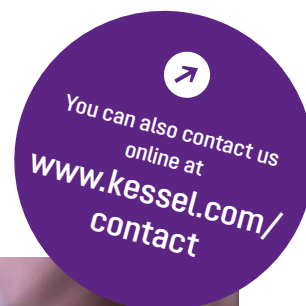


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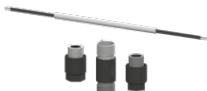
* Rebranding launched in 2024. See product pages for legacy brand names.

** Rebranding launched in 2022. See product pages for legacy brand names.

1. Backwater protection

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Accessories for electrical installation

	Suitable for	<i>Pumpfix F</i>	<i>Pumpfix F Standard</i>	<i>Staufix FKA</i>	<i>Staufix FKA Standard</i>	<i>Ecolift</i>
Adapter set optical probe Art. no. 80 892		X	X	X	X	X
Connector set for control unit <i>FKA, Pumpfix, Ecolift</i> Art. no. 80 893		X	X	X	X	X
Cable accessories, connection set for cable 0.75 mm ² Art. no. 80 894		X	X	X	X	X
Cable accessories, connection set for cable 1.5 mm ² Art. no. 80 895		X	X	-	-	X
Cable accessories, extension for pump Art. no. 80 891		X	X	-	-	X
Cable accessories, extension for motor Art. no. 80 890		X	X	X	X	X
Cable accessories, extension for probe Art. no. 80 889		X	X	X	X	X

Assignment PA test numbers

PA test number	KESSEL art. no.	Product description	Page
PA-I 2387	27 100	Basement drain with backwater valve	-
PA-I 2421	70 100 – 70 200	<i>Staufix</i> clean out made of PVC Ø 110 – 200 "Orange"	39
PA-I 2694		<i>Staufix</i> drain body, Ø 110 – 200 "Orange"	-
PA-I 2782	73 100 – 73 200	<i>Staufix</i> backwater valve Ø 110 – 200	33
	77 100 – 77 200	<i>Staufix</i> backwater valve Ø 110 – 200, with backwater warning device	
	78 100 – 78 200	<i>Staufix</i> backwater valve Ø 110 – 200, with control & warning device	
PA-I 3089	27 300	<i>Drehfix</i> Ø 110, exposed, with twin backwater valve	113
	27 500	<i>Drehfix</i> Ø 110, exposed, with triple backwater valve	
	28 900	<i>Drehfix</i> Ø 110, floor slab, with twin backwater valve	
	28 950	<i>Drehfix</i> Ø 110, floor slab, with triple backwater valve	
PA-I 3090	28 400	<i>Pumpfix</i> Ø 110, floor slab, with single backwater valve	46
	28 450	<i>Pumpfix</i> Ø 110, floor slab, with twin backwater valve	
PA-I 3090	28 451	Basement drain <i>Pumpfix</i> Ø 110, with twin backwater valve	44
PA-I 3662	73 1(...).10	<i>Staufix SWA</i> , Ø 110 – 160, exposed "black"	23
	78 1(...).10	<i>Staufix SWA</i> , Ø 110 – 160, exposed "black", with control and warning device	
	73 1(...).10S (X)	<i>Staufix SWA</i> , Ø 110 – 160, floor slab, "black"	22
	78 1(...).10S (X)	<i>Staufix SWA</i> , Ø 110 – 160, floor slab, "black", with control and warning device	
PA-I 3664	83 1(..)	<i>Staufix FKA</i> , Ø 110 – 160, exposed "black"	19
	83 1(..)S (X)	<i>Staufix FKA</i> , Ø 110 – 160, floor slab "black", with control and warning device	18
PA-I 4051	27 611, 27 621	<i>The Universal</i> with backwater valve Ø 110	114

Identifying features

for Pumpfix F, Staufix FKA, Staufix SWA and Staufix

Old product range

- Locking of drain body and cover using brass nut



- One cover



- Black flaps



- Non-removable sockets



Cover plates up to 01/2020

- Square seal for the cover plate (System 400 upper section)

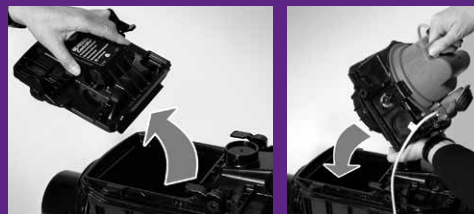


New product range

- Locking of drain body and cover with quick-release closures



- Two covers



- Red/violet flaps



- Removable sockets and spigot



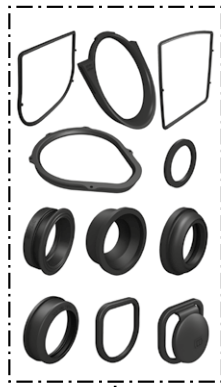
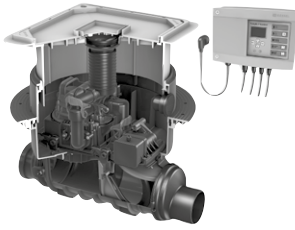
Cover plates beginning 02/2020

- Round seal for the cover plate (System 400 upper section)

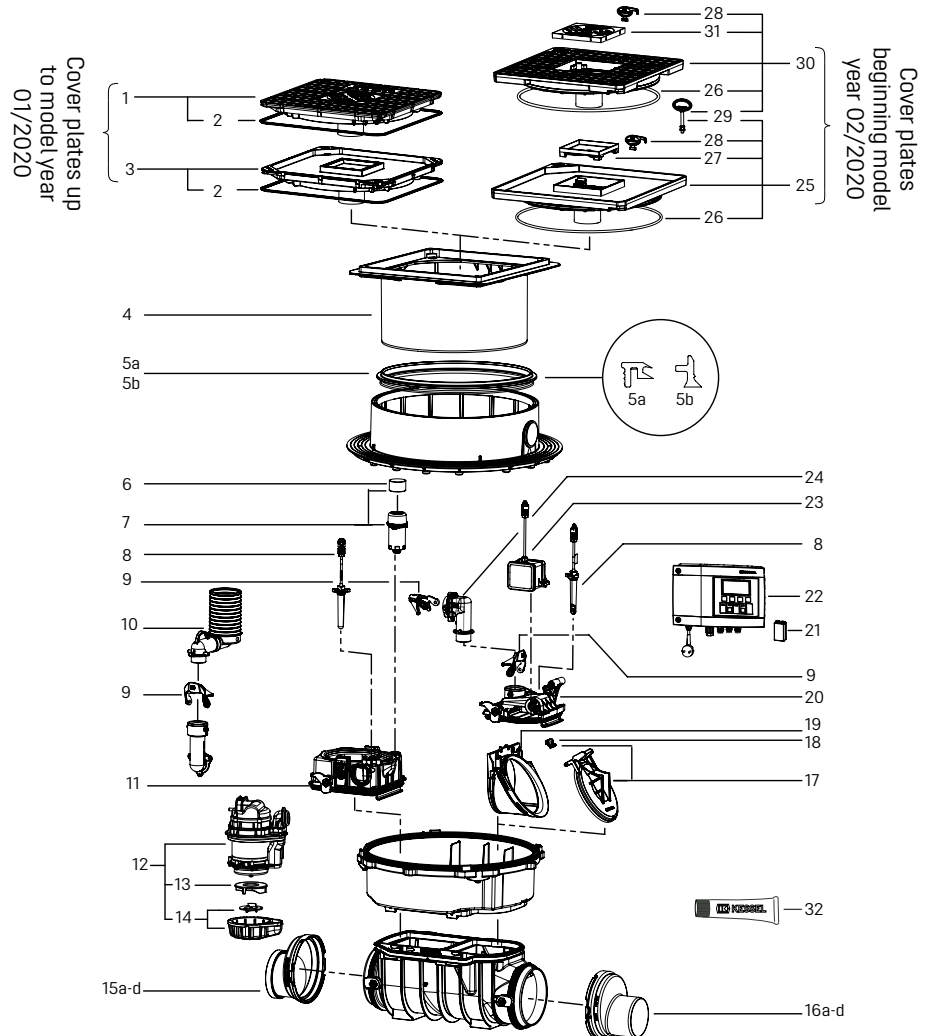


Backwater pumping station *Pumpfix F*

Installation in the floor slab, beginning model year 01/2011



33



Cover plates up to model year 01/2020

Cover plates beginning model year 02/2020

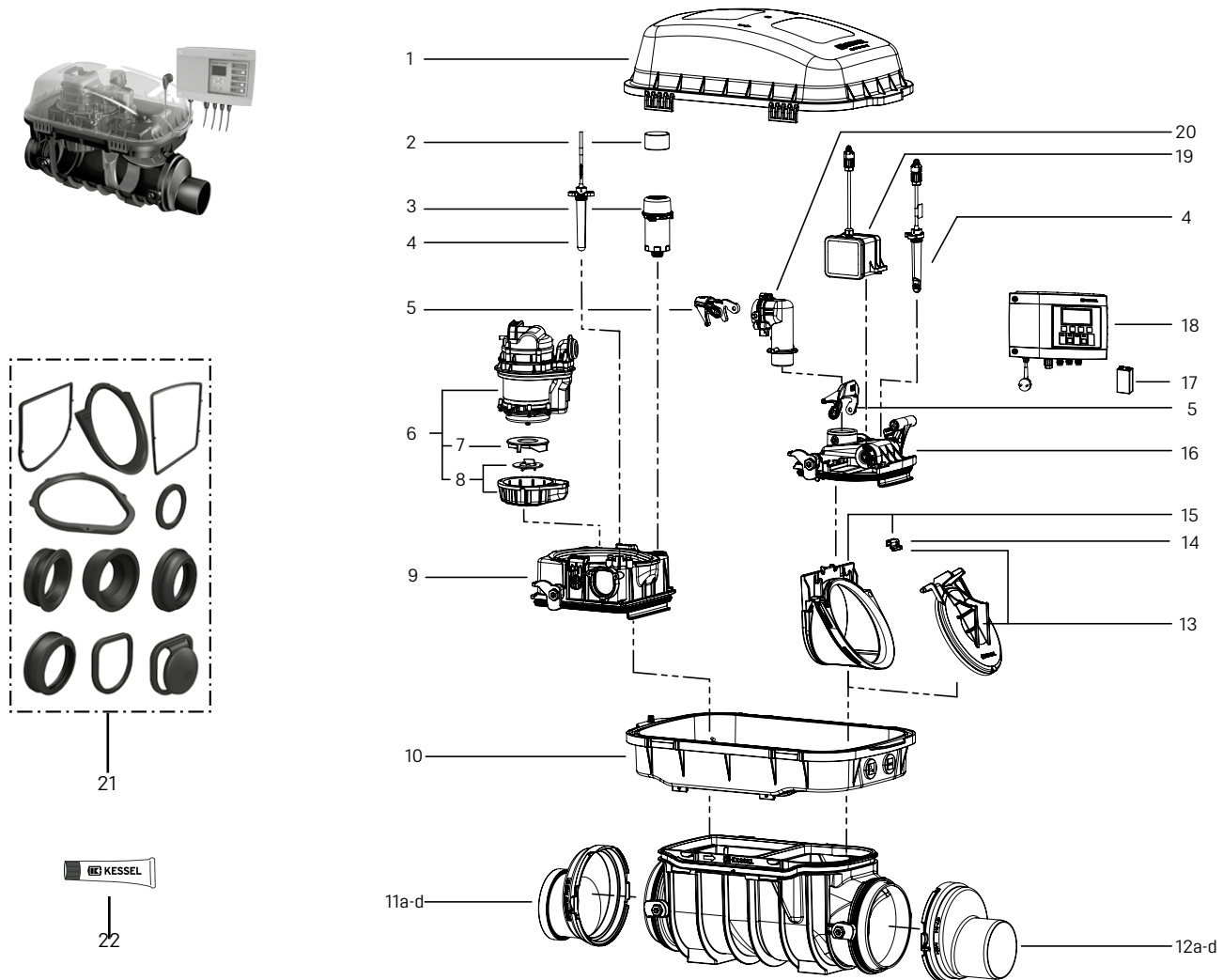
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, black, with drain and seal, up to model year 01/2020	83 046	16	Spigot incl. seal	
2	Seal for cover plate 384 × 384 mm	680 025	16a	Ø 110	83 081
3	Cover plate, tileable, with drain, <i>Multistap</i> and seal, up to 01/2020	830 045	16b	Ø 125	83 082
4	Upper section, System 400 lockable, silver grey, beginning model year 02/2020 *	830 065	16c	Ø 160	83 083
5	Seal for upper section		16d	Ø 200	83 084
5a	up to model year 06/2014	680 026	17	Motor-driven backwater flap, with flap holder	80 038
5b	beginning model year 07/2014	680 150	18	Flap holder	680 101
6	Activated carbon filter (5 ea.)	28 061	19	Slide-in flap housing for motor-driven flap with flap holder	80 039
7	Ventilation with activated carbon filter	28 060	20	Lockable cover, Comfort outlet side	28 056
8	Spare parts set, optical probe, 5 m cable with 3 adapters	80 888	21	Battery, 2x 9V6LR61	*
9	One-handed closure for backflow preventer	680 018	22	Control unit, Comfort 230 V	28 071
10	Connector drain Ø 75, with seal	680 215	23	Motor, ready to plug in, 5 m cable	80 076
11	Lockable cover, Comfort inlet side, with drain connection	28 054	24	Pressure pipe connection, <i>Pumpfix F</i>	
12	Replacement pump KTP/SPZ 1000 230 V, with 5 m cable	28 351	25	Cover plate, tileable with drain body, <i>Multistap</i> , 366 × 366 mm, beginning 02/2020	830 045
13	Impeller KTP 1000, without intake cover	680 035	26	Seal for cover plate, System 330 mm	686 114
14	Replacement macerator set	28 075	27	Drain cover, tileable, <i>Lock & Lift</i> , ABS	680 224
15	Socket incl. seal		28	Release key for <i>Lock & Lift</i> insert gratings	680 702
15a	Ø 110	83 085	29	Release key for <i>Lock & Lift</i> cover plates	67 007
15b	Ø 125	83 086	30	Cover plate, black, with drain body, <i>Multistap</i> , 366 × 366 mm, beginning 02/2020	830 046
15c	Ø 160	83 087	31	Slotted insert grating, 138 × 138 mm, polymer	60 101S
15d	Ø 200	83 088	32	High-performance grease for backwater valves, 12 g	681 001
			33	Seal set for <i>Pumpfix F</i> and <i>Ecolift</i>	70 319

* Upper sections (art.no. 83 061) up to 01/2020 discontinued, please order upper section (art.nr 830 065) and cover (art.nr 830 045 or art.nr. 830 046).

** Source locally

Backwater pumping station *Pumpfix F*

Installation in an exposed wastewater pipe, beginning model year 01/2011

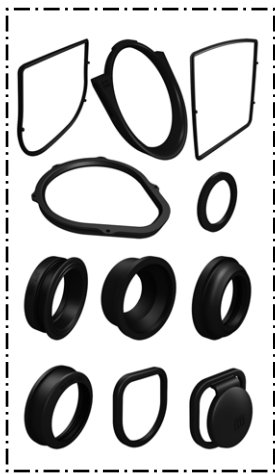


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Protective cover, transparent	83 031	12	Spigot incl. seal	
2	Activated carbon filter (5 ea.)	28 061	12a	Ø 110	83 081
3	Ventilation with activated carbon filter	28 060	12b	Ø 125	83 082
4	Spare parts set, optical probe, 5 m cable, with 3 adapters	80 888	12c	Ø 160	83 083
5	One-handed closure for backflow preventer	680 018	12d	Ø 200	83 084
6	Replacement pump KTP/SPZ 1000, 230 V, with 5 m cable	28 351	13	Motor-driven backwater flap, with flap holder	80 038
7	Impeller KTP/SPZ 1000, without intake cover	680 035	14	Flap holder	680 101
8	Replacement macerator set	28 075	15	Slide-in flap housing for motor-driven flap with flap holder	80 039
9	Lockable cover, inlet side	28 052	16	Lockable cover, Comfort outlet side	28 056
10	Upper section for attaching a protective cover	83 032	17	Battery, 2x 9V6LR61	*
11	Socket incl. seal		18	Control unit, Comfort 230 V	28 071
11a	Ø 110	83 085	19	Motor, ready to plug in, 5 m cable	80 076
11b	Ø 125	83 086	20	Pressure pipe connection, <i>Pumpfix F</i>	680 104
11c	Ø 160	83 087	21	Seal set for <i>Pumpfix F</i> and <i>Ecolift</i>	70 319
11d	Ø 200	83 088	22	High-performance grease for backwater valves, 12 g	681 001

* Source locally

Backwater pumping station *Pumpfix F Standard*

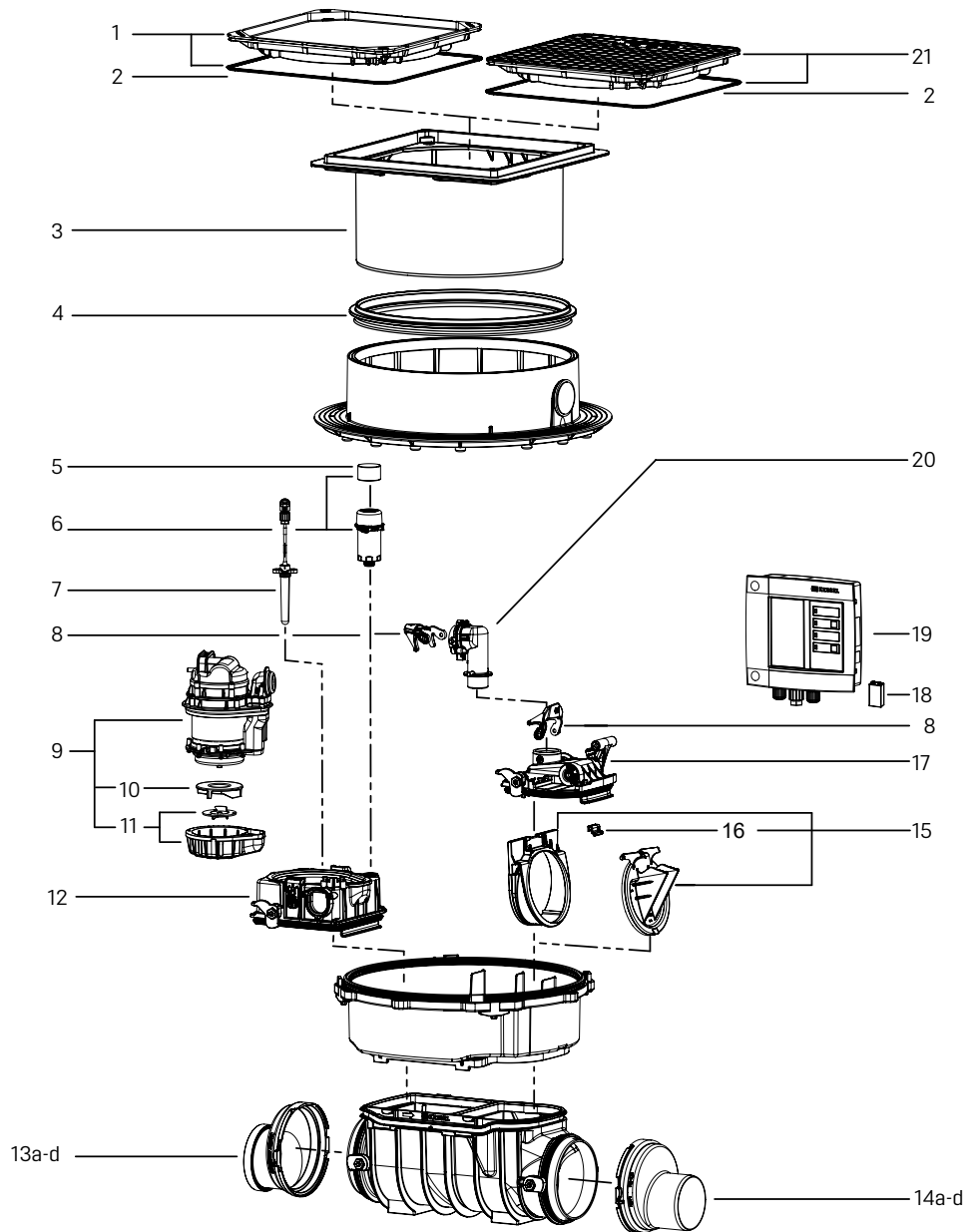
Installation in the floor slab, up to model year 01/2011



22



23

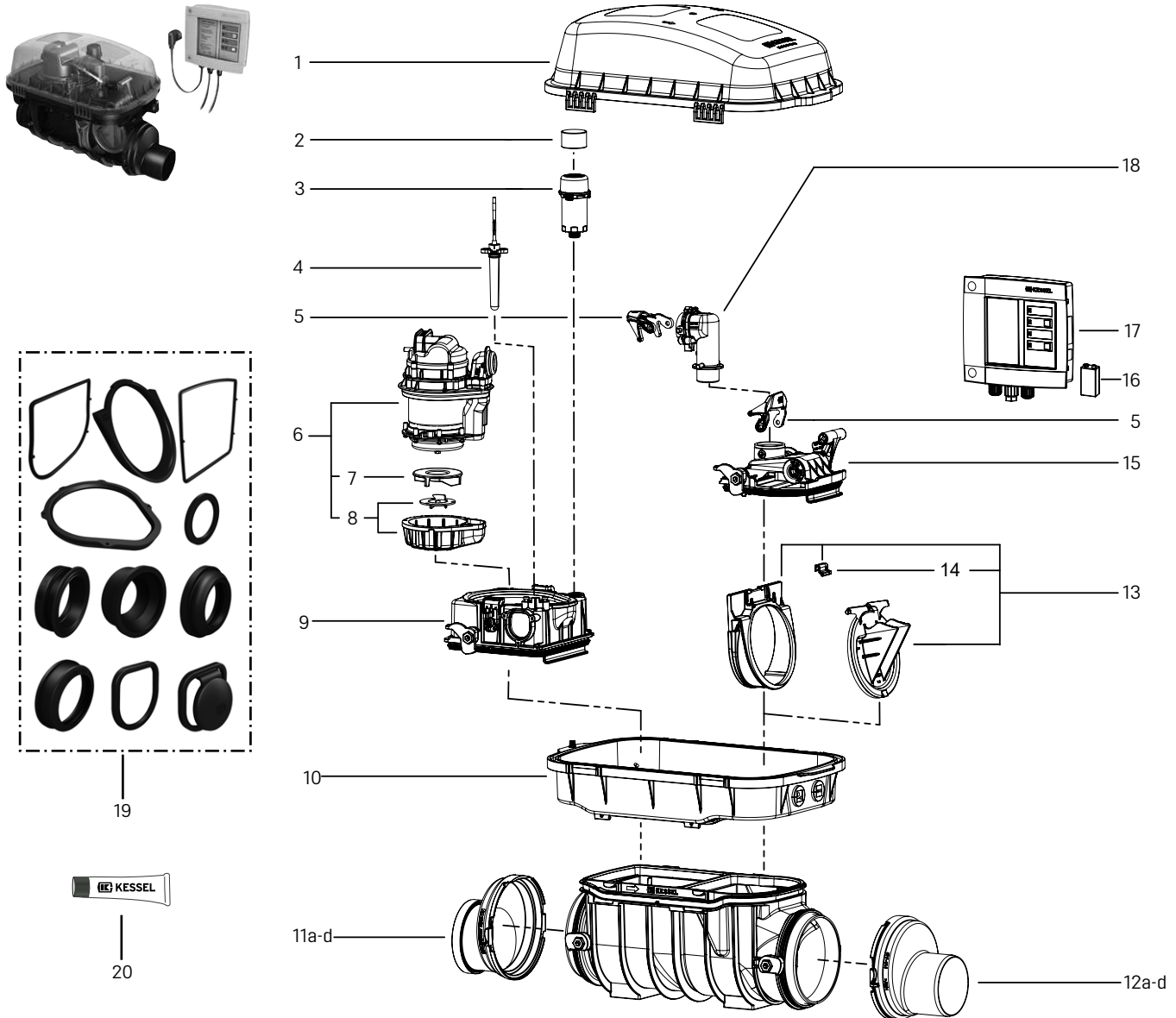


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm with seal	83 052	13d	Ø 200	83 088
2	Seal for cover plate 384 × 384 mm	680 025	14	Spigot incl. seal	
3	Upper section, height-adjustable up to 180 mm	83 061	14a	Ø 110	83 081
4	Seal for upper section	680 026	14b	Ø 125	83 082
5	Activated carbon filter (5 ea.)	28 061	14c	Ø 160	83 083
6	Ventilation incl. activated carbon filter	28 060	14d	Ø 200	83 084
7	Spare parts set, optical probe, 5 m cable, with 3 adapters	80 888	15	Slide-in flap housing with mechanical flap and flap holder	80 041
8	One-handed closure for backflow preventer	680 018	16	Flap holder	680 101
9	Replacement pump KTP/SPZ 1000, 230 V, with 5 m cable	28 351	17	Lockable cover, <i>Pumpfix F</i> , outlet side	28 053
10	Impeller KTP/SPZ 1000, without intake cover	680 035	18	Battery, 2x 9V6LR61	*
11	Replacement macerator set	28 075	19	Control unit, Standard 230 V, <i>Pumpfix F Standard</i>	on request
12	Lockable cover, inlet side	28 052	20	Pressure pipe connection, <i>Pumpfix F</i>	680 104
13	Socket incl. seal		21	Cover plate, black, surface water resistant, 384 × 384 mm, with seal	83 050
13a	Ø 110	83 085	22	Seal set for <i>Pumpfix F</i> and <i>Ecolift</i>	70 319
13b	Ø 125	83 086	23	High-performance grease for backwater valves, 12 g	681 001
13c	Ø 160	83 087			

* Source locally

Backwater pumping station *Pumpfix F Standard*

Installation in an exposed wastewater pipe, up to model year 01/2011



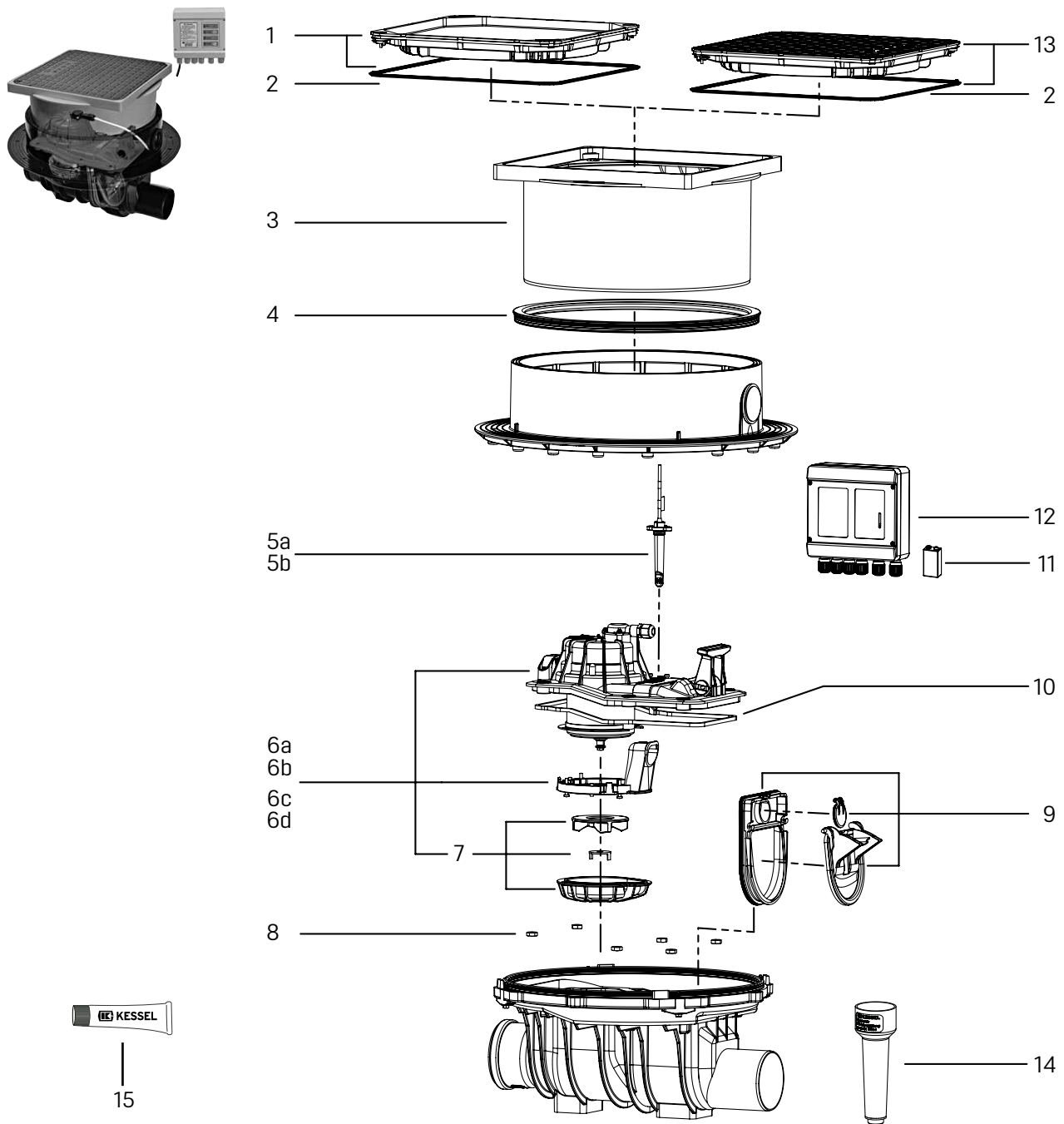
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Protective cover, transparent	83 031	11d	Ø 200	83 088
2	Activated carbon filter (5 ea.)	28 061	12	Spigot incl. seal	
3	Ventilation incl. activated carbon filter	28 060	12a	Ø 110	83 081
4	Spare parts set, optical probe, 5 m cable with 3 adapters	80 888	12b	Ø 125	83 082
5	One-handed closure for backflow preventer	680 018	12c	Ø 160	83 083
6	Replacement pump KTP/SPZ 1000, 230 V, with 5 m cable	28 351	12d	Ø 200	83 084
7	Impeller KTP/SPZ 1000, without intake cover	680 035	13	Slide-in flap housing with mechanical flap and flap holder	80 041
8	Replacement macerator set	28 075	14	Flap holder	680 101
9	Lockable cover, inlet side	28 052	15	Lockable cover, <i>Pumpfix F</i> , outlet side	28 053
10	Upper section for attaching a protective cover	83 032	16	Battery, 2x 9V6LR61	*
11	Socket incl. seal		17	Control unit, Standard 230 V, <i>Pumpfix F Standard</i> *	**
11a	Ø 110	83 085	18	Pressure pipe connection, <i>Pumpfix F</i>	680 104
11b	Ø 125	83 086	19	Seal set for <i>Pumpfix F</i> and <i>Ecolift</i>	70 319
11c	Ø 160	83 087	20	High-performance grease for backwater valves, 12 g	681 001

* Source locally

** No longer available. Discontinued, replaced by *Pumpfix F* upgrade kit up to 01/2011, art.nr. 681 112.

Backwater pumping station *Pumpfix F*

Installation in the floor slab, up to model year 12/2010

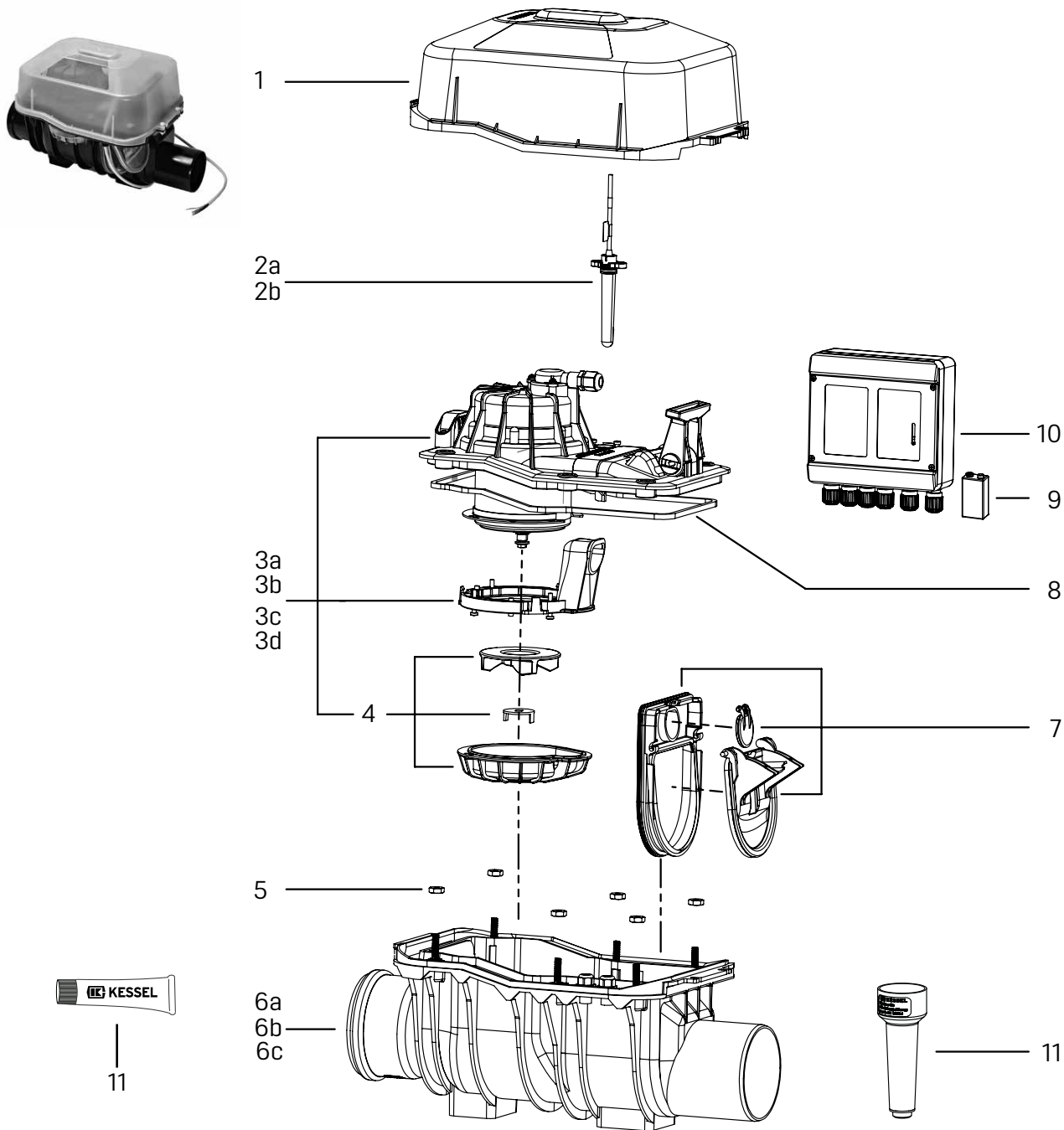


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm with seal	83 052	6d	incl. motor, impeller, macerator, pump housing, 15 m cable, Ø 160	680 042
2	Seal for cover plate 384 × 384 mm	680 025	7	Pump housing lower section with macerator and impeller	680 043
3	Upper section, height-adjustable up to 180 mm	83 061	8	Hexagon nut set, M8, A/F17 (6 ea.)	680 132
4	Seal for upper section	680 150	9	Slide-in flap housing with backwater and non-return flap (3-piece)	680 038
5	Spare parts set, optical probe with 3 adapters		10	Seal for screwable lockable cover	70 202
5a	for Ø 110/125/160 with 5 m cable	80 888	11	Battery, 2x 9V6LR61	*
5b	for Ø 110/125/160 with 15 m cable	80 988	12	Control unit <i>Pumpfix F</i> 230 V, up to model year 12/2010	28 070
6	Replacement pump, <i>Pumpfix F</i>		13	Cover plate, black, surface water resistant, 384 × 384 mm, with seal	83 050
6a	incl. motor, impeller, macerator, pump housing, 5 m cable, Ø 110/125	680 040	14	Test funnel with seal	70 214
6b	incl. motor, impeller, macerator, pump housing, 5 m cable, Ø 160	680 039	15	High-performance grease for backwater valves, 12 g	681 001
6c	incl. motor, impeller, macerator, pump housing, 15 m cable, Ø 110/125	680 041			

* Source locally

Backwater pumping station *Pumpfix F*

Installation in an exposed wastewater pipe, up to model year 12/2010

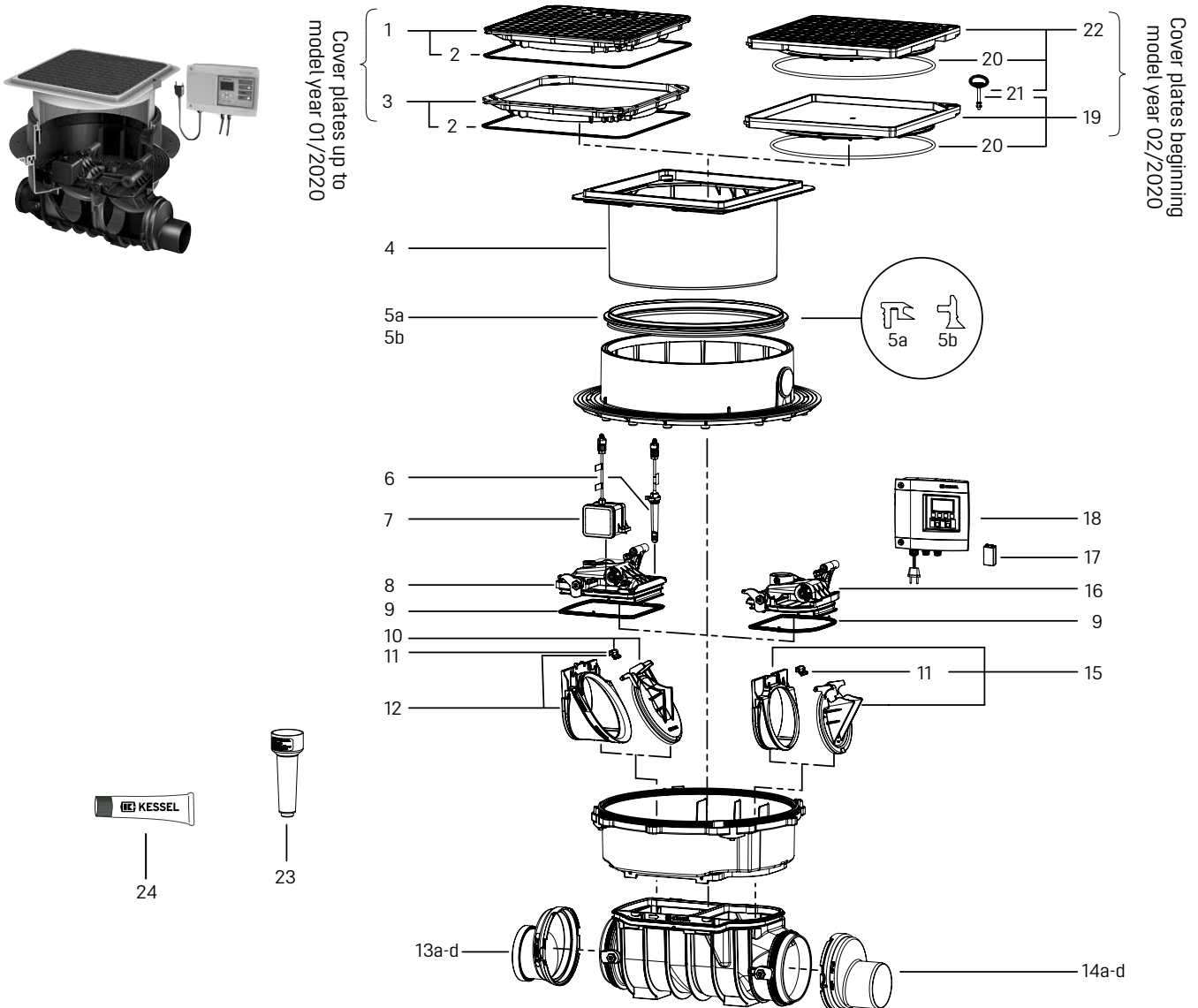


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Protective cover, transparent, screwed	83 030	4	Pump housing lower section with macerator and impeller	680 043
2	Spare parts set, optical probe with 3 adapters		5	Hexagon nut set, M8, A/F17 (6 each)	680 132
2a	for Ø 110/125/160 with 5 m cable	80 888	6	Slide-in flap housing with backwater and non-return flap (3-piece)	680 038
2b	for Ø 110/125/160 with 15 m cable	80 988	7	Seal for screwable lockable cover	70 202
3	Replacement pump, <i>Pumpfix F</i>		8	Battery, 2x 9V6LR61	*
3a	incl. motor, impeller, macerator, pump housing, 5 m cable, Ø 110/125	680 040	9	Control unit <i>Pumpfix F</i> 230 V, up to model year 12/2010	28 070
3b	incl. motor, impeller, macerator, pump housing, 5 m cable, Ø 160	680 039	10	Test funnel with seal	70 214
3c	incl. motor, impeller, macerator, pump housing, 15 m cable, Ø 110/125	680 041	11	High-performance grease for backwater valves, 12 g	681 001
3d	incl. motor, impeller, macerator, pump housing, 15 m cable, Ø 160	680 042			

* Source locally

Backwater valve *Staufix FKA*

Installation in the floor slab, beginning model year 01/2011



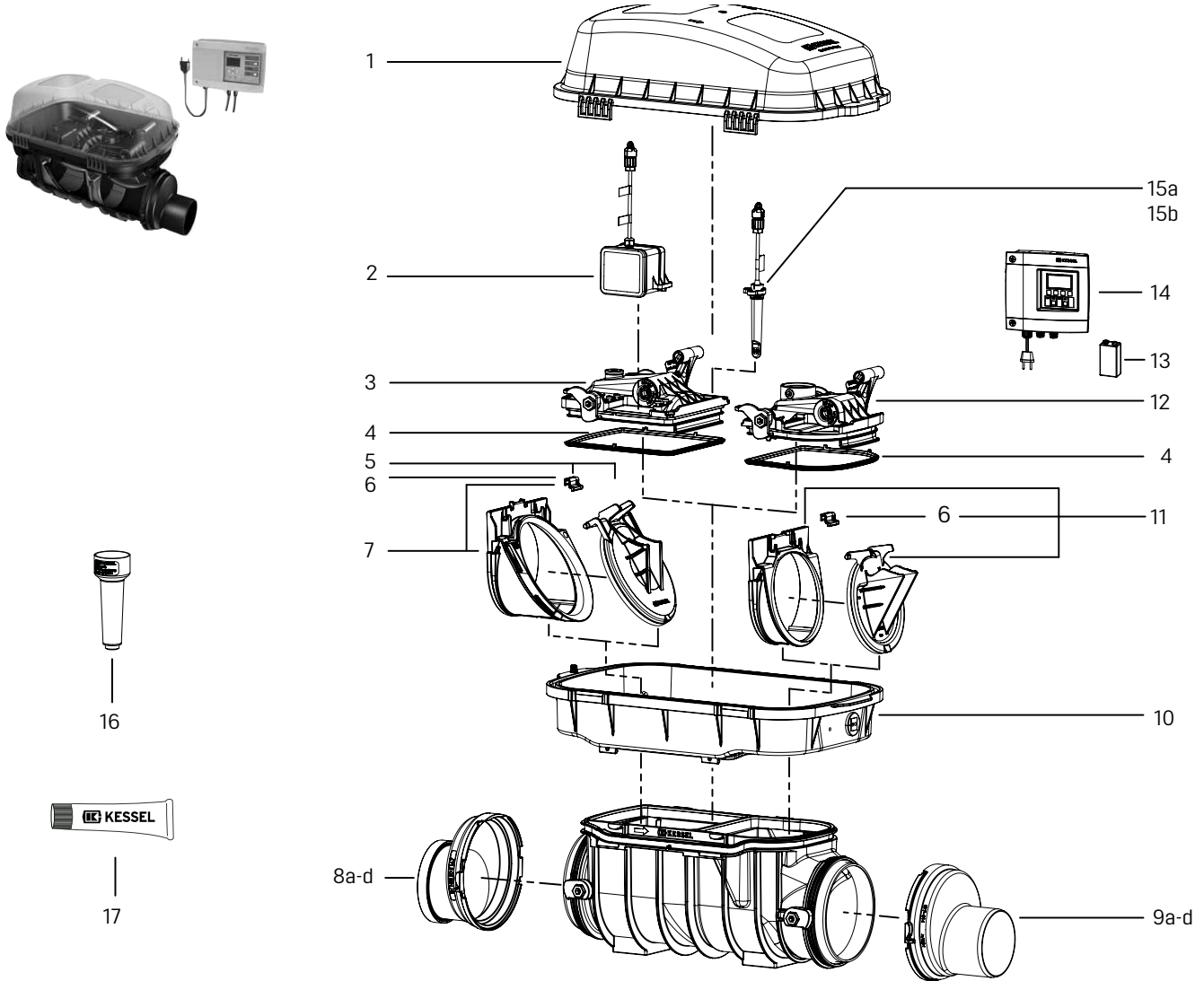
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm, with seal, up to model year 01/2020	83 052	13c	Ø 160	83 087
2	Seal for cover plate 384 × 384 mm	680 025	13d	Ø 200	83 088
3	Cover plate, black, surface water resistant, 384 × 384 mm, with seal, up to model year 01/2020	83 050	14	Spigot incl. seal	
4	Upper section, System 400 lockable, silver grey, beginning model year 02/2020 *	830 065	14a	Ø 110	83 081
5a	Seal for upper section up to model year 06/2014	680 026	14b	Ø 125	83 082
5b	Seal for upper section beginning model year 07/2014	680 150	14c	Ø 160	83 083
6	Spare parts set, optical probe, 5 m cable, with 3 adapters	80 888	14d	Ø 200	83 084
7	Motor, ready to plug in, 5 m cable	80 076	15	Slide-in flap housing with mechanical flap and flap holder	80 041
8	<i>Staufix FKA</i> lockable cover, inlet side	80 016	16	Lockable cover, <i>Staufix FKA</i> , outlet side	80 017
9	Seal set for two-piece lockable cover	70 318	17	Battery, 2x 9V6LR61	**
10	Motor-driven backwater flap, with flap holder	80 038	18	Control unit Comfort 230 V, <i>Staufix FKA</i>	80 071
11	Flap holder	680 101	19	Cover plate, tileable, surface water resistant, with seal, beginning model year 02/2020	830 052
12	Slide-in flap housing for motor-driven flap with flap holder	80 039	20	Seal for cover plate, System 330 mm	686 114
13	Socket incl. seal		21	Release key for <i>Lock & Lift</i> cover plates	67 007
13a	Ø 110	83 085	22	Cover plate, black, surface water resistant, with seal, beginning model year 02/2020	830 050
13b	Ø 125	83 086	23	Test funnel with seal	70 214
			24	High-performance grease for backwater valves, 12 g	681 001

* Upper sections (art.no. 83 061) up to 01/2020 discontinued, please order upper section (art.nr 830 065) and cover (art.nr 830 045 or art.nr. 830 046).

** Source locally

Automatic backwater valve *Staufix FKA*

Installation in an exposed wastewater pipe, beginning model year 01/2011

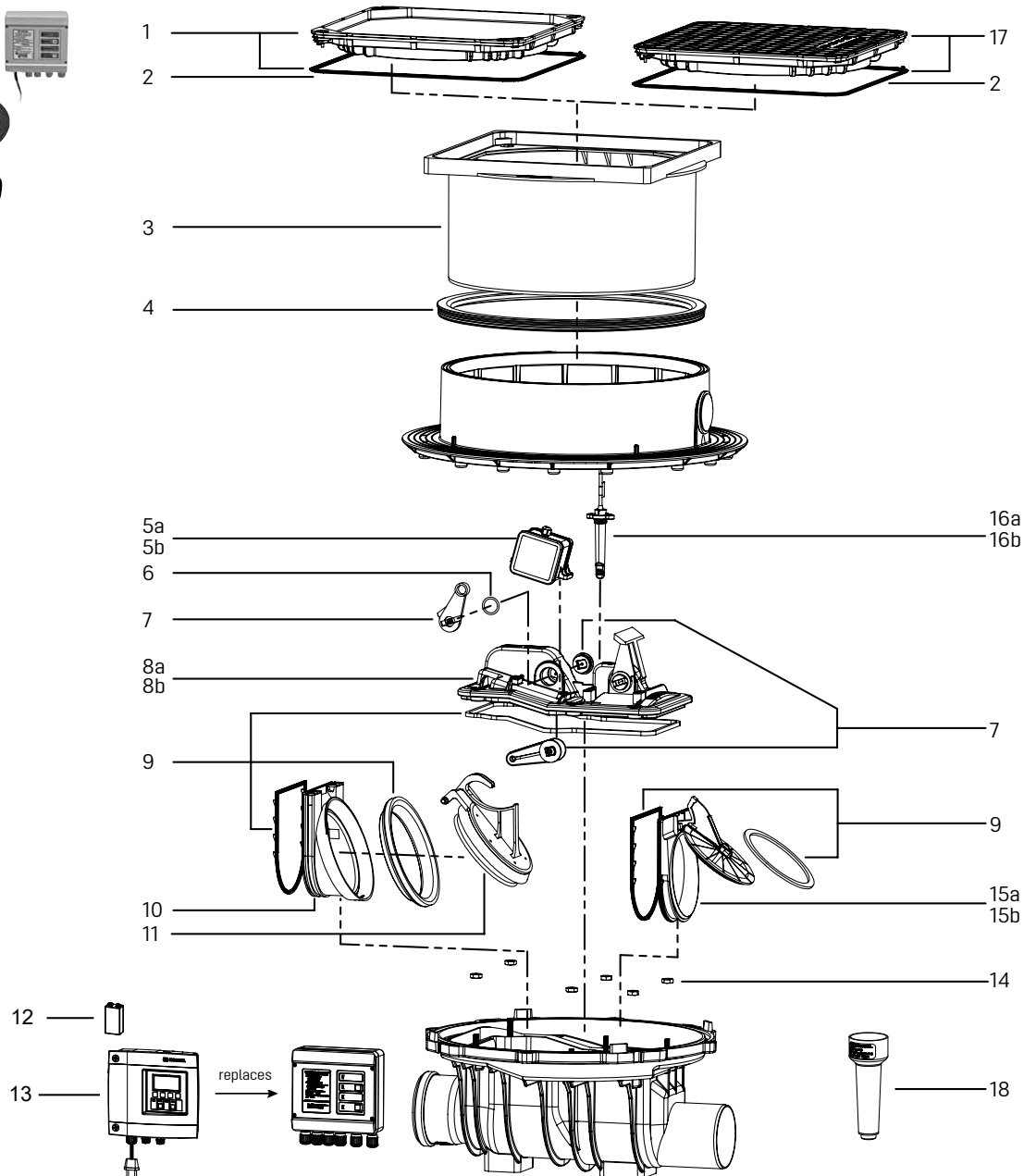


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Protective cover, transparent	83 031	9b	Ø 125	83 082
2	Motor, ready to plug in, 5 m cable	80 076	9c	Ø 160	83 083
3	Lockable cover <i>Staufix FKA</i> , inlet side	80 016	9d	Ø 200	83 084
4	Seal set for two-piece lockable cover	70 318	10	Upper section for attaching a protective cover	83 032
5	Motor-driven backwater flap, with flap holder	80 038	11	Slide-in flap housing with mechanical flap and flap holder	80 041
6	Flap holder	680 101	12	Lockable cover, <i>Staufix FKA</i> , outlet side	80 017
7	Slide-in flap housing for motor-driven flap with flap holder	80 039	13	Battery, 2x 9V6LR61	*
8	Socket incl. seal		14	Control unit Comfort 230 V, <i>Staufix FKA</i>	80 071
8a	Ø 110	83 085	15	Spare parts set, optical probe with 3 adapters	
8b	Ø 125	83 086	15a	with 5 m cable	80 888
8c	Ø 160	83 087	15b	with 15 m cable	80 988
8d	Ø 200	83 088	16	Test funnel with seal	70 214
9	Spigot incl. seal		17	High-performance grease for backwater valves, 12 g	681 001
9a	Ø 110	83 081			

* Source locally

Automatic backwater valve *Staufix FKA*

Installation in the floor slab, up to model year 12/2010



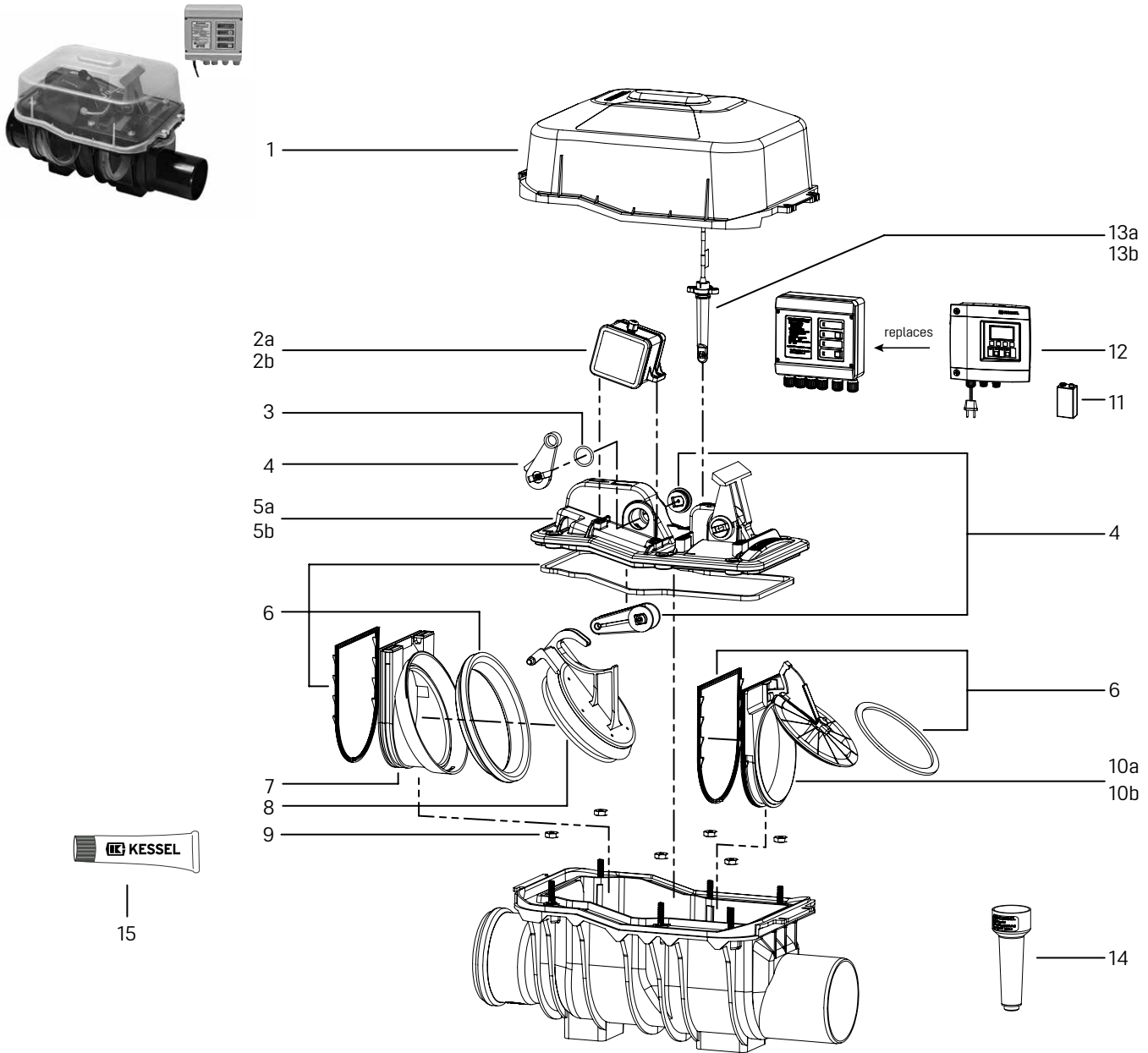
Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm, with seal	83 052
2	Seal for cover plate 384 × 384 mm	680 025
3	Upper section, height-adjustable up to 180 mm	83 061
4	Seal for upper section	680 026
5	Motor, for direct connection on the mainboard	
5a	with 5 m cable	80 075
5b	with 15 m cable	680 009
6	Seal, O-ring for lever mechanism	680 015
7	Lever mechanism set for flap locking	680 016
8	Lockable cover <i>Staufix FKA</i> , one-piece	
8a	for 2-stage flap with seal up to model year 12/1998	80 024
8b	for 3-stage flap with seal beginning model year 01/1999	80 026
9	Seal set for lockable cover FKA, one-piece	70 317
10	Slide-in flap housing for motor-driven flap	80 032

Item	Designation	Art. no.
11	Motor-driven backwater flap	80 031
12	Battery, 2x 9V6LR61	*
13	Comfort control unit 230 V, <i>Staufix FKA</i> also order: connector set for control unit	80 071 80 893
14	Hexagon nut set, M8, A/F17 (6 each)	680 132
15	Slide-in flap housing	
15a	with mechanical 2-stage flap up to model year 12/1998	80 035
15b	with mechanical 3-stage flap beginning model year 01/1999	80 036
16	Spare parts set, optical probe with 3 adapters	
16a	for Ø 110/125/160 with 5 m cable	80 888
16b	for Ø 110/125/160 with 15 m cable	80 988
17	Cover plate, black, surface water resistant, 384 × 384 mm, with seal	83 050
18	Test funnel with seal	70 214
19	High-performance grease for backwater valves, 12 g	681 001

* Source locally

Automatic backwater valve *Staufix FKA*

Installation in an exposed wastewater pipe, up to model year 12/2010

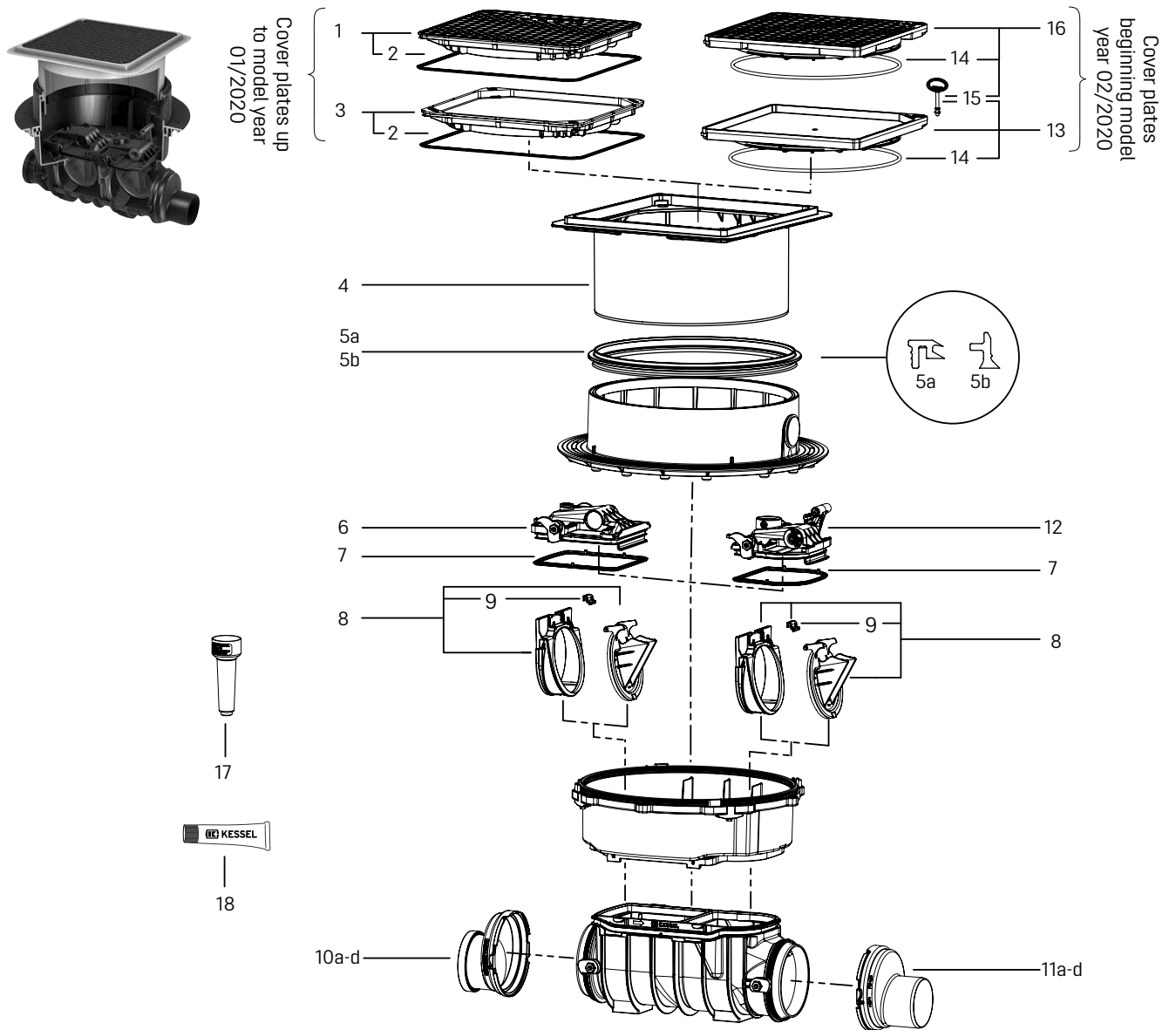


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Protective cover, transparent, screwed	83 030	10	Slide-in flap housing	
2	Motor, for direct connection on the mainboard		10a	with mechanical 2-stage flap up to model year 12/1998	80 035
2a	with 5 m cable	80 075	10b	with mechanical 3-stage flap beginning model year 01/1999	80 036
2b	with 15 m cable	680 009	11	Battery, 2x 9V6LR61	*
3	Seal, O-ring for lever mechanism	680 015	12	Control unit, Comfort 230 V, <i>Staufix FKA</i> also order: connector set for control unit	80 071 80 893
4	Lever mechanism set for flap locking	680 016	13	Spare parts set, optical probe with 3 adapters	
5	Lockable cover <i>Staufix FKA</i> , one-piece		13a	for Ø 110/125/160 with 5 m cable	80 888
5a	for 2-stage flap with seal up to model year 12/1998	80 024	13b	for Ø 110/125/160 with 15 m cable	80 988
5b	for 3-stage flap with seal beginning model year 01/1999	80 026	14	Test funnel with seal	70 214
6	Seal set for lockable cover FKA, one-piece	70 317	15	High-performance grease for backwater valves, 12 g	681 001
7	Slide-in flap housing for motor-driven flap	80 032			
8	Motor-driven backwater flap	80 031			
9	Hexagon nut set, M8, A/F17 (6 each)	680 132			

* Source locally

Backwater valve *Staufix SWA*

Installation in the floor slab, beginning model year 01/2011

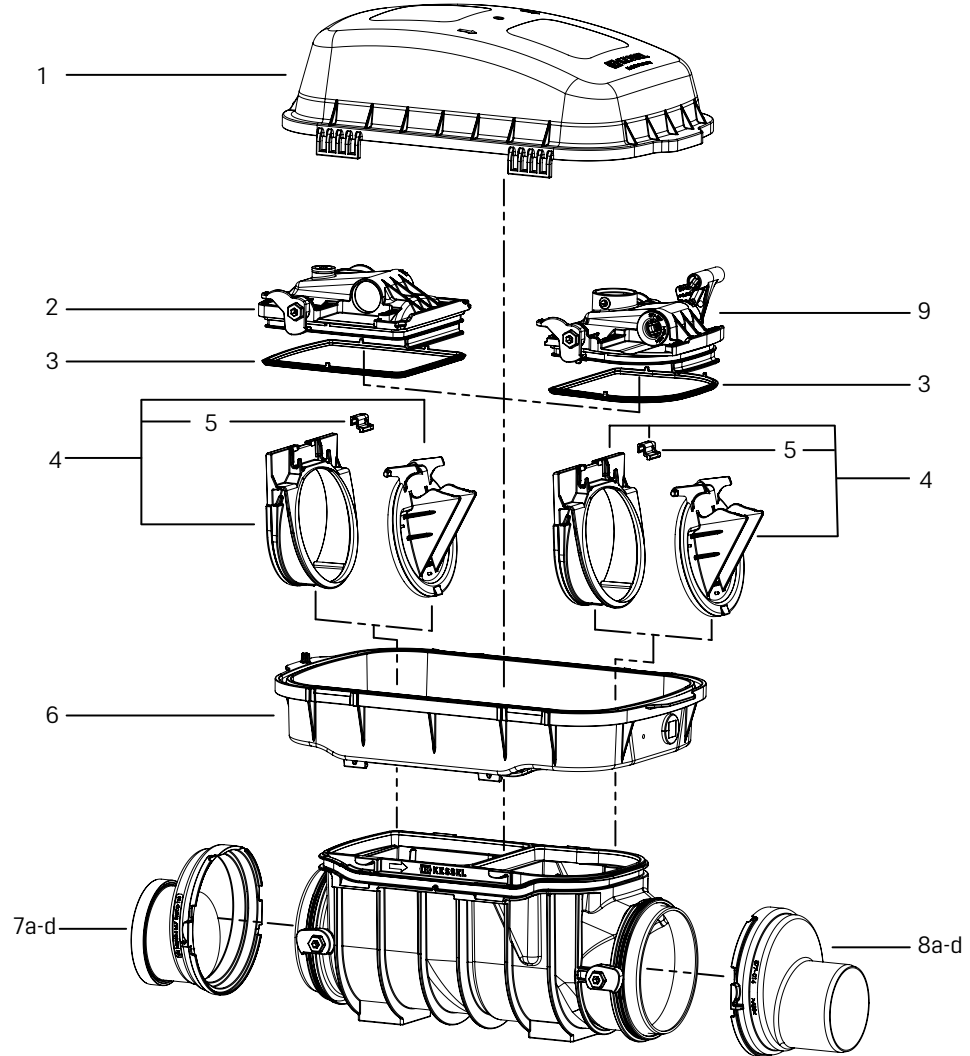


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm, with seal, up to model year 01/2020	83 052	10c	Ø 160	83 087
2	Seal for cover plate 384 × 384 mm	680 025	10d	Ø 200	83 088
3	Cover plate, black, surface water resistant, 384 × 384 mm, with seal, up to model year 01/2020	83 050	11	Spigot incl. seal	
4	Upper section, System 400 lockable, silver grey, beginning model year 02/2020 *	830 065	11a	Ø 110	83 081
5	Seal for upper section		11b	Ø 125	83 082
5a	up to model year 06/2014	680 026	11c	Ø 160	83 083
5b	beginning model year 07/2014	680 150	11d	Ø 200	83 084
6	Lockable cover <i>Staufix SWA</i> , inlet side	80 013	12	Lockable cover <i>Staufix SWA</i> , outlet side	80 014
7	Seal set for two-piece lockable cover	70 318	13	Cover plate, tileable, surface water resistant, with seal, beginning model year 02/2020	830 052
8	Slide-in flap housing with mechanical flap and flap holder	80 041	14	Seal for cover plate, System 330 mm	686 114
9	Flap holder	680 101	15	Release key for <i>Lock & Lift</i> cover plates	67 007
10	Socket incl. seal		16	Cover plate, black, surface water resistant, with seal, beginning model year 02/2020	830 050
10a	Ø 110	83 085	17	Test funnel with seal	70 214
10b	Ø 125	83 086	18	High-performance grease for backwater valves, 12 g	681 001

* Upper sections (art.no. 83 061) up to 01/2020 discontinued, please order upper section (art.nr 830 065) and cover (art.nr 830 045 or art.nr. 830 046).

Backwater valve *Staufix SWA*

Installation in an exposed wastewater pipe, beginning model year 01/2011

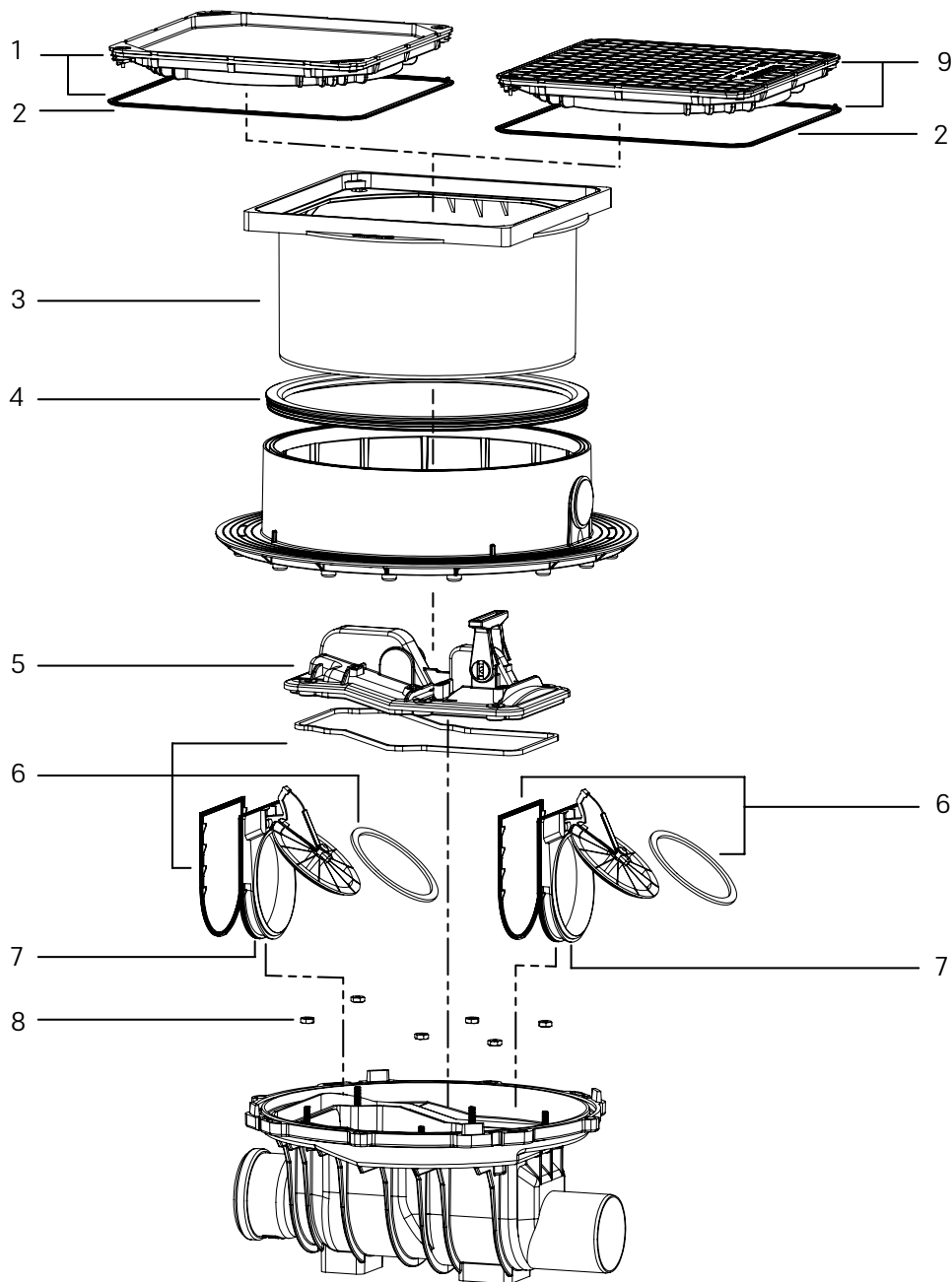


Item	Designation	Art. no.
1	Protective cover, transparent	83 031
2	Lockable cover <i>Staufix SWA</i> , inlet side	80 013
3	Seal set for two-piece lockable cover	70 318
4	Slide-in flap housing with mechanical flap and flap holder	80 041
5	Flap holder	680 101
6	Upper section for attaching a protective cover	83 032
7	Socket incl. seal	
7a	Ø 110	83 085
7b	Ø 125	83 086
7c	Ø 160	83 087

Item	Designation	Art. no.
7d	Ø 200	83 088
8	Spigot incl. seal	
8a	Ø 110	83 081
8b	Ø 125	83 082
8c	Ø 160	83 083
8d	Ø 200	83 084
9	Lockable cover <i>Staufix SWA</i> , outlet side	80 014
10	Test funnel with seal	70 214
11	High-performance grease for backwater valves, 12 g	681 001

Backwater valve *Staufix SWA*

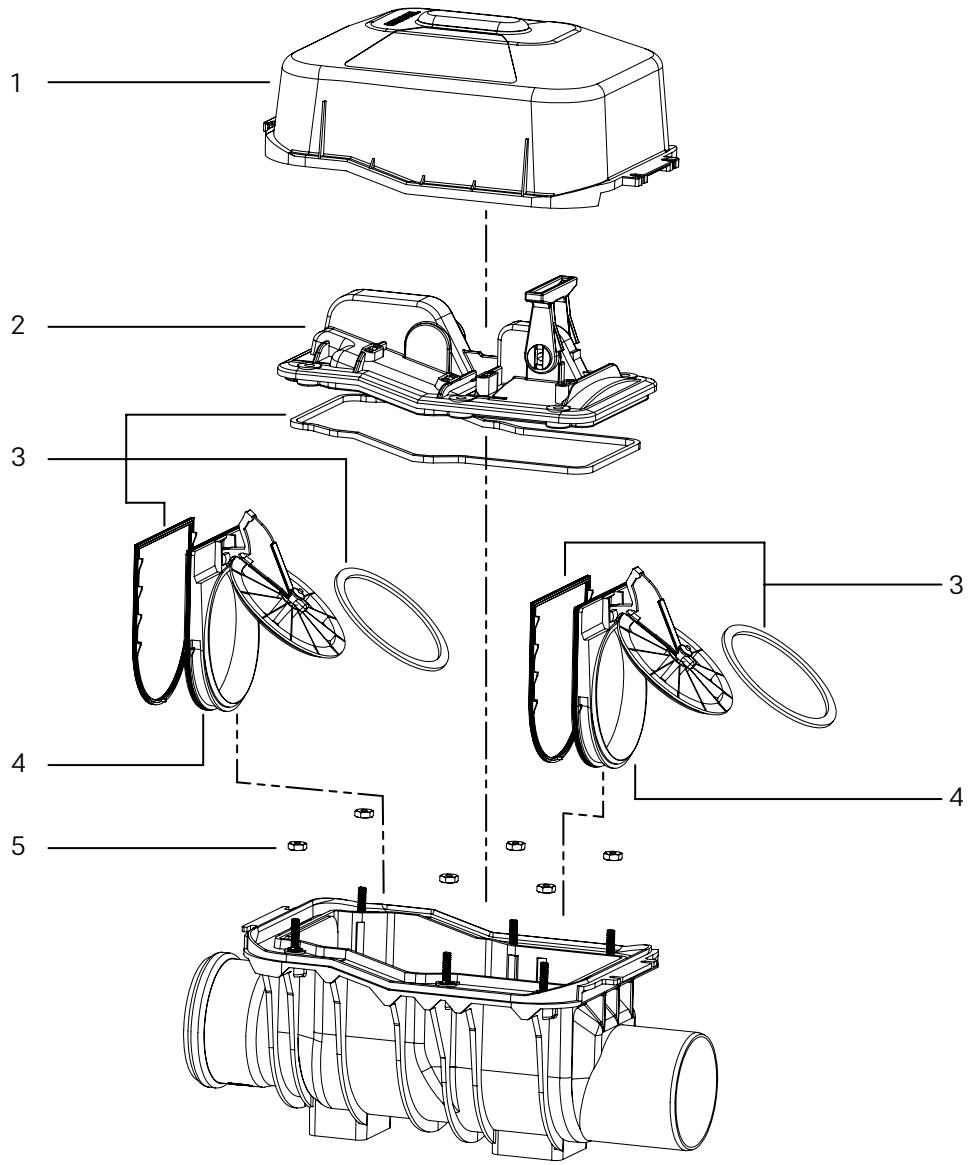
Installation in the floor slab, up to model year 12/2010



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm, with seal	83 052	7	Slide-in flap housing with flap and seal Ø 160	70 155
2	Seal for cover plate 384 × 384 mm	680 025	8	Hexagon nut set, M8, A/F17 (6 each)	680 132
3	Upper section, height-adjustable up to 180 mm	83 061	9	Cover plate, black, surface water resistant, 384 × 384 mm, with seal	83 050
4	Seal for upper section	680 026	10	Test funnel with seal	70 214
5	Lockable cover <i>Staufix SWA</i> , one-piece	80 015	11	High-performance grease for backwater valves, 12 g	681 001
6	Seal set for <i>SWA</i> lockable cover, one-piece	70 217			

Backwater valve *Staufix SWA*

Installation in an exposed wastewater pipe, up to model year 12/2010

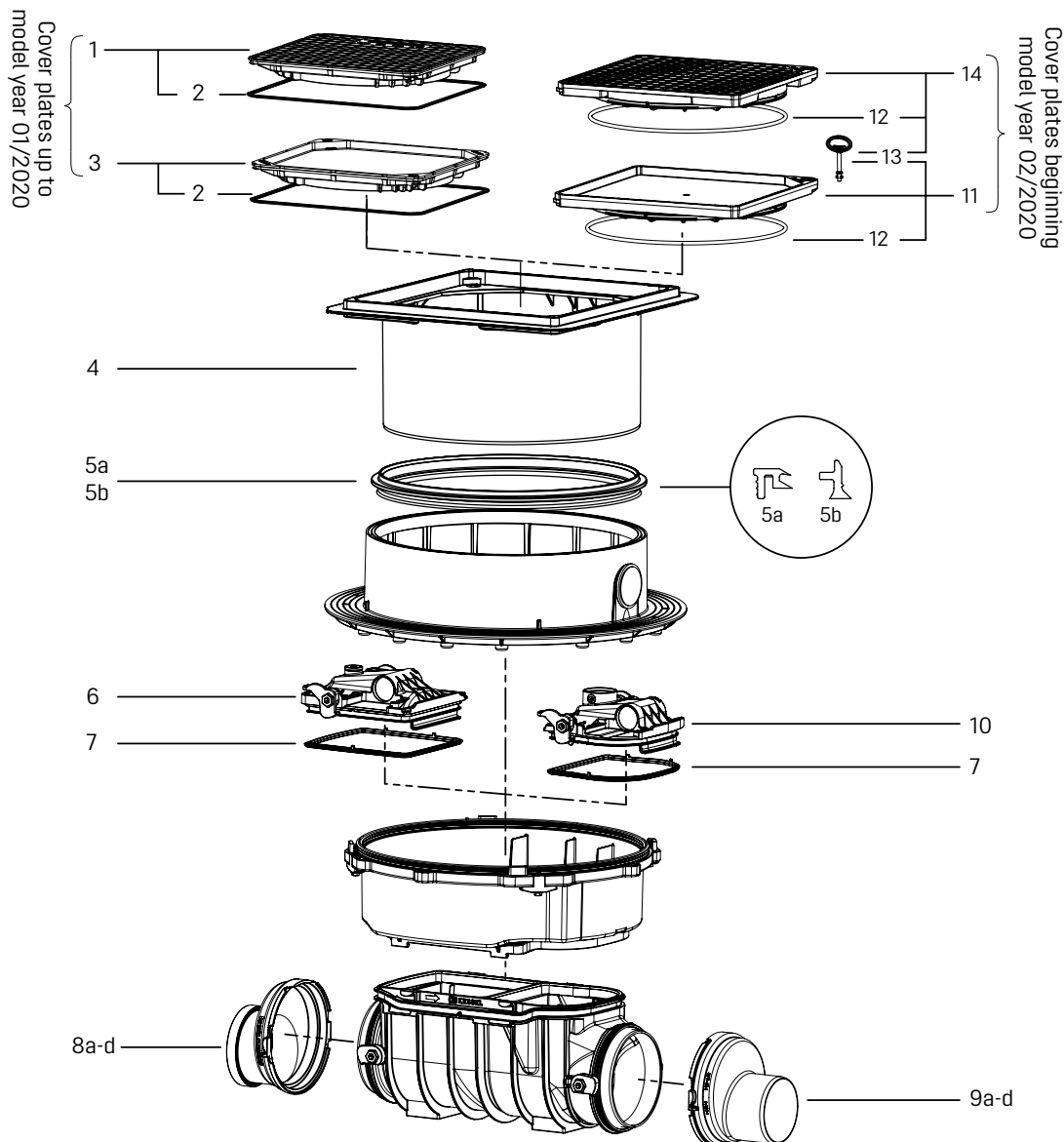


Item	Designation	Art. no.
1	Protective cover, transparent, screwed	83 030
2	Lockable cover <i>Staufix SWA</i> , one-piece	80 015
3	Seal set for <i>SWA</i> lockable cover, one-piece	70 217
4	Slide-in flap housing with flap and seal Ø 160	70 155

Item	Designation	Art. no.
5	Hexagon nut set, M8, A/F17 (6 each)	680 132
6	Test funnel with seal	70 214
7	High-performance grease for backwater valves, 12 g	681 001

Clean out *Controlfix*

Installation in the floor slab, beginning model year 01/2011



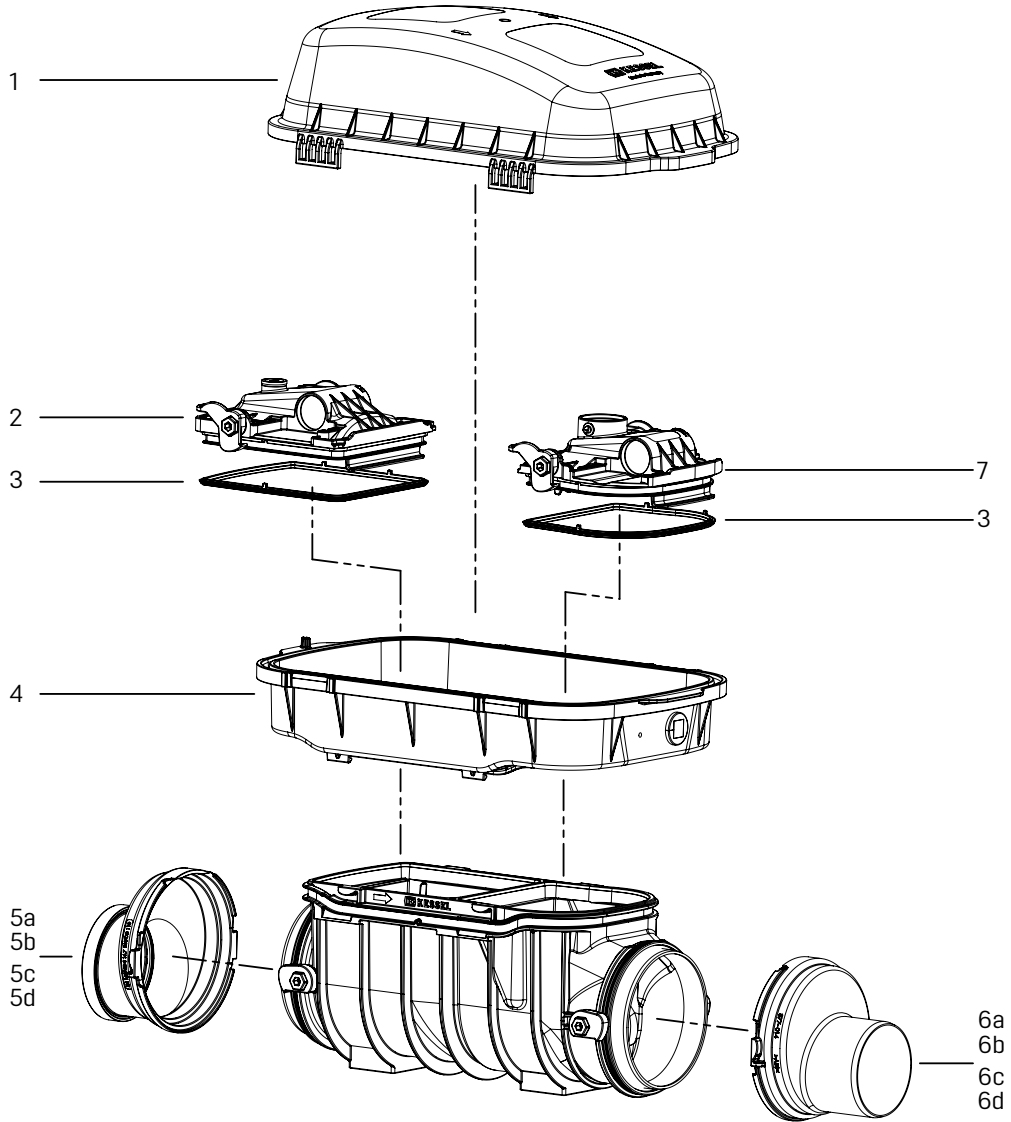
Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm, with seal up to model year 01/2020	83 052
2	Seal for cover plate 384 × 384 mm	680 025
3	Cover plate, black, surface water resistant, 384 × 384 mm, with seal up to model year 01/2020	83 050
4	Upper section, System 400 lockable, silver grey, beginning model year 02/2020 *	830 065
5	Seal for upper section	
5a	up to model year 06/2014	680 026
5b	beginning model year 07/2014	680 150
6	Lockable cover, <i>Controlfix</i> , inlet side	80 011
7	Seal set for two-piece lockable cover	70 318
8	Socket incl. seal	
8a	∅ 110	83 085
8b	∅ 125	83 086

Item	Designation	Art. no.
8c	∅ 160	83 087
8d	∅ 200	83 088
9	Spigot incl. seal	
9a	∅ 110	83 081
9b	∅ 125	83 082
9c	∅ 160	83 083
9d	∅ 200	83 084
10	Lockable cover <i>Controlfix</i> , outlet side	80 012
11	Cover plate, tileable, surface water resistant, with seal, beginning model year 02/2020	830 052
12	Seal for cover plate, System 330 mm	686 114
13	Release key for <i>Lock & Lift</i> cover plates	67 007
14	Cover plate, black, surface water resistant, with seal, beginning model year 02/2020	830 050

* Upper sections (art.no. 83 061) up to 01/2020 discontinued, please order upper section (art.nr 830 065) and cover (art.nr 830 045 or art.nr. 830 046).

Clean out *Controlfix*

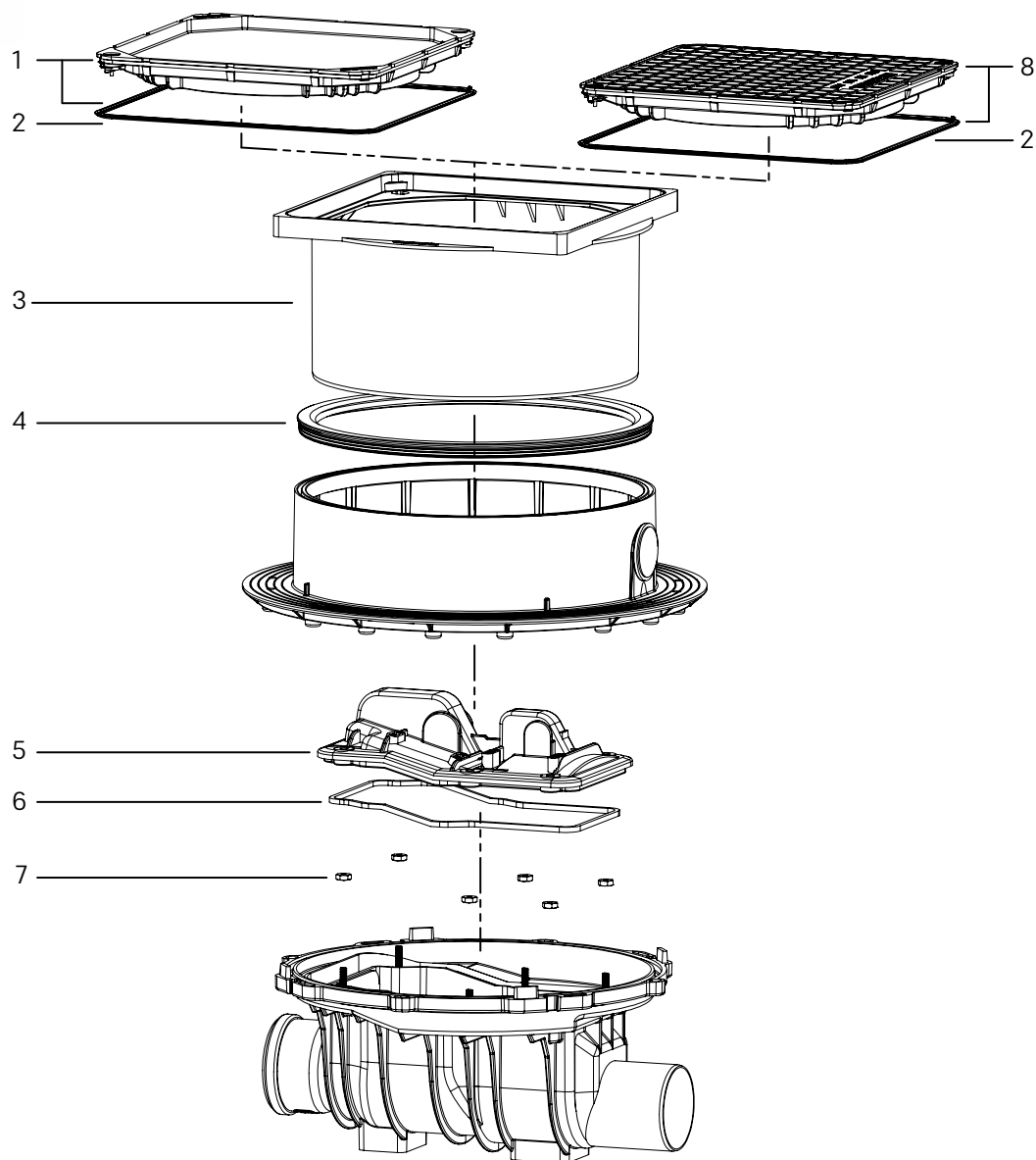
Installation in an exposed wastewater pipe, beginning model year 01/2011



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Protective cover, transparent	83 031	5d	Ø 200	83 088
2	Lockable cover, <i>Controlfix</i> , inlet side	80 011	6	Spigot incl. seal	
3	Seal set for two-piece lockable cover	70 318	6a	Ø 110	83 081
4	Upper section for attaching a protective cover	83 032	6b	Ø 125	83 082
5	Socket incl. seal		6c	Ø 160	83 083
5a	Ø 110	83 085	6d	Ø 200	83 084
5b	Ø 125	83 086	7	Lockable cover <i>Controlfix</i> , outlet side	80 012
5c	Ø 160	83 087			

Clean out *Controlfix*

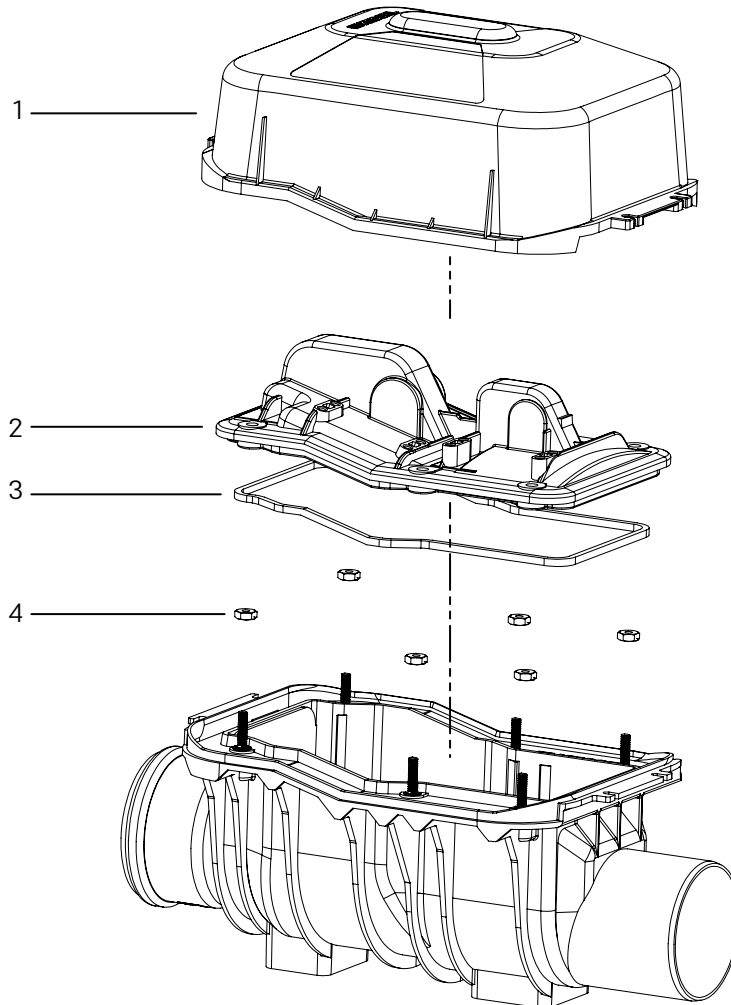
Installation in the floor slab, up to model year 12/2010



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, surface water resistant, 384 × 384 mm, with seal	83 052	5	<i>Controlfix</i> lockable cover, one-piece, with seal	80 010
2	Seal for cover plate 384 × 384 mm	680 025	6	Seal for screwable lockable cover	70 202
3	Upper section, height-adjustable up to 180 mm	83 061	7	Hexagon nut set, M8, A/F17 (6 each)	680 132
4	Seal for upper section	680 026	8	Cover plate, black, surface water resistant, 384 × 384 mm, with seal	83 050

Clean out *Controlfix*

Installation in an exposed wastewater pipe, up to model year 12/2010



Item	Designation	Art. no.
1	Protective cover, transparent, screwed	83 030
2	Lockable cover, <i>Controlfix</i> , one-piece, with seal	80 010
3	Seal for screwable lockable cover	70 202
4	Hexagon nut set, M8, A/F17 (6 each)	680 132

Item	Designation	Art. no.
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Product features of the *Staufix* series

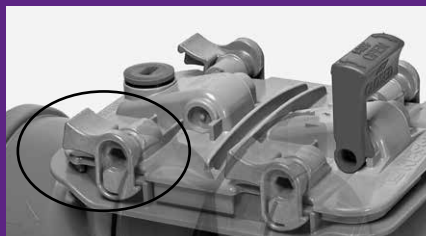
Product range up to 03/2005
(orange)

- Locking of drain body and cover with brass screw



Product range model year 04/2005 to 01/2018
(orange)

- Locking of drain body and cover with quick-release closures (Ø 200 screwed)



Product range beginning model year 09/2017
(black)

- Locking of drain body and cover with one-handed closure



Backwater valve *StaufixControl* and *Staufix*

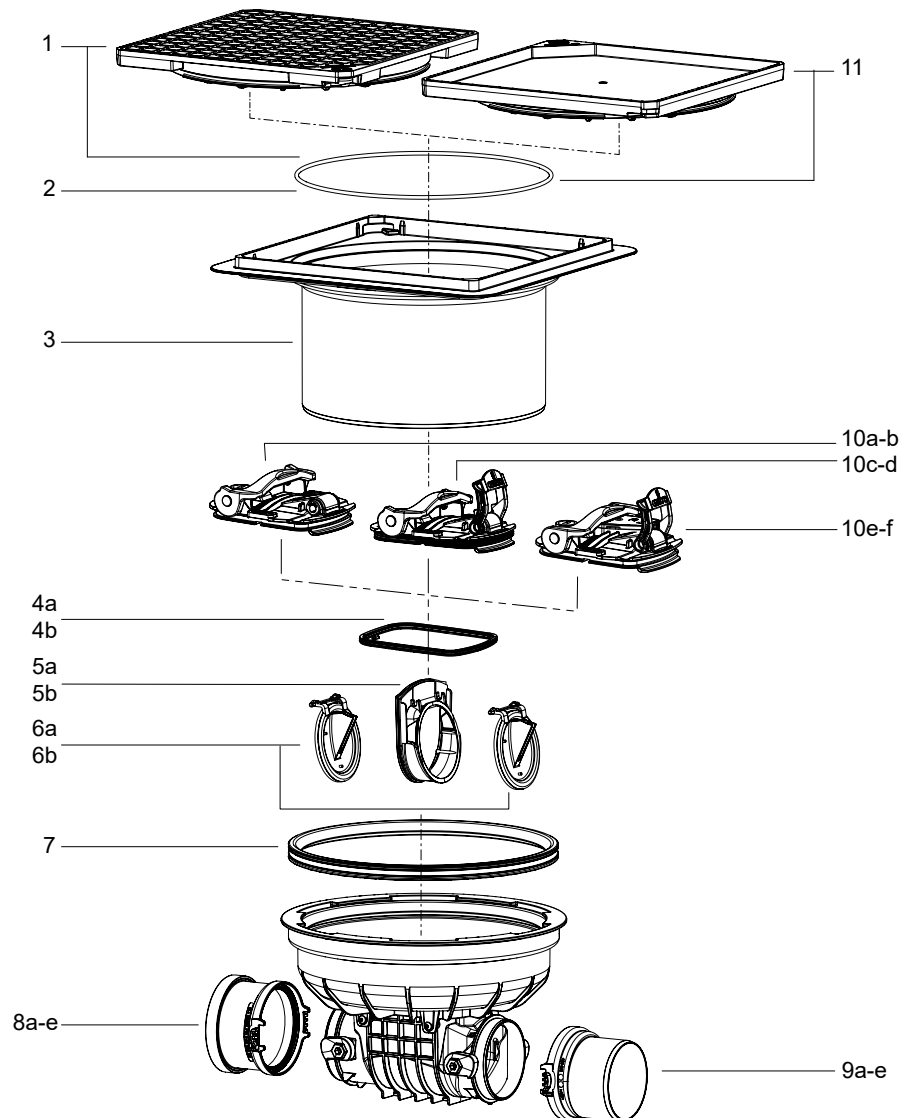
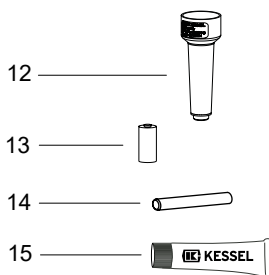
Installation in the floor slab, beginning model year 09/2017



Figure shows art. no. 770 100.10X



Figure shows art. no. 720 100.10X



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, black, surface water resistant, 366 × 366 mm, with seal	830 050	9	Spigot incl. seal	
2	Seal for cover plate	686 114	9a	Ø 90	83 090
3	Upper section, Ø 330 mm, height adjustable up to 170 mm	830 061	9b	Ø 110	830 100
4	Cover seal for <i>Staufix</i>		9c	Ø 125	83 082
4a	for Ø 90 - 110	686 112	9d	Ø 160	83 083
4b	for Ø 125 - 200	686 113	9e	Ø 200	83 084
5	Slide-in flap housing with seal		10	Lockable cover	
5a	for Ø 90 - 110	70 241	10a	<i>Staufix</i> Ø 90 - 110, without emergency closure	72 235
5b	for Ø 125 - 160	70 242	10b	<i>Staufix</i> Ø 125 - 200, without emergency closure	72 236
6	Non-return flap		10c	<i>Staufix</i> Ø 90 - 110, with emergency closure	72 229
6a	for Ø 90 - 110	70 231	10d	<i>Staufix</i> Ø 125 - 200, with emergency closure	72 230
6b	for Ø 125 - 160	70 232	10e	<i>StaufixControl</i> Ø 90 - 110, with emergency closure	72 224
7	Lip seal	686 115	10f	<i>StaufixControl</i> Ø 125 - 200, with emergency closure	72 225
8	Socket incl. seal		11	Cover plate, tileable, surface water resistant with seal	830 052
8a	Ø 90	83 091	12	Test funnel with seal	70 214
8b	Ø 110	830 101	13	Battery, 3 V for <i>Control</i> device	680 665
8c	Ø 125	83 086	14	Test hose for <i>Control</i> device, 10 cm	680 668
8d	Ø 160	83 087	15	High-performance grease for backwater valves, 12 g	681 001
8e	Ø 200	83 088			

Backwater valve *StaufixControl* and *Staufix*

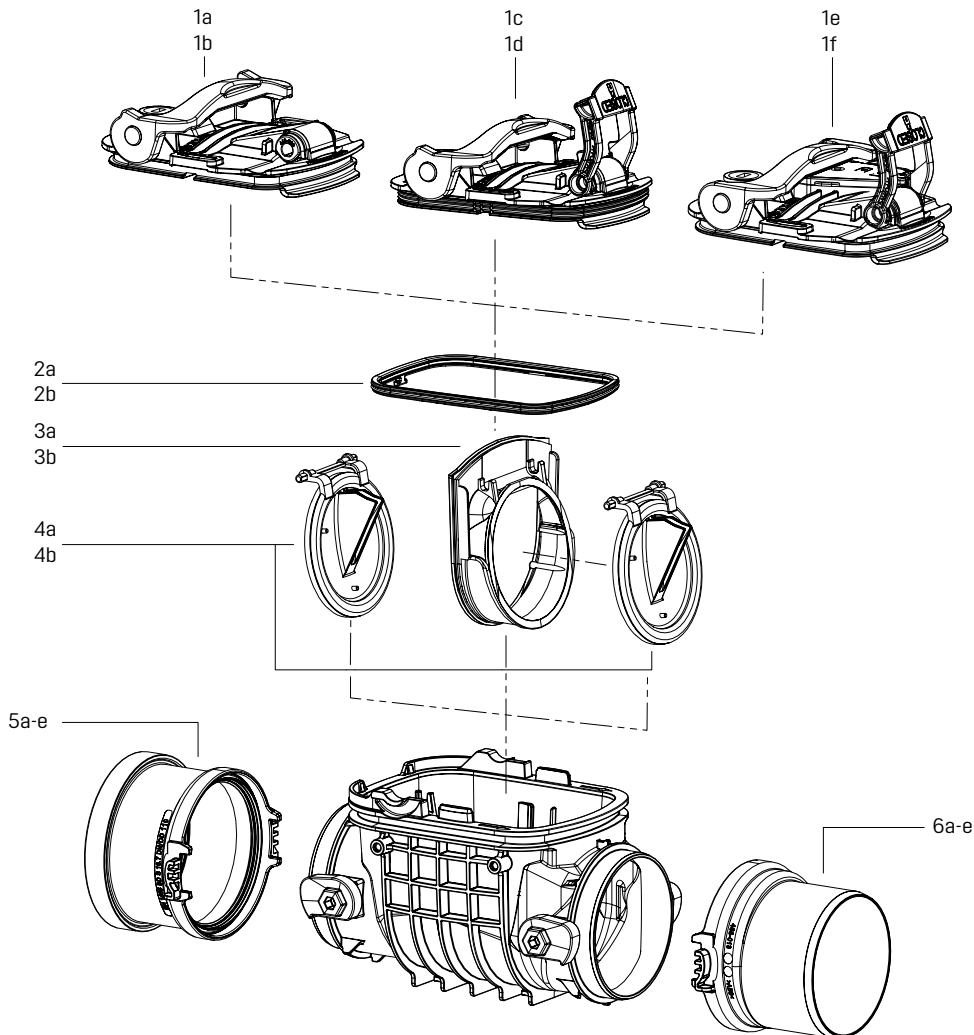
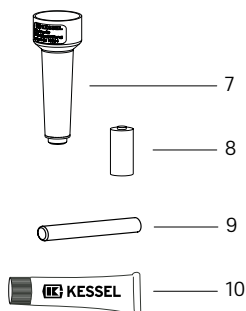
Installation in an exposed wastewater pipe, beginning model year 09/2017



Figure shows art. no. 770 100



Figure shows art. no. 720 100



Item	Designation	Art. no.
1	Lockable cover	
1a	<i>Staufix</i> Ø 90 - 110, without emergency closure	72 235
1b	<i>Staufix</i> Ø 125 - 200, without emergency closure	72 236
1c	<i>Staufix</i> Ø 90 - 110, with emergency closure	72 229
1d	<i>Staufix</i> Ø 125 - 200, with emergency closure	72 230
1e	<i>StaufixControl</i> Ø 90 - 110, with emergency closure	72 224
1f	<i>StaufixControl</i> Ø 125 - 200, with emergency closure	72 225
2	Cover seal for <i>Staufix</i>	
2a	for Ø 90 - 110	686 112
2b	for Ø 125 - 200	686 113
3	Slide-in flap housing with seal	
3a	for Ø 90 - 110	70 241
3b	for Ø 125 - 160	70 242
4	Non-return flap	
4a	for Ø 90 - 110	70 231
4b	for Ø 125 - 160	70 232

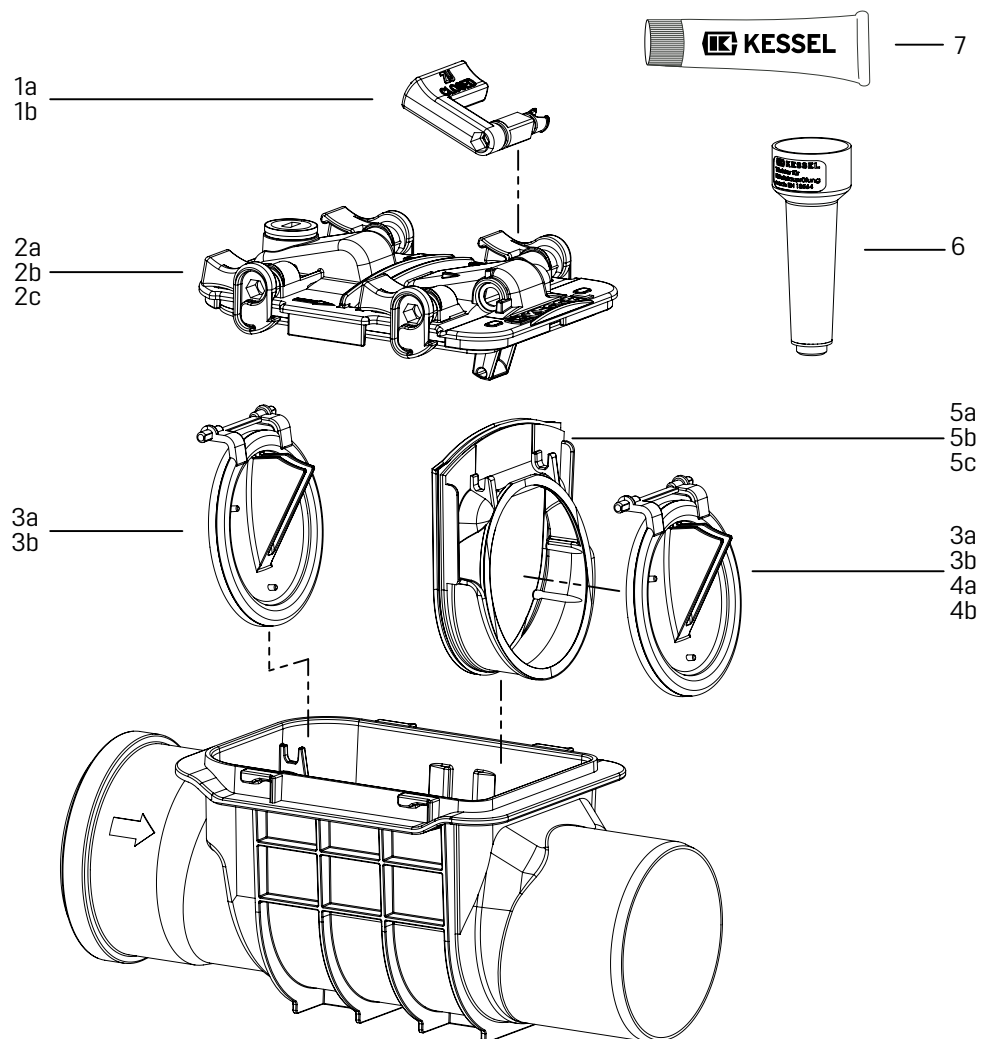
Item	Designation	Art. no.
5	Socket incl. seal	
5a	Ø 90	83 091
5b	Ø 110	830 101
5c	Ø 125	83 086
5d	Ø 160	83 087
5e	Ø 200	83 088
6	Spigot incl. seal	
6a	Ø 90	83 090
6b	Ø 110	830 100
6c	Ø 125	83 082
6d	Ø 160	83 083
6e	Ø 200	83 084
7	Test funnel with seal	70 214
8	Battery, 3 V for <i>Control</i> device	680 665
9	Test hose for <i>Control</i> device, 10 cm	680 668
10	High-performance grease for backwater valves, 12 g	681 001

Backwater valve *Staufix Basic*

Installation in an exposed wastewater pipe, beginning model year 04/2005, orange



Figure shows art. no. 73 100



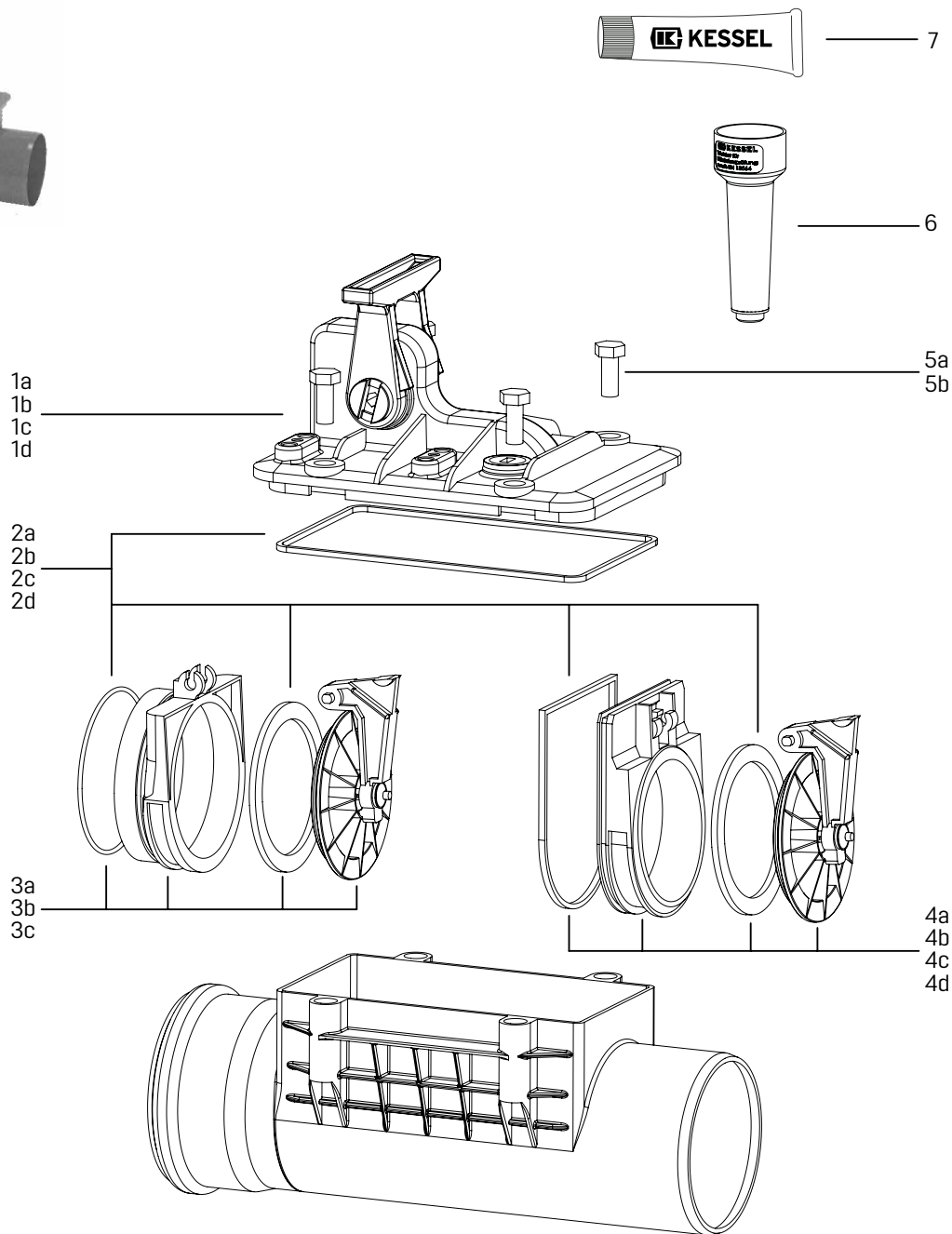
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Emergency closure lever for <i>Staufix</i> incl. 2 × O-ring		4	Backwater flap with stainless steel cladding	
1a	Ø 110	680 063	4a	Ø 110	70 233
1b	Ø 125/160	680 064	4b	Ø 125/160	70 234
2	Lockable cover <i>Staufix</i> with emergency closure incl. seal		5	Slide-in flap housing incl. seal	
2a	Ø 110	70 261	5a	Ø 110	70 241
2b	Ø 125/160	70 262	5b	Ø 125/160	70 242
2c	Ø 200	70 203	5c	and flap, Ø 200	70 205
3	Backwater flap		6	Test funnel with seal	70 214
3a	Ø 110	70 231	7	High-performance grease for backwater valves, 12 g	681 001
3b	Ø 125/160	70 232			

Backwater valve *Staufix Basic*

Installation in an exposed wastewater pipe, up to model year 03/2005, orange



Figure shows art. no. 73 100



Item	Designation	Art. no.
1	Lockable cover <i>Staufix</i> , with emergency closure, without screws	
1a	Ø 110	70 103
1b	Ø 125	70 128
1c	Ø 160	70 153
1d	Ø 200	70 203
2	Seal set <i>Staufix</i>	
2a	Ø 110	70 115
2b	Ø 125	70 116
2c	Ø 160	70 117
2d	Ø 200	70 118
3	Push-in flap housing with flap and seal	
3a	Ø 110	70 104

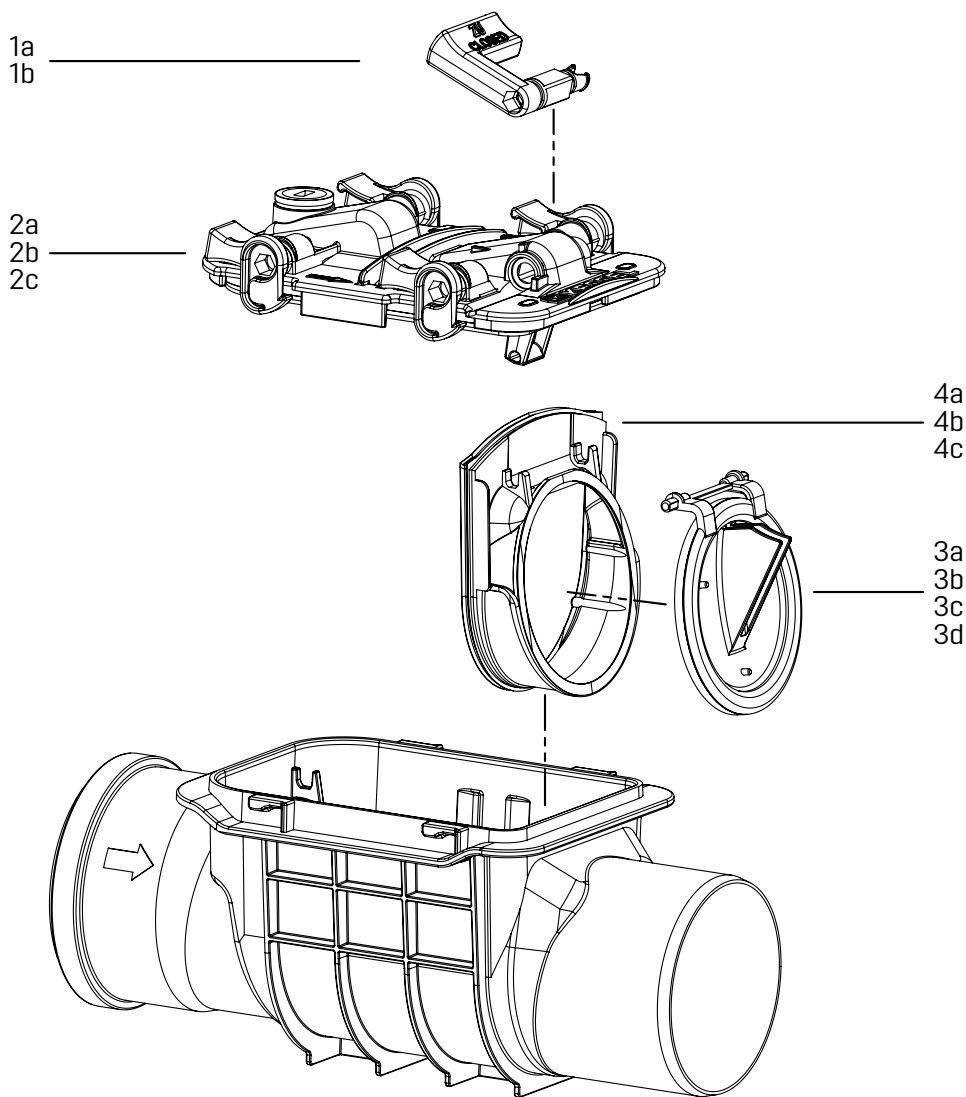
Item	Designation	Art. no.
3b	Ø 125	70 129
3c	Ø 160	70 154
4	Slide-in flap housing with flap and seal	
4a	Ø 110	70 105
4b	Ø 125	70 130
4c	Ø 160	70 155
4d	Ø 200	70 205
5a	Screw for lockable cover Ø 110 – 160 (1 ea.)	70 106
5b	Screw for lockable cover Ø 200 (1 ea.)	680 008
6	Test funnel with seal	70 214
7	High-performance grease for backwater valves, 12 g	681 001

Backwater valve *Staufix Basic*

Installation in an exposed wastewater pipe, beginning model year 04/2005, orange



Figure shows art. no. 72 100



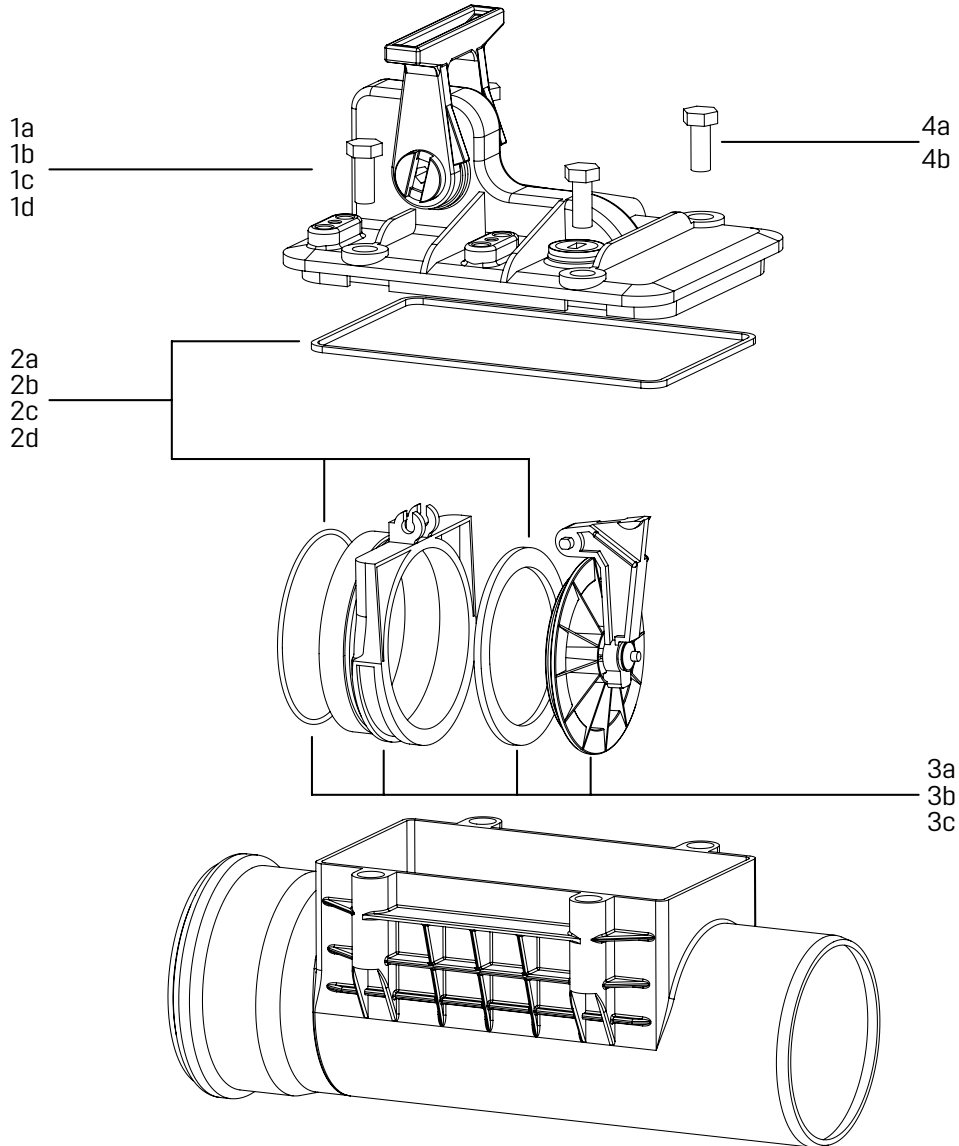
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Emergency closure lever for <i>Staufix</i> incl. 2 × O-ring		3b	Ø 125/160	70 232
1a	Ø 110	680 063	3c	with stainless steel cladding Ø 110	70 233
1b	Ø 125/160	680 064	3d	with stainless steel cladding Ø 125/160	70 234
2	Lockable cover <i>Staufix</i> with emergency closure incl. seal		4	Slide-in flap housing incl. seal	
2a	Ø 110	70 261	4a	Ø 110	70 241
2b	Ø 125/160	70 262	4b	Ø 125/160	70 242
2c	Ø 200	70 203	4c	and flap, Ø 200	70 205
3	Backwater flap		5	High-performance grease for backwater valves, 12 g	681 001
3a	Ø 110	70 231			

Backwater valve *Staufix Basic*

Installation in an exposed wastewater pipe, up to model year 03/2005, orange



Figure shows art. no. 72 100



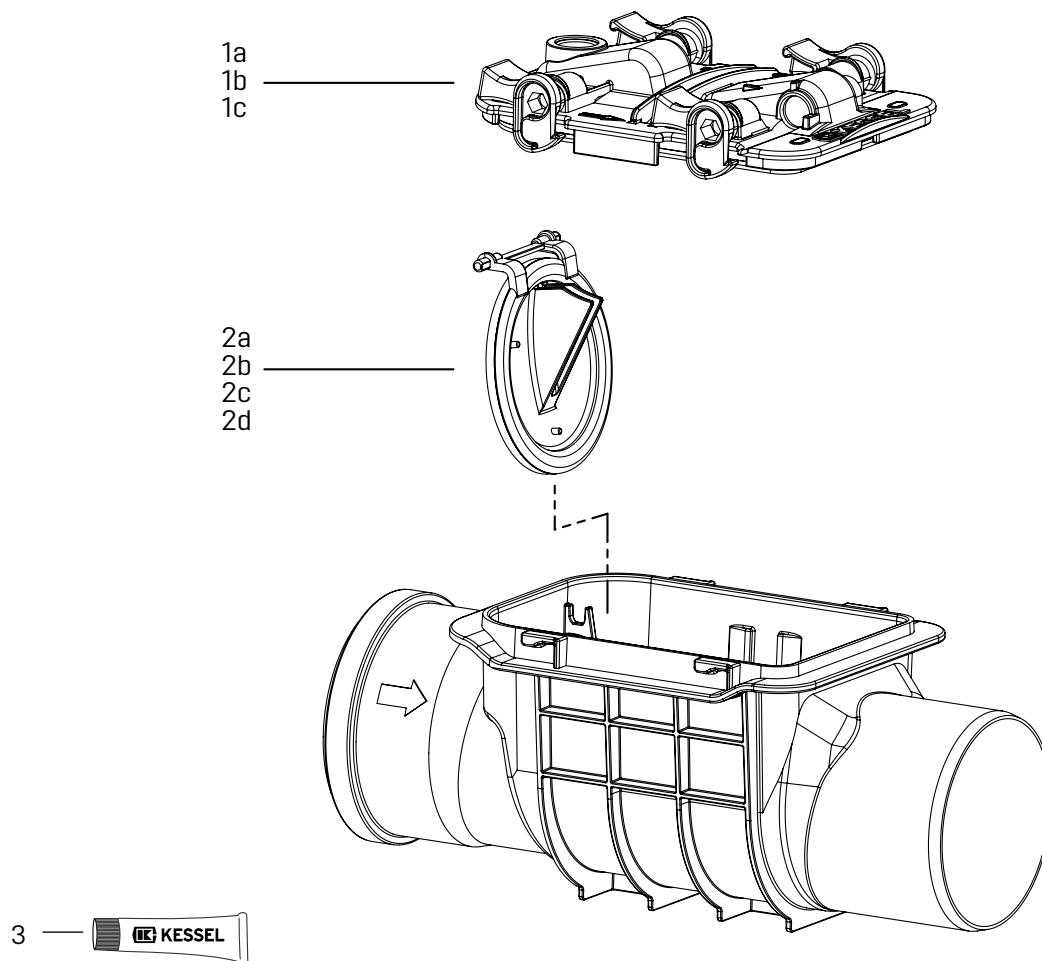
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Lockable cover <i>Staufix</i> , with emergency closure, without screws		2d	Ø 200	70 118
1a	Ø 110	70 103	3	Push-in flap housing with flap and seal	
1b	Ø 125	70 128	3a	Ø 110	70 104
1c	Ø 160	70 153	3b	Ø 125	70 129
1d	Ø 200	70 203	3c	Ø 160	70 154
2	Seal set <i>Staufix</i>		4	Screw	
2a	Ø 110	70 115	4a	for lockable cover Ø 110 – 160 (1 ea.)	70 106
2b	Ø 125	70 116	4b	for lockable cover Ø 200 (1 ea.)	680 008
2c	Ø 160	70 117	5	High-performance grease for backwater valves, 12 g	681 001

Backwater valve *Staufix Basic*

Installation in an exposed wastewater pipe, beginning model year 04/2005, orange



Figure shows art. no. 71 100



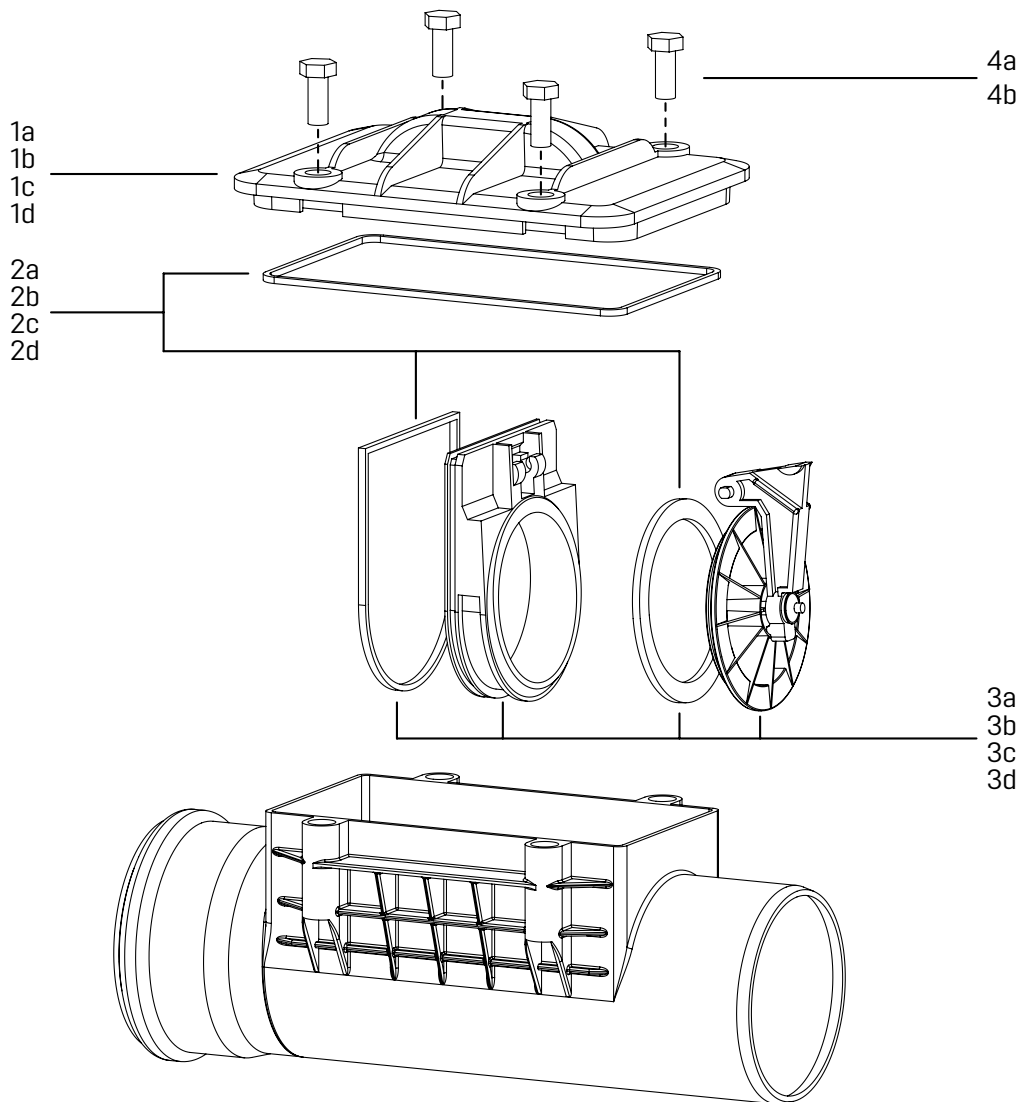
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Lockable cover <i>Staufix</i> , with seal		2c	with stainless steel cladding Ø 110	70 233
1a	Ø 110	70 251	2d	with stainless steel cladding Ø 125/160	70 234
1b	Ø 125/160	70 252	3	High-performance grease for backwater valves, 12 g	681 001
1c	Ø 200	70 201		Screw for lockable cover Ø 200, 1 ea. (not illustrated)	680 008
2	Backwater flap			Seal set for Ø 200 (not illustrated)	70 118
2a	Ø 110	70 231		Slide-in flap housing for Ø 200 (not illustrated)	70 205
2b	Ø 125/160	70 232			

Backwater valve *Staufix Basic*

Installation in an exposed wastewater pipe, up to model year 03/2005, orange



Figure shows art. no. 71 100



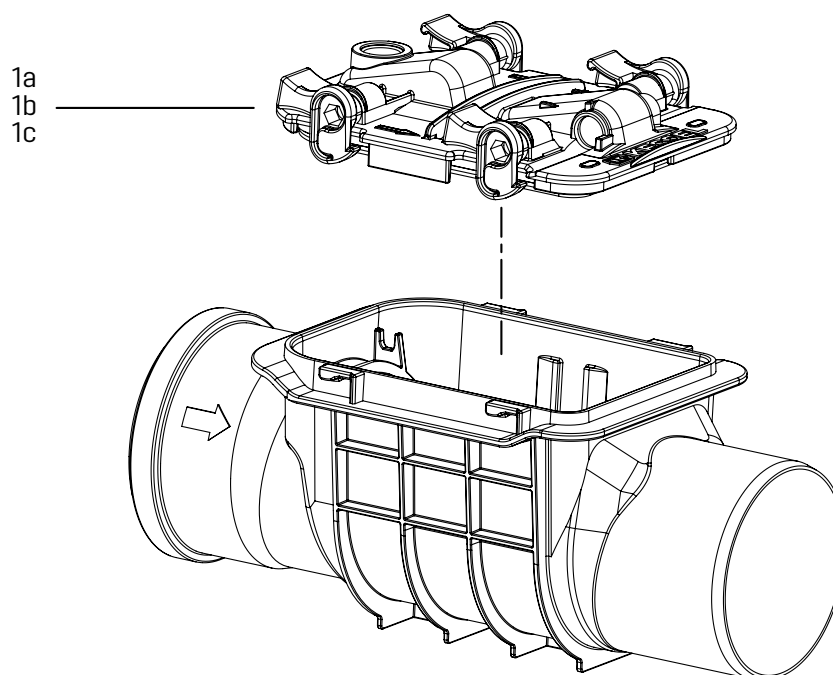
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Lockable cover <i>Staufix</i> without screws		3	Slide-in flap housing with flap and seal	
1a	Ø 110	70 101	3a	Ø 110	70 105
1b	Ø 125	70 126	3b	Ø 125	70 130
1c	Ø 160	70 151	3c	Ø 160	70 155
1d	Ø 200	70 201	3d	Ø 200	70 205
2	Seal set <i>Staufix</i>		4	Screw	
2a	Ø 110	70 115	4a	for lockable cover Ø 110 – 160 (1 ea.)	70 106
2b	Ø 125	70 116	4b	for lockable cover Ø 200 (1 ea.)	680 008
2c	Ø 160	70 117	5	High-performance grease for backwater valves, 12 g	681 001
2d	Ø 200	70 118			

Clean out *Staufix Basic*

Installation in an exposed wastewater pipe, beginning model year 04/2005, orange



Figure shows art. no. 70 100



Item	Designation	Art. no.
1	Lockable cover <i>Staufix</i> , with seal	
1a	Ø 110	70 251
1b	Ø 125/160	70 252
1c	Ø 200	70 201
	Screw for lockable cover Ø 200, 1 ea. (not illustrated)	680 008

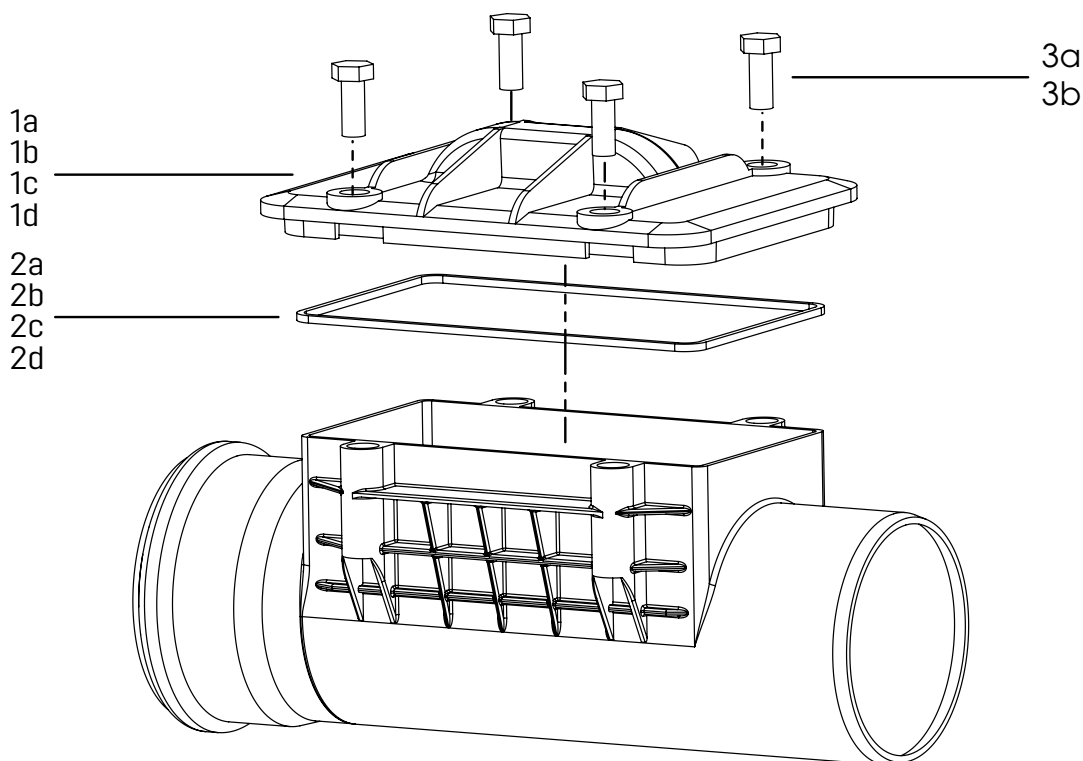
Item	Designation	Art. no.
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Clean out *Staufix Basic*

Installation in an exposed wastewater pipe, up to model year 03/2005, orange



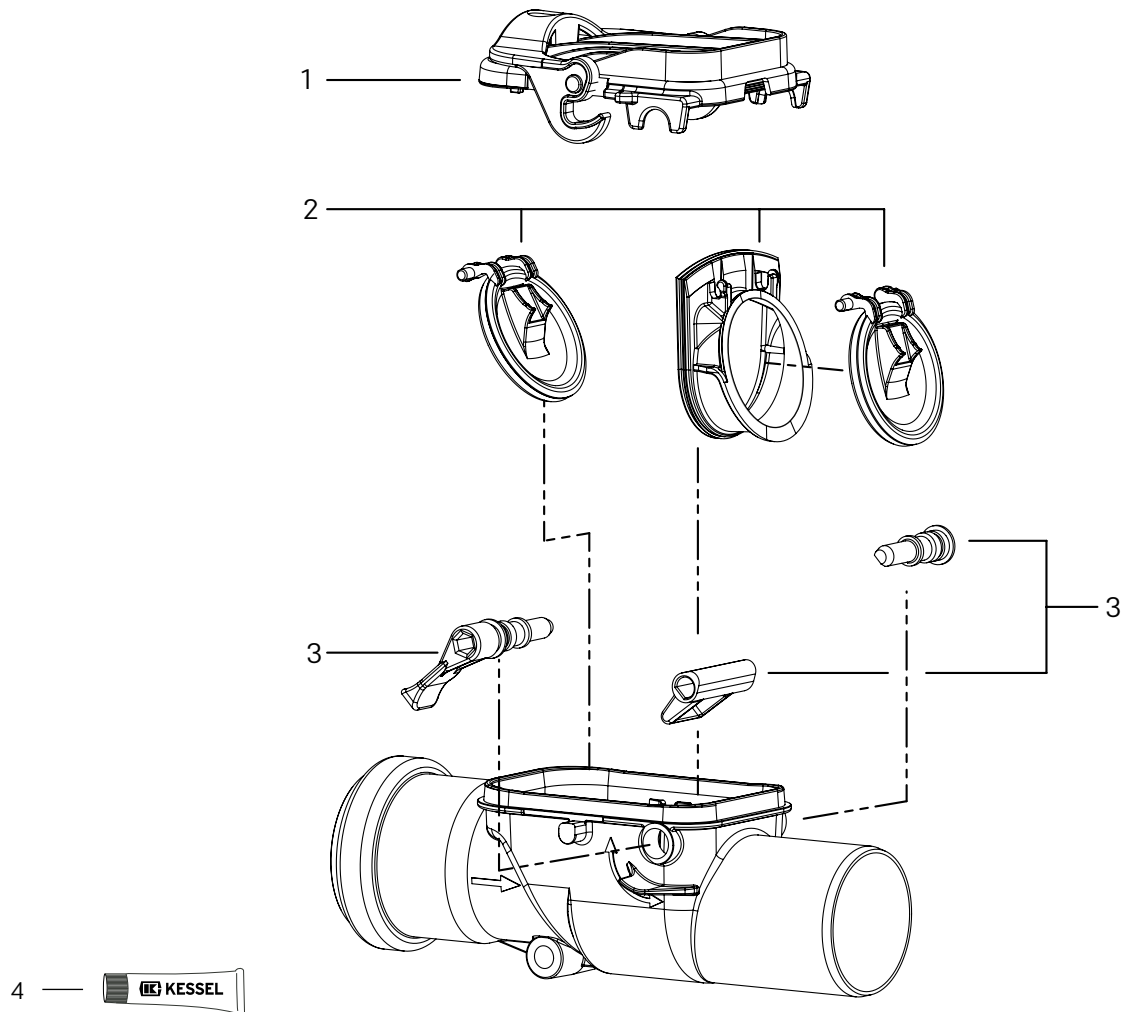
Figure shows art. no. 70 100



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Lockable cover <i>Staufix</i> without screws		2b	Ø 125	70 116
1a	Ø 110	70 101	2c	Ø 160	70 117
1b	Ø 125	70 126	2d	Ø 200	70 118
1c	Ø 160	70 151	3	Screw	
1d	Ø 200	70 201	3a	for lockable cover Ø 110 - 160 (1 ea.)	70 106
2	Seal set <i>Staufix</i>		3b	for lockable cover Ø 200 (1 ea.)	680 008
2a	Ø 110	70 115			

Backwater valve *Staufix* Ø 50

Installation in an exposed wastewater pipe

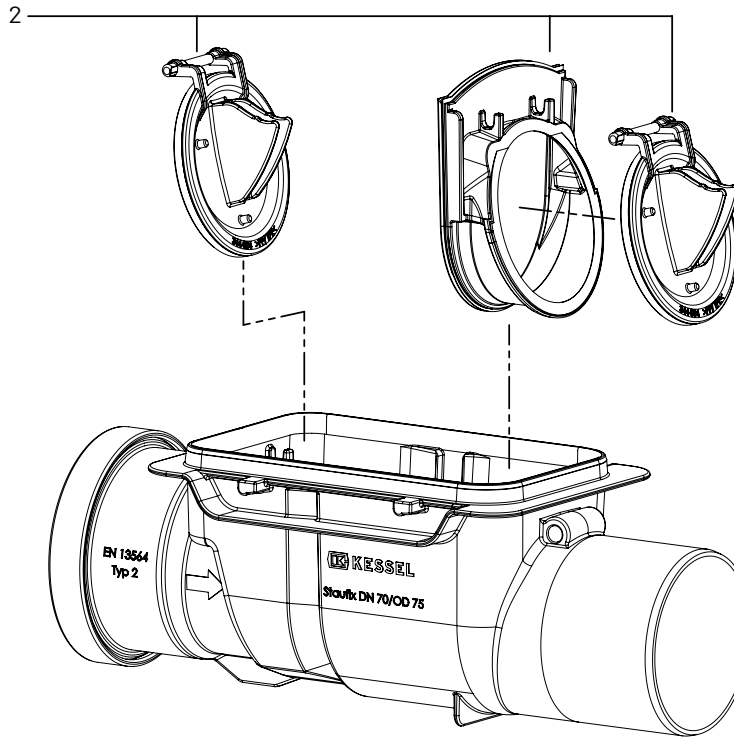
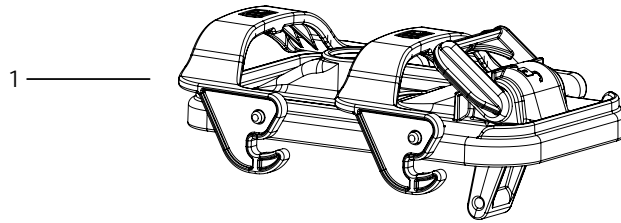


Item	Designation	Art. no.
1	Lockable cover Ø 50, with seal	70 053
2	Flap set Ø 50, slide-in flap housing with two flaps	70 055
3	Emergency closure lever, bolt, locking device and 2 × O-ring	70 056
4	High-performance grease for backwater valves, 12 g	681 001

Item	Designation	Art. no.
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Backwater valve *Staufix* Ø 75

Installation in an exposed wastewater pipe

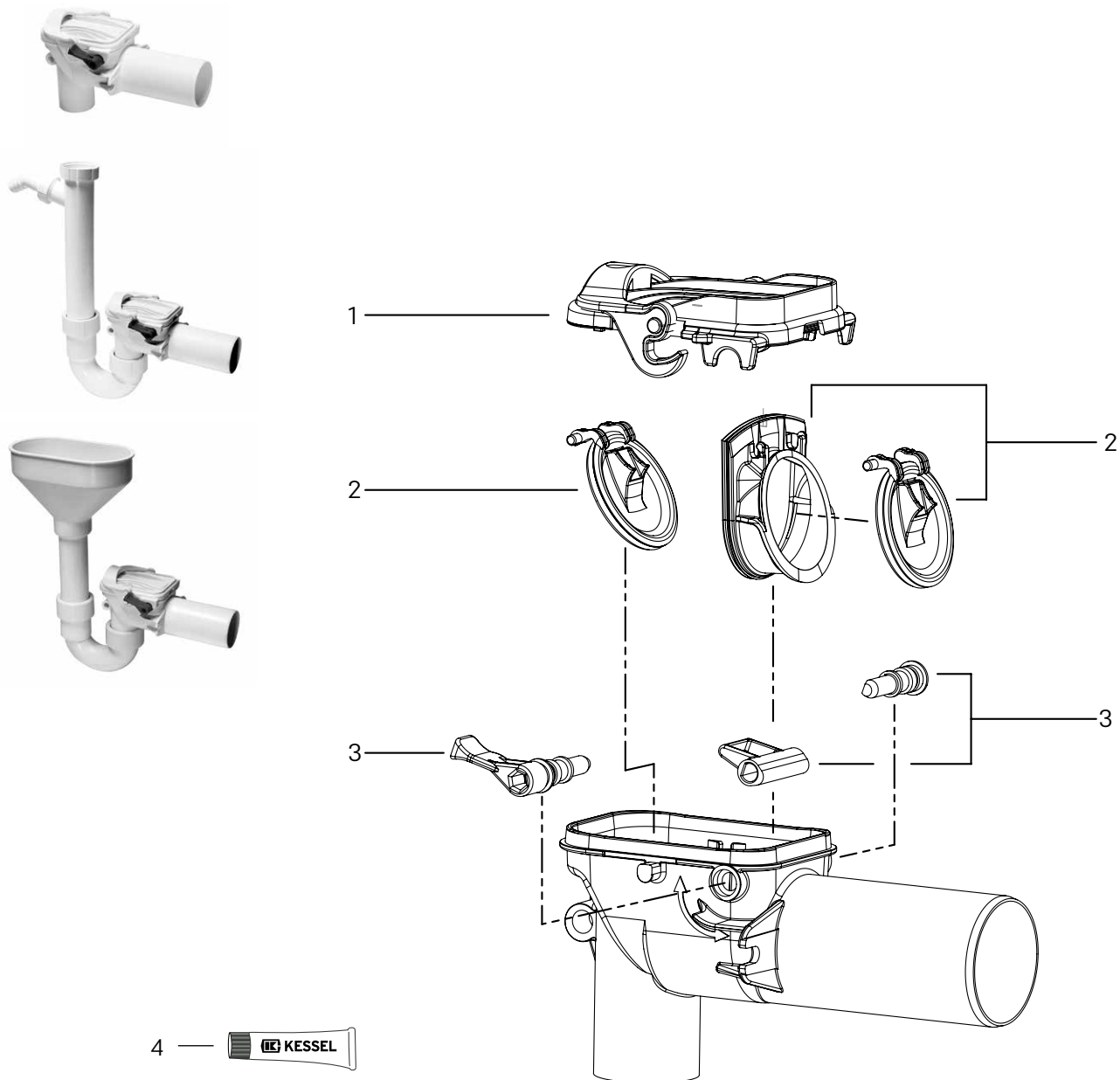


Item	Designation	Art. no.
1	Lockable cover with emergency closure and seal	70 073
2	Flap set Ø 75, slide-in flap housing with two flaps	70 075
3	High-performance grease for backwater valves, 12 g	681 001

Item	Designation	Art. no.
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Backwater valve *Staufix siphon* Ø 50

Installation in an exposed wastewater pipe

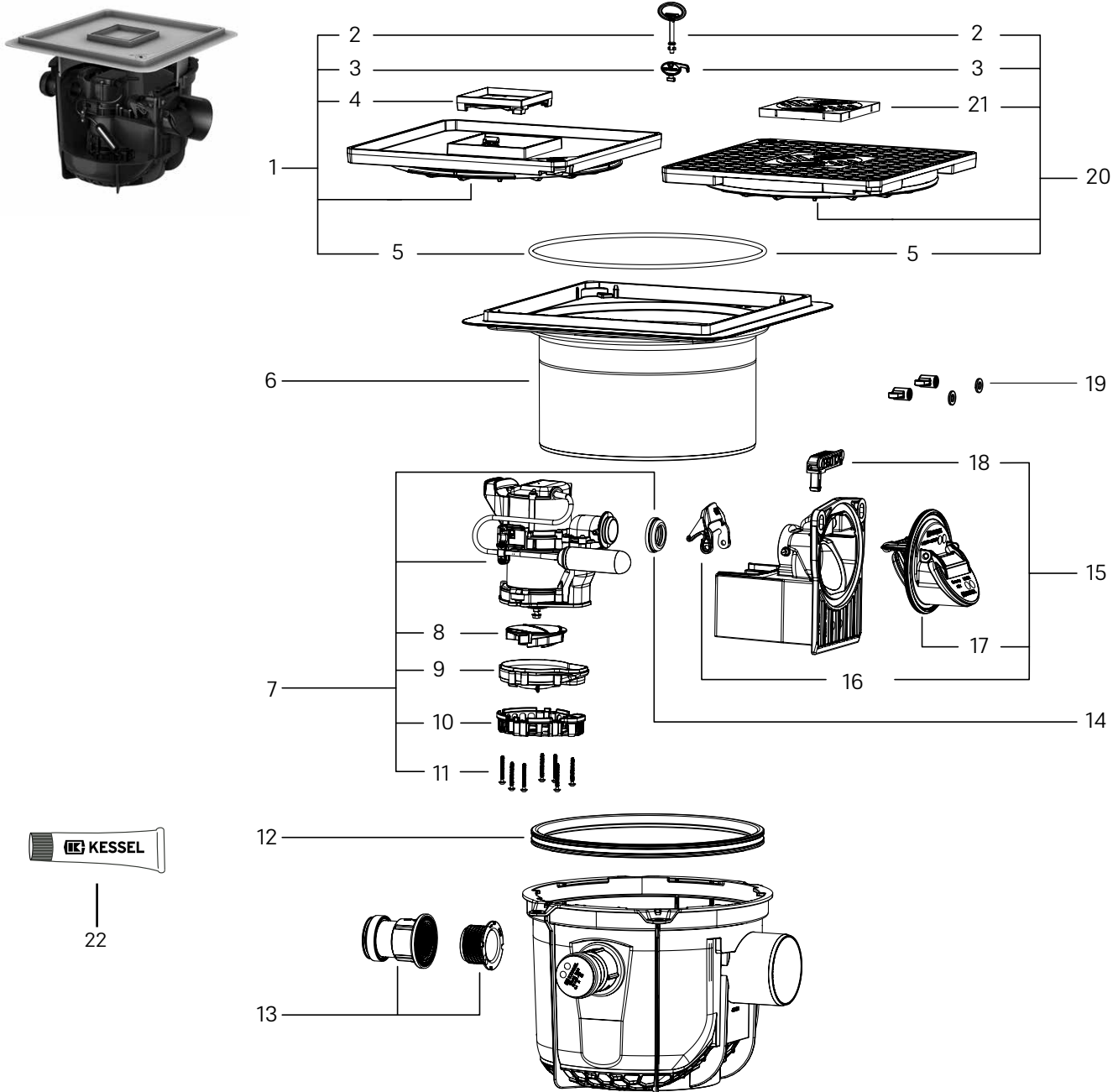


Item	Designation	Art. no.
1	Lockable cover, with seal	70 054
2	Flap set Ø 50, slide-in flap housing with two flaps	70 055
3	Emergency closure lever, bolt, locking device and 2 × O-ring	70 056
4	High-performance grease for backwater valves, 12 g	681 001

Item	Designation	Art. no.
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Backwater pumping station *Pumpfix S*

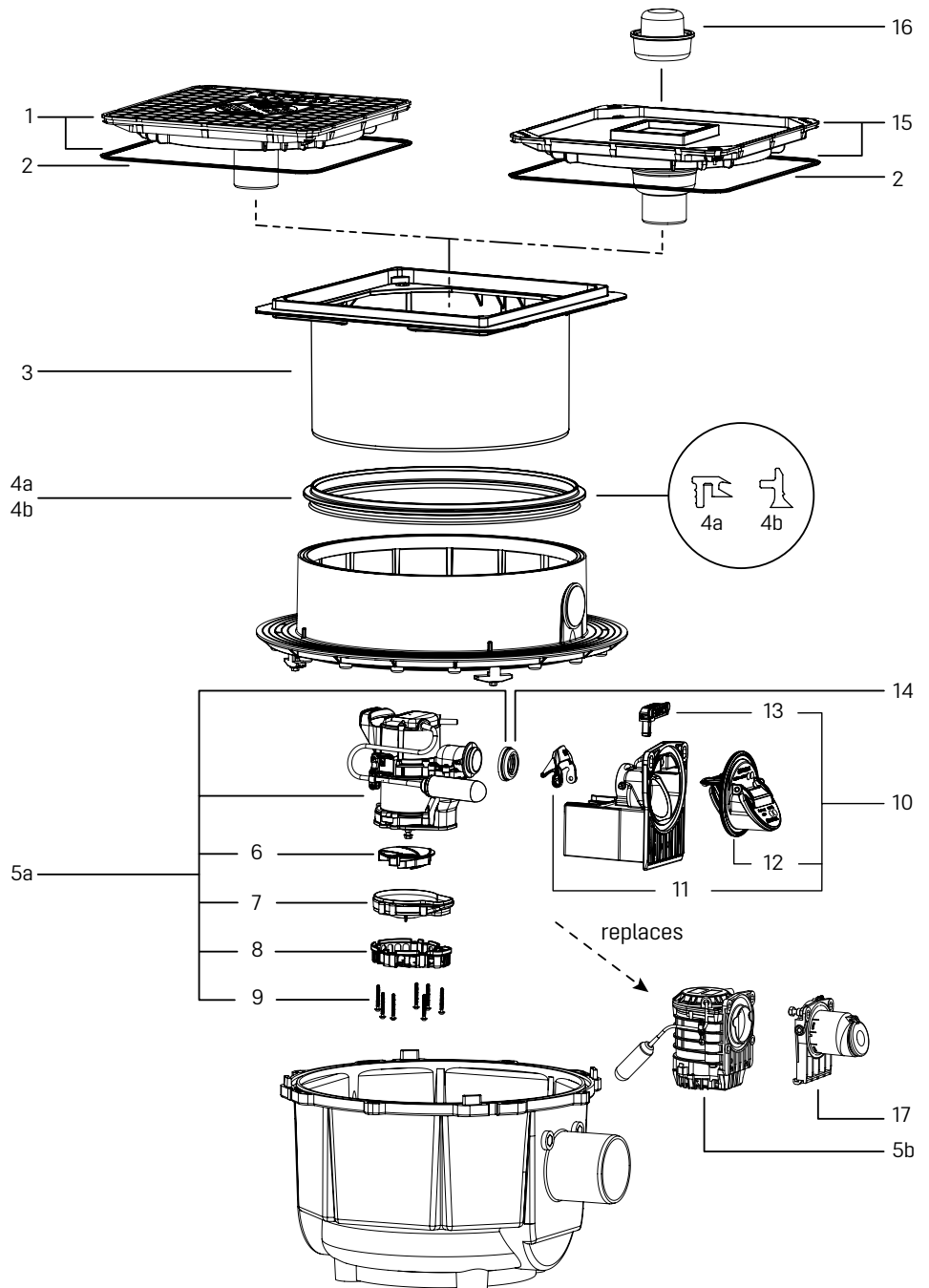
Installation in the floor slab, beginning model year 02/2020



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable with drain, stone grey, with seal	830 054	12	Lip seal System 330	686 115
2	Release key for <i>Lock & Lift</i> cover plates	67 007	13	Inlet connection made of polymer Ø 50	39 005
3	Release key for <i>Lock & Lift</i> insert gratings	680 702	14	Seal for pressure pipe connection	680 067
4	Drain cover, tileable, <i>Lock & Lift</i> , ABS	680 224	15	Flap housing with 2 backwater flaps and emergency closure	680 829
5	Seal for cover plate, System 330 mm	686 114	16	One-handed closure for backflow preventer	680 018
6	Upper section, d: 300 mm, height up to 170 mm	830 061	17	Slide-in flap housing with two backwater flaps	680 884
7	Replacement pump GTF 500 with float switch	680 828	18	Emergency closure lever for flap housing, incl. seals	680 883
8	Multi-vane impeller for GTF 500	680 767	19	Wing and hexagon nut set comprising 2× M8 and 2 × M10	680 830
9	Spiral housing for GTF 500	680 768	20	Cover plate, black, with slotted grating and seal	830 053
10	Intake cage for GTF 500	680 770	21	Slotted insert grating, 138 × 138 mm, polymer	60 101S
11	Screw set for intake cage GTF 500	680 769	22	High-performance grease for backwater valves, 12 g	681 001

Backwater pumping station *Pumpfix S*

Installation in the floor slab, up to model year 01/2020



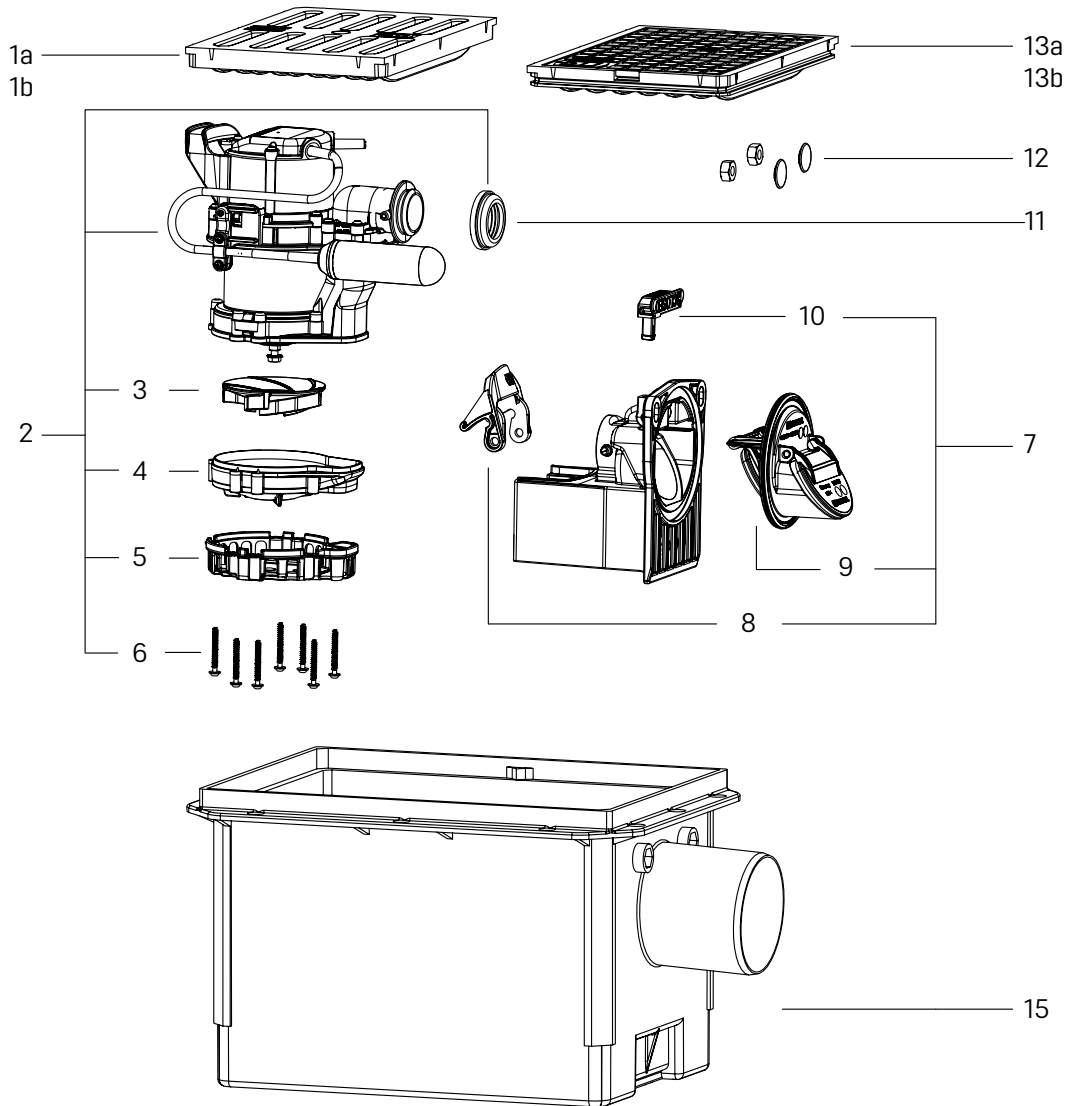
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, black, with drain and seal	83 046	8	Intake cage for GTF 500	680 770
2	Seal for cover plate 384 × 384 mm	680 025	9	Screw set for intake cage GTF 500	680 769
3	Upper section, height-adjustable up to 180 mm	83 061	10	Flap housing with 2 backwater flaps and emergency closure	680 829
4	Seal for upper section		11	One-handed closure for backflow preventer	680 018
4a	up to model year 06/2014	680 026	12	Slide-in flap housing with two backwater flaps	680 884
4b	beginning model year 07/2014	680 150	13	Emergency closure lever for flap housing, incl. seals	680 883
5a	Replacement pump GTF 500 with float switch	680 828	14	Seal for pressure pipe connection	680 067
5b	Replacement pump with odour trap and float switch	*	15	Cover plate, tileable with drain and seal	83 055
6	Multi-vane impeller for GTF 500	680 767	16	Odour trap, sealing water height 50 mm	47 200
7	Spiral housing for GTF 500	680 768	17	Backwater valve, module for <i>Pumpfix S</i> with two flaps	28 004**
			18	High-performance grease for backwater valves, 12 g	681 001

* In case of pump replacement, the successor pump (art. no. 680 828) and successor adapter (art. no. 680 829) are required.

** As long as stocks last

Backwater pumping station *Pumpfix S*

Installation in the floor slab, beginning model year 02/2020



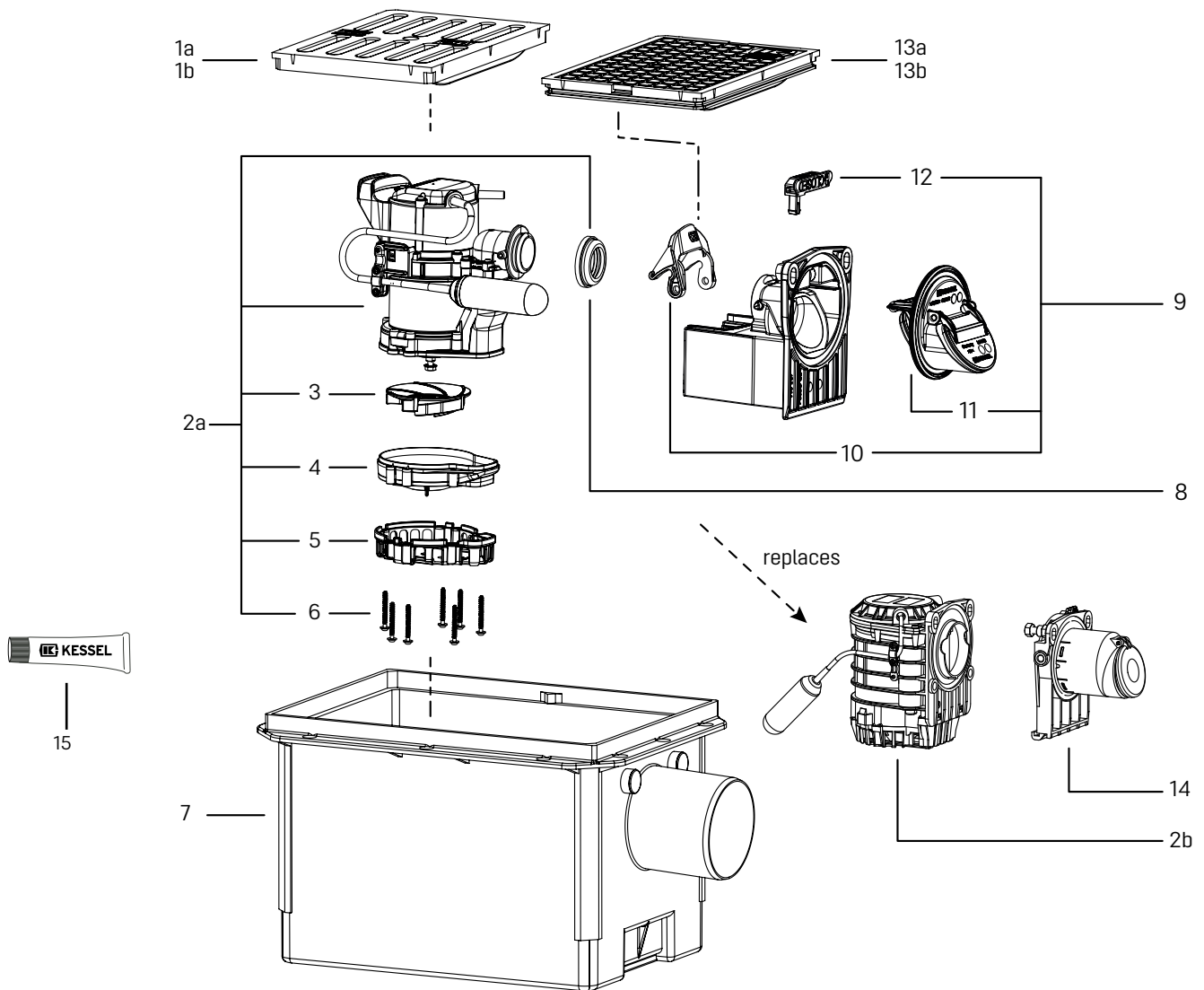
14

Item	Designation	Art. no.
1	Slotted grating	
1a	Polymer, white, 276 × 191 mm	30 001W
1b	made of polymer, black, 276 × 191 mm	30 001S
2	Replacement pump GTF 500 with float switch	680 828
3	Multi-vane impeller for GTF 500	680 767
4	Spiral housing for GTF 500	680 768
5	Intake cage for GTF 500	680 770
6	Screw set for intake cage GTF 500	680 769
7	Flap housing with 2 backwater flaps and emergency closure	680 829
8	One-handed closure for backflow preventer	680 018

Item	Designation	Art. no.
9	Slide-in flap housing with two backwater flaps	680 884
10	Emergency closure lever for flap housing, incl. seals	680 883
11	Seal for pressure pipe connection	680 067
12	Wing and hexagon nut set comprising 2× M8 and 2× M10	680 830
13	Cover plate	
13a	white 276 × 191 mm	30 003W
13b	black 276 × 191 mm	30 003S
14	High-performance grease for backwater valves, 12 g	681 001
15	Base box for Pumpfix S, DN 100	680 763

Backwater pumping station *Pumpfix S*

Installation in the floor slab, up to model year 01/2020



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Slotted grating		8	Seal for pressure pipe connection	680 067
1a	Polymer, white, 276 × 191 mm	30 001W	9	Flap housing with 2 backwater flaps and emergency closure	680 829
1b	made of polymer, black, 276 × 191 mm	30 001S	10	One-handed closure for backflow preventer	680 018
2a	Replacement pump GTF 500 with float switch	680 828	11	Slide-in flap housing with two backwater flaps	680 884
2b	Replacement pump with odour trap and float switch	*	12	Emergency closure lever for flap housing, incl. seals	680 883
3	Multi-vane impeller for GTF 500	680 767	13	Cover plate	
4	Spiral housing for GTF 500	680 768	13a	white 276 × 191 mm	30 003W
5	Intake cage for GTF 500	680 770	13b	black 276 × 191 mm	30 003S
6	Screw set for intake cage GTF 500	680 769	14	Backwater valve, module for <i>Pumpfix S</i> with two flaps	28 004**
7	Grundkörper Größe 3, mit Ablauf DN 100	680 763	15	High-performance grease for backwater valves, 12 g	681 001

* In case of pump replacement, the successor pump (art. no. 680 828) and successor adapter (art. no. 680 829) are required.

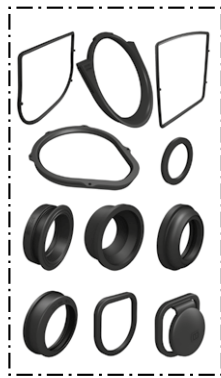
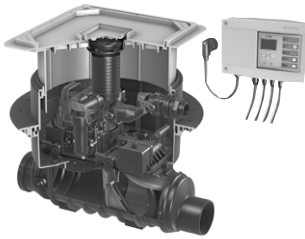
** As long as stocks last

2. Hybrid lifting stations

Backwater lifting station <i>Ecolift</i>	48
Hybrid lifting station <i>Ecolift L FKA Mono/Duo</i>	50
Hybrid lifting station <i>Ecolift L SWA Mono/Duo</i>	51
Technical module <i>Ecolift XL</i>	52
Technical module <i>Ecolift XL</i> for minimum depth installation	54
Engineering chamber system with upper sections	56

Backwater lifting station *Ecolift*

Installation in the floor slab

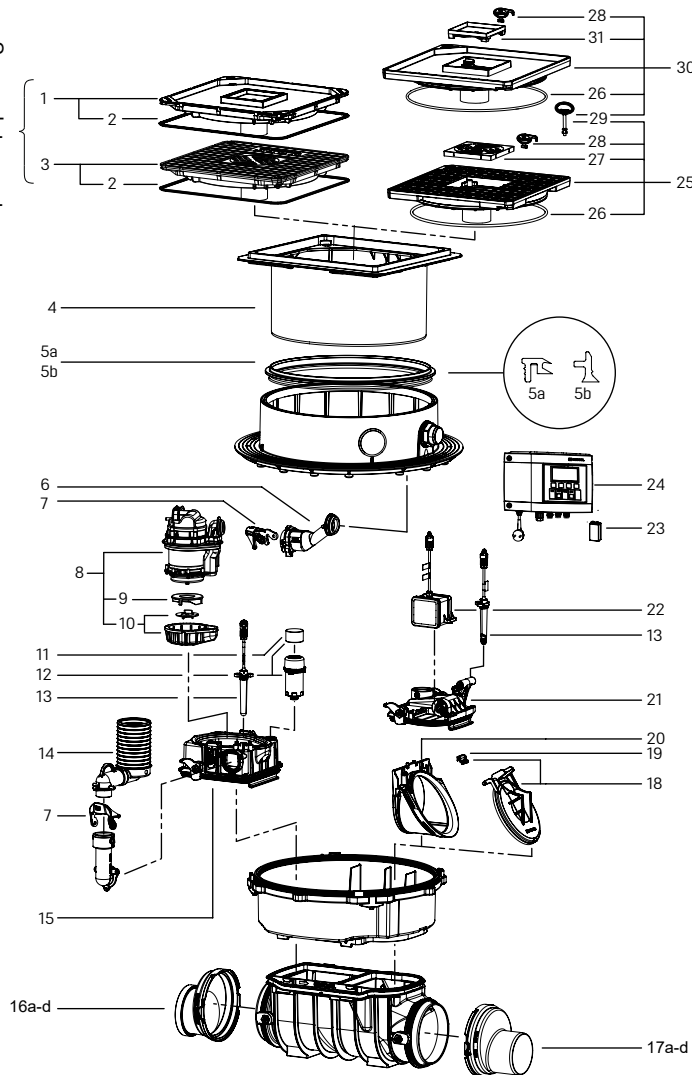


32



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Cover plates up to model year 01/2020



Cover plates beginning model year 02/2020

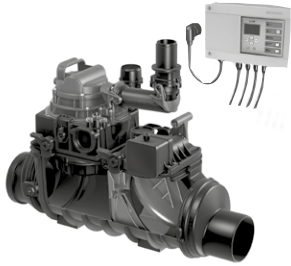
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable with drain, <i>Multistop</i> and seal	83 045	17	Spigot incl. seal	
2	Seal for cover plate 384 × 384 mm	680 025	17a	Ø 110	83 081
3	Cover plate, black with drain, <i>Multistop</i> and seal	83 046	17b	Ø 125	83 082
4	Upper section System 400, lockable, silver grey, beginning model year 02/2020*	830 065	17c	Ø 160	83 083
5a	Seal for upper section up to model year 06/2014	680 026	17d	Ø 200	83 084
5b	Seal for upper section beginning model year 07/2014	680 150	18	Motor-driven backwater flap, with flap holder	80 038
6	Pressure pipe connection <i>Ecolift</i> , installation in the floor slab	680 105	19	Flap holder for motor-driven and mechanical flap	680 101
7	One-handed closure for backflow preventer	680 018	20	Slide-in flap housing for motor-driven flap, with flap holder	80 039
8	Replacement pump KTP/SPZ 1000 230 V, with 5 m cable	28 351	21	Lockabe cover <i>Ecolift</i> , outlet side	21 056
9	Impeller KTP/SPZ 1000, without intake cover	680 035	22	Motor, ready to plug in, 5 m cable	80 076
10	Replacement macerator set	28 075	23	Battery, 2x 9V6LR61	**
11	Activated carbon filter (5 ea.)	28 061	24	Control unit, Comfort 230 V, <i>Ecolift</i> , <i>Pumpfix F</i>	28 071
12	Ventilation with activated carbon filter	28 060	25	Cover plate, black with drain body, <i>Multistop</i> , 366 × 366 mm, beginning 02/2020	830 046
13	Spare parts set, optical probe, 5 m cable with 3 adapters	80 888	26	Seal for cover plate System 330 mm	686 114
14	Connector drain Ø 70, with seal	680 215	27	Slotted insert grating, 138 × 138 mm, polymer	60 101S
15	Lockable cover Comfort, inlet side, with drain connection	28 054	28	Release key for <i>Lock & Lift</i> insert gratings	680 702
16	Socket incl. seal		29	Release key for <i>Lock & Lift</i> cover plates	67 007
16a	Ø 110	83 085	30	Cover plate, tileable with drain body, <i>Multistop</i> , 366 × 366 mm, beginning 02/2020	830 045
16b	Ø 125	83 086	31	Drain cover, tileable, <i>Lock & Lift</i> , ABS	680 224
16c	Ø 160	83 087	32	Seal set for <i>Pumpfix F</i> and <i>Ecolift</i>	70 319
16d	Ø 200	83 088	33	High-performance grease for backwater valves, 12 g	681 001

* Upper sections up to model 01/2020. Discontinued, replaced by upper section 830 065, cover 830 055 or 830 056 needed.

** source locally

Backwater lifting station *Ecolift*

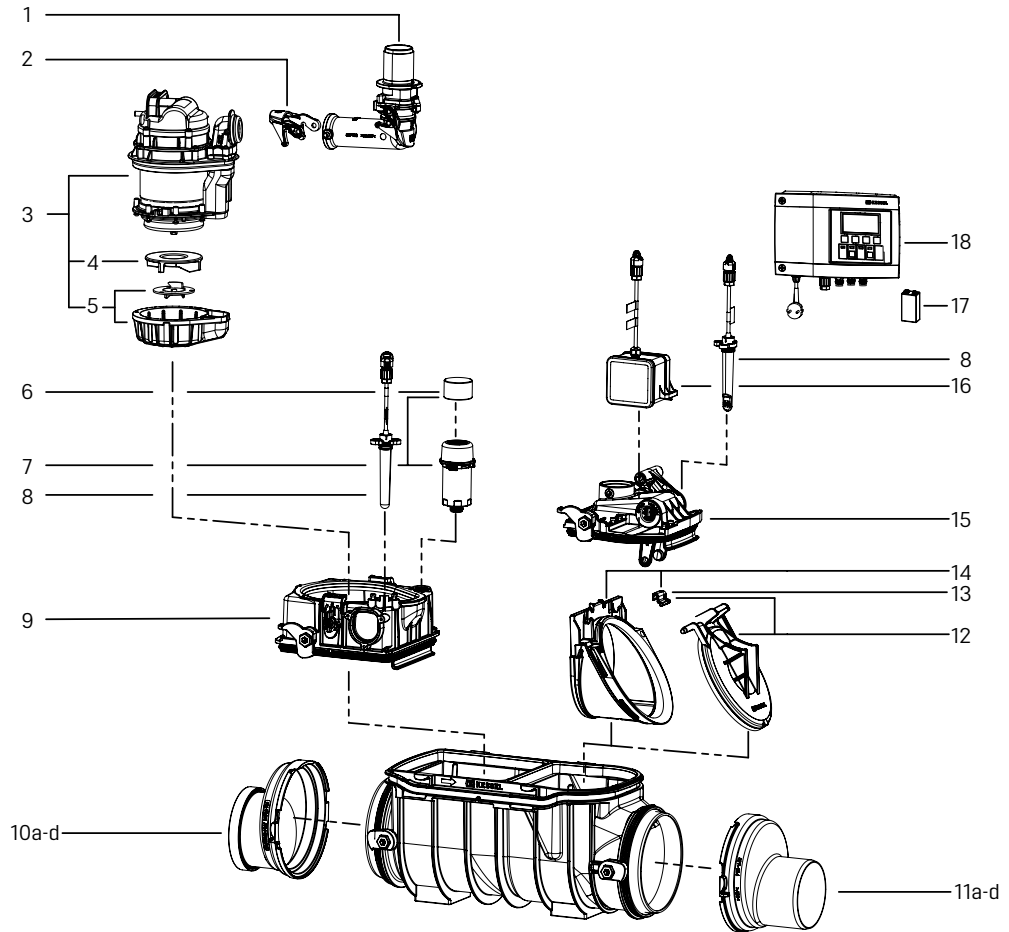
Installation in an exposed wastewater pipe



19



20



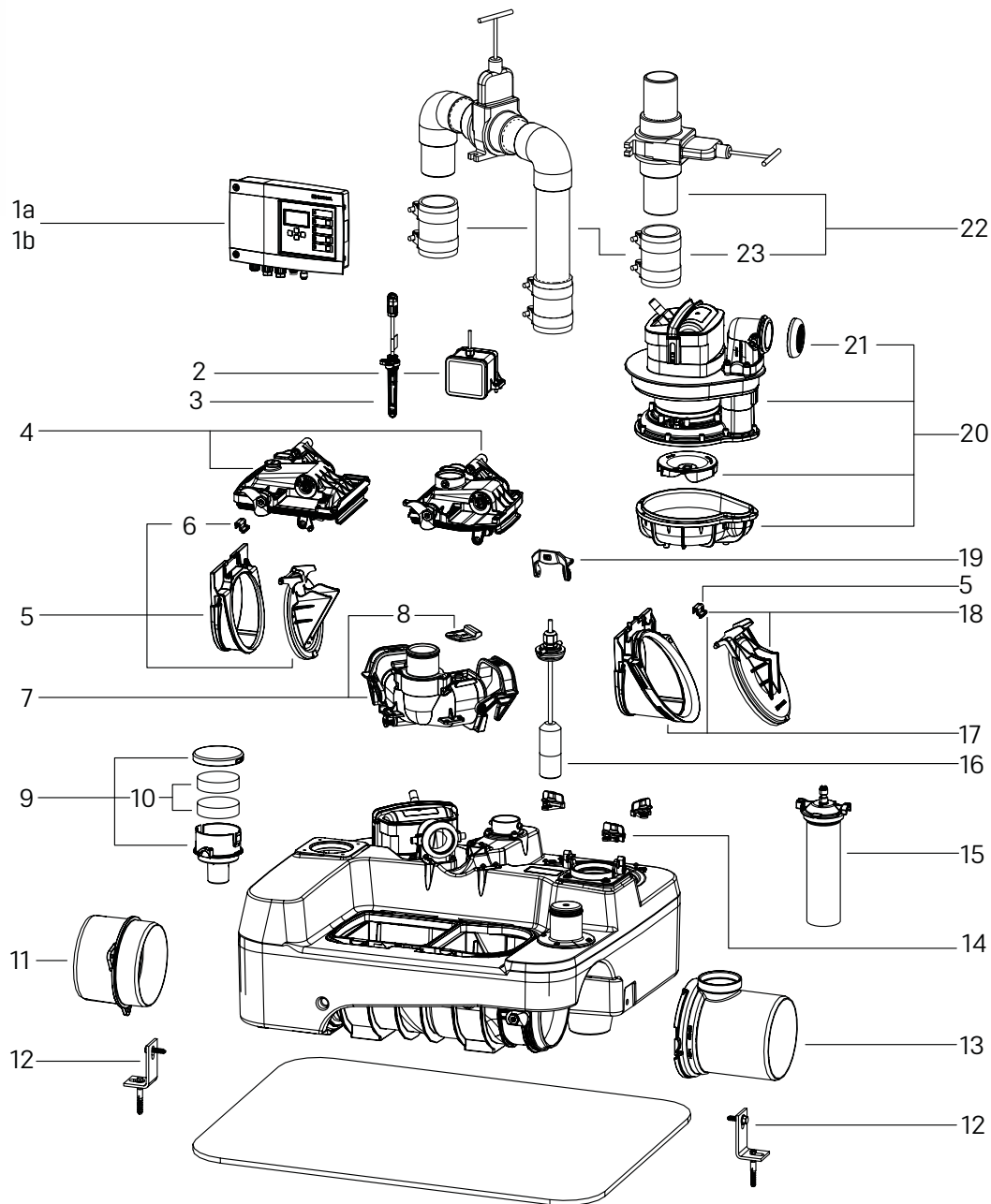
Item	Designation	Art. no.
1	Pressure pipe connection <i>Ecolift</i> , installation in an exposed wastewater pipe	680 102
2	One-handed closure for backflow preventer	680 018
3	Replacement pump KTP/SPZ1000 230 V, with 5 m cable	28 351
4	Impeller KTP/SPZ 1000, without intake cover	680 035
5	Replacement macerator set	28 075
6	Activated carbon filter (5 ea.)	28 061
7	Ventilation incl. activated carbon filter	28 060
8	Spare parts set, optical probe, 5 m cable with 3 adapters	80 888
9	Lockable cover Comfort, inlet side, with drain connection	28 052
10	Socket incl. seal	
10a	Ø 110	83 085
10b	Ø 125	83 086
10c	Ø 160	83 087
10d	Ø 200	83 088

Item	Designation	Art. no.
11	Spigot incl. seal	
11a	Ø 110	83 081
11b	Ø 125	83 082
11c	Ø 160	83 083
11d	Ø 200	83 084
12	Motor-driven backwater flap, with flap holder	80 038
13	Flap holder for motor-driven and mechanical flap	680 101
14	Slide-in flap housing for motor-driven flap, with flap holder	80 039
15	Lockable cover <i>Ecolift</i> , outlet side	21 056
16	Motor, ready to plug in, 5 m cable	80 076
17	Battery, 2x 9V6LR61	*
18	Control unit, Comfort 230 V, <i>Ecolift</i> and <i>Pumpfix F</i>	28 071
19	Seal set for <i>Pumpfix F</i> and <i>Ecolift</i>	70 319
20	High-performance grease for backwater valves, 12 g	681 001

* source locally

Hybrid lifting station *Ecolift L FKA Mono/Duo Bypass*

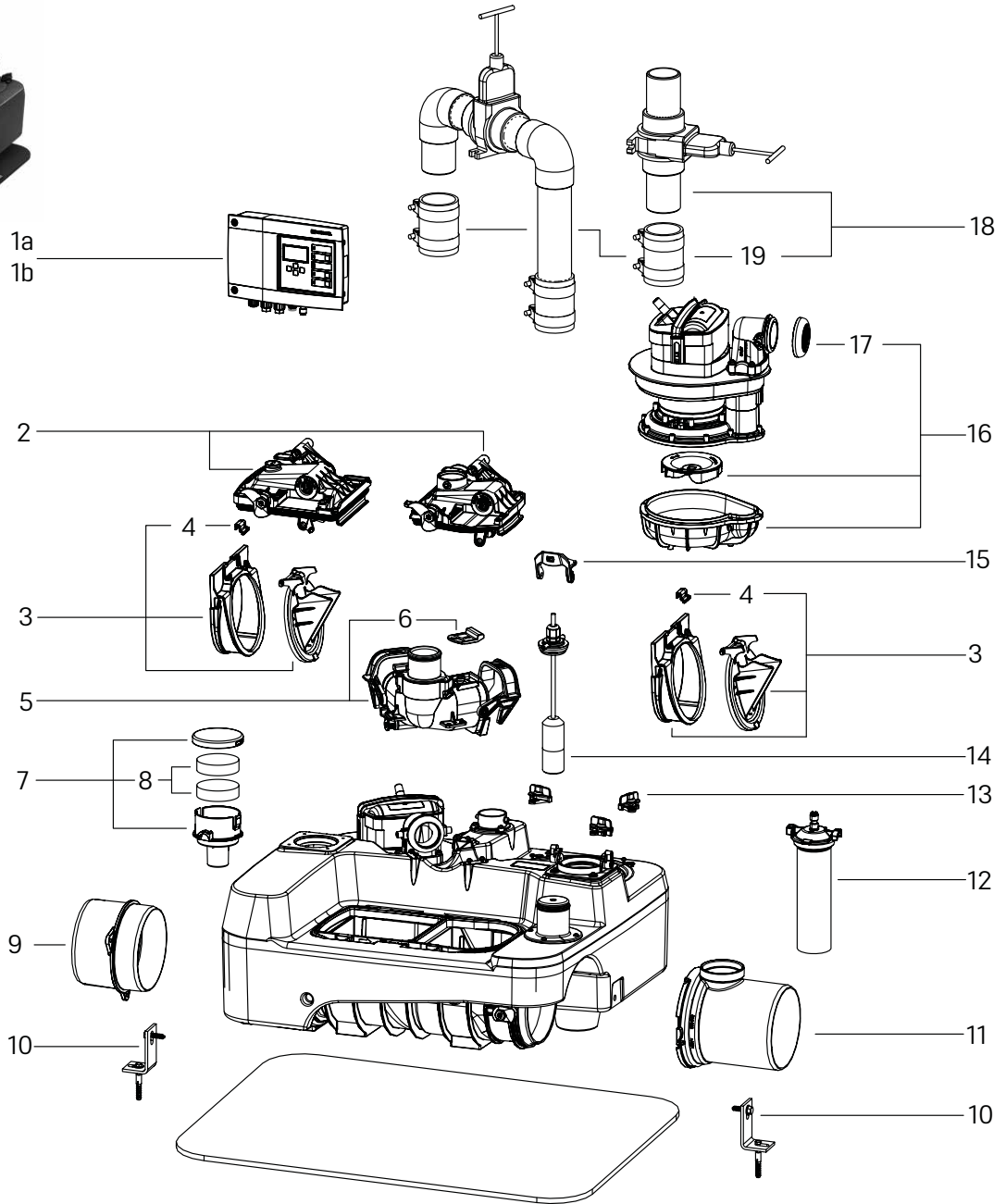
Installation in an exposed wastewater pipe



Item	Designation	Art. no.	Item	Designation	Art. no.
1a	Control unit for <i>Ecolift L Comfort Mono</i>	681 168	12	Fixing set with bracket and screws	681 158
1b	Control unit for <i>Ecolift L Comfort Duo</i>	681 169	13	Outlet socket for <i>Ecolift L</i>	681 157
2	Motor, ready to plug in, 5 m cable	80 076	14	Turn fastener for pumps	680 070
3	Spare parts set, optical probe with 3 adapters, with 5 m cable	80 888	15	Immersion pipe incl. sealing cap, 5 m hose	681 164
4	Lockable cover for <i>Ecolift L FKA</i>	681 155	16	Level sensor for <i>Ecolift L</i>	22 203
5	Slide-in flap housing with mechanical flap and flap holder	80 041	17	Slide-in flap housing for motor-driven flap with flap holder	80 039
6	Flap holder	680 101	18	Motor-driven backwater flap, with flap holder	80 038
7	Y-pipe with flap housing	681 162	19	One-handed closure for backflow preventer	680 018
8	Locking for flap housing	681 163	20	Pump with cable and swivel connection	681 161
9	Active carbon filter incl. housing	681 159	21	Seal for pressure pipe connection	680 067
10	Active carbon filter without housing (1 ea)	681 160	22	Pressure pipe connection for outlet sockets	681 165
11	Inlet socket with seal and screws	681 156	23	Pressure hose DN 63 with 2 hose clamps	681 215

Hybrid lifting station *Ecolift L SWA Mono/Duo Bypass*

Installation in an exposed wastewater pipe

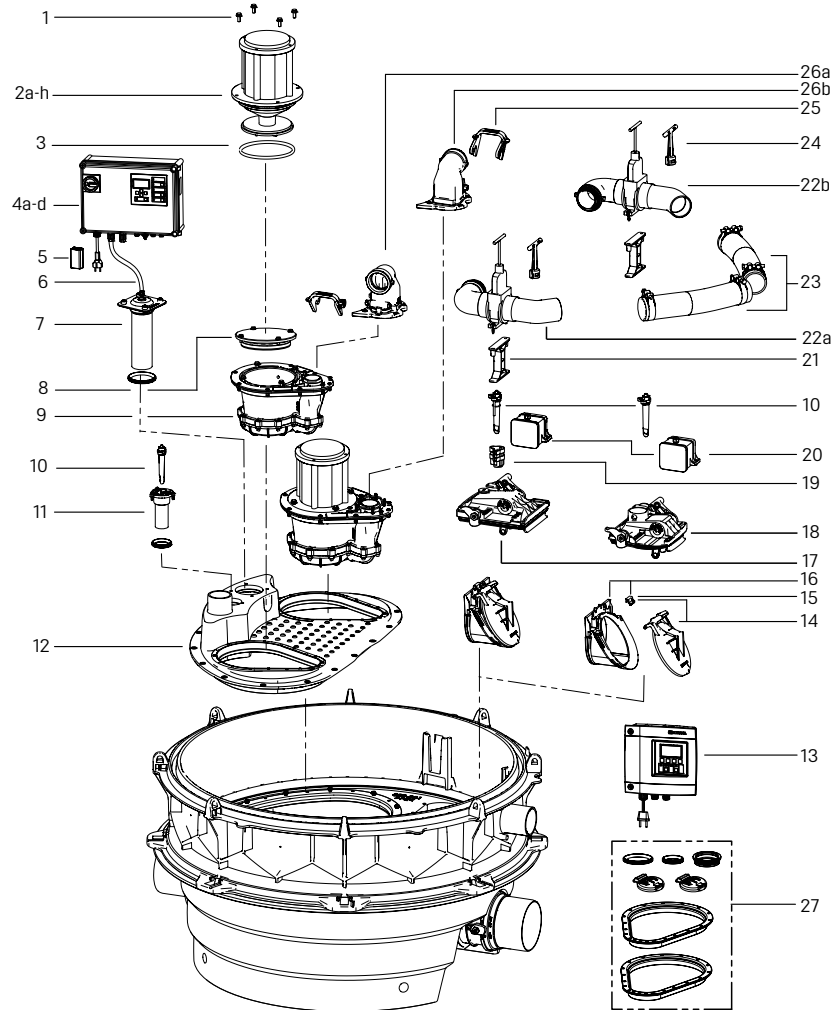
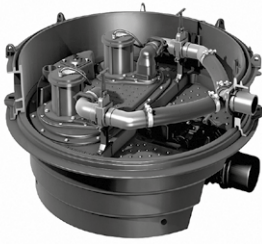


Item	Designation	Art. no.
1a	Control unit for <i>Ecolift L Comfort Mono</i>	681 168
1b	Control unit for <i>Ecolift L Comfort Duo</i>	681 169
2	Lockable cover for <i>Ecolift L SWA</i>	681 154
3	Slide-in flap housing with mechanical flap and flap holder	80 041
4	Flap holder	680 101
5	Y-pipe with flap housing	681 162
6	Locking for flap housing	681 163
7	Active carbon filter incl. housing	681 159
8	Active carbon filter without housing (1 ea)	681 160
9	Inlet socket with seal and screws	681 156

Item	Designation	Art. no.
10	Fixing set with bracket and screws	681 158
11	Outlet socket for <i>Ecolift L</i>	681 157
12	Immersion pipe incl. sealing cap, 5 m hose	681 164
13	Turn fastener for pumps	680 070
14	Level sensor for <i>Ecolift L</i>	22 203
15	One-handed closure for backflow preventer	680 018
16	Pump with cable and swivel connection	681 161
17	Seal for pressure pipe connection	680 067
18	Pressure pipe connection for outlet sockets	681 165
19	Pressure hose DN 63 with 2 hose clamps	681 215

Technical module *Ecolift XL*

Installation in concrete slab / free-standing set-up, with two motor-driven flaps

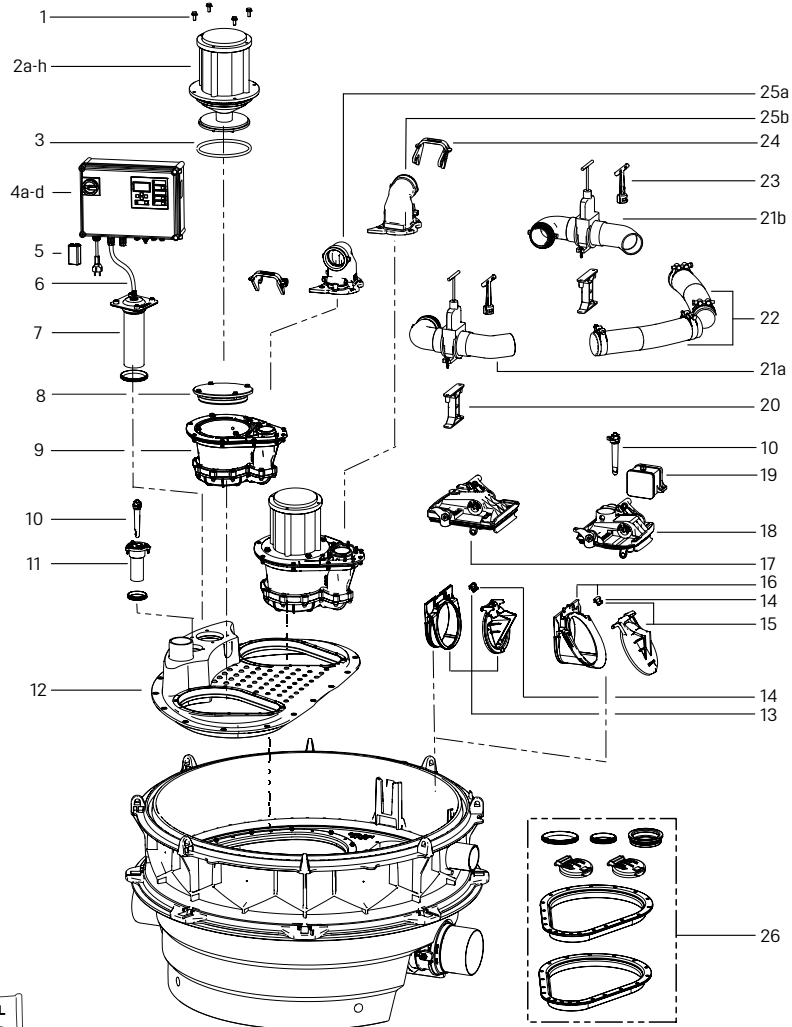
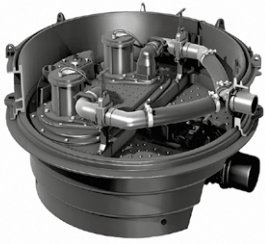


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Srew set for Mono pump	28 609	11	Splash protection set for optical probe	28 706
2	Motor (with 10 m cable)		12	Pump plate	680 399
2a	230 V, SPF 1400 S3	680 218	13	Control unit <i>Ecolift XL</i> Type 6 for redundant closure	28 791
2b	230 V, SPF 1400 S1	680 219	14	Motor-driven backwater flap, with flap holder	80 038
2c	400 V, SPF 1500 S3	680 098	15	Flap holder for motor-driven and mechanical flap	680 101
2d	400 V, SPF 1500 S1	680 445	16	Slide-in flap housing for motor-driven flap, with flap holder	80 039
2e	400 V, SPF 3000 S3	680 221	17	Lockable cover, <i>Ecolift XL</i> inlet side	680 390
2f	400 V, SPF 3000 S1	680 532	18	Lockable cover, <i>Ecolift XL</i> outlet side	680 391
2g	400 V, SPF 4500 S3	680 533	19	Height adapter for <i>Ecolift XL</i> optical probe	680 379
2h	400 V, SPF 4500 S1	680 534	20	Motor for connecting, 10 m cable	680 452
3	Seal for SPF 1400 - SPF 4500	680 052	21	Support rib for shut-off valve, straight support	680 397
4	Control unit		22	Pressure pipe with shut-off valve in flow direction	
4a	Comfort PLUS 400 V 2.5 - 4.0 A	28 786	22a	Right-hand version	680 384
4b	Comfort PLUS 400 V 4.0 - 6.3 A	28 787	22b	Left-hand version	680 383
4c	Comfort PLUS 400 V 6.3 - 10.0 A	28 788	23	Pressure hose <i>Ecolift XL</i>	680 385
4d	Comfort PLUS 230 V 6.3 - 10.0 A	28 790	24	Fastening clip for shut-off valve Ø 63	680 386
5	Battery, 2x 9V6LR61	*	25	One-handed closure, quick-release closure Ø 63	680 380
6	Pressure hose, 6 x 4 mm, 100 natural (sold by the metre)	680 071	26	Backflow preventer with non-return flap	
7	Immersion pipe for <i>Ecolift XL</i> , 180 mm	680 827	26a	in flow direction, right	680 382
8	Cover for pump flange, Ø 220 mm	680 460	26b	in flow direction, left	680 381
9	Pump flange	680 398	27	Seal set <i>Ecolift XL</i>	680 418
10	Spare parts set, optical probe with three adapters, 10 m cable	680 455	28	High-performance grease for backwater valves, 12 g	681 001

* source locally

Technical module *Ecolift XL*

Installation in concrete slab / free-standing set-up, with one motor-driven and one mechanical flap

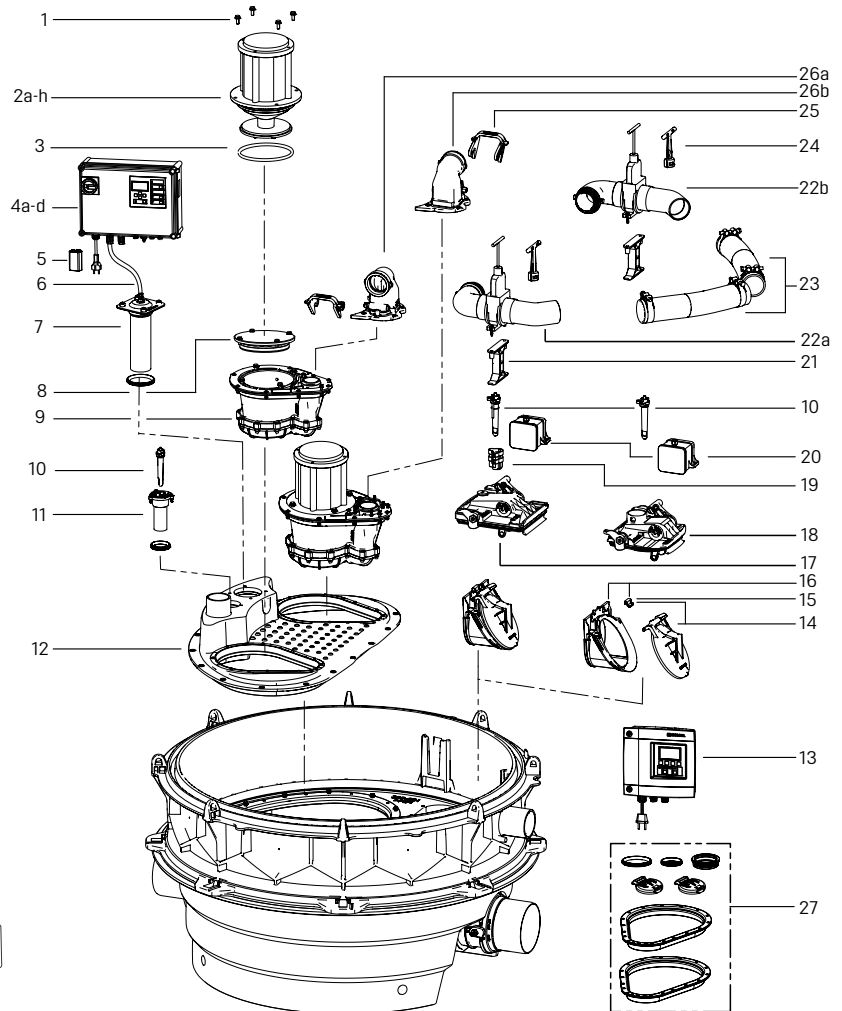
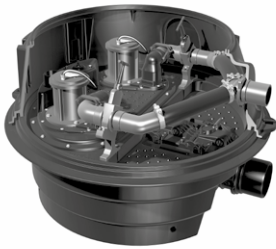


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Screw set for Mono pump	28 609	11	Splash protection set for optical probe	28 706
2	Motor (with 10 m cable)		12	Pump plate	680 399
2a	230 V, SPF 1400 S3	680 218	13	Slide-in flap housing with mechanical flap, flap holder	80 041
2b	230 V, SPF 1400 S1	680 219	14	Flap holder for motor-driven and mechanical flap	680 101
2c	400 V, SPF 1500 S3	680 098	15	Motor-driven backwater flap, with flap holder	80 038
2d	400 V, SPF 1500 S1	680 445	16	Slide-in flap housing for motor-driven flap, with flap holder	80 039
2e	400 V, SPF 3000 S3	680 221	17	Lockable cover, <i>Ecolift XL</i> inlet side	680 394
2f	400 V, SPF 3000 S1	680 532	18	Lockable cover, <i>Ecolift XL</i> outlet side	680 391
2g	400 V, SPF 4500 S3	680 533	18	Motor for connecting, 10 m cable	680 452
2h	400 V, SPF 4500 S1	680 534	20	Support rib for shut-off valve, straight support	680 397
3	Seal for SPF 1400 - SPF 4500	680 052	21	Pressure pipe with shut-off valve in flow direction	
4	Control unit		21a	Right-hand version	680 384
4a	Comfort PLUS 400 V, 2.5 - 4.0 A	28 786	21b	Left-hand version	680 383
4b	Comfort PLUS 400 V, 4.0 - 6.3 A	28 787	22	Pressure hose <i>Ecolift XL</i>	680 385
4c	Comfort PLUS 400 V, 6.3 - 10.0 A	28 788	23	Fastening clip for shut-off valve Ø 63	680 386
4d	Comfort PLUS 230 V, 6.3 - 10.0 A	28 790	24	One-handed closure, quick-release closure Ø 63	680 380
5	Battery, 2x 9V6LR61	*	25	Backflow preventer with non-return flap	
6	Pressure hose, 6x4 mm 100 natural (sold by the metre)	680 071	25a	in flow direction, right	680 382
7	Immersion pipe for <i>Ecolift XL</i> , 180 mm	680 827	25b	in flow direction, left	680 381
8	Cover for pump flange, Ø 220 mm	680 460	26	Seal set <i>Ecolift XL</i>	680 418
9	Pump flange	680 398	27	High-performance grease for backwater valves, 12 g	681 001
10	Spare parts set, optical probe with three adapters, 10 m cable	680 455			

* source locally

Technical module *Ecolift XL*

Minimum depth installation in concrete slab, with two motor-driven flaps

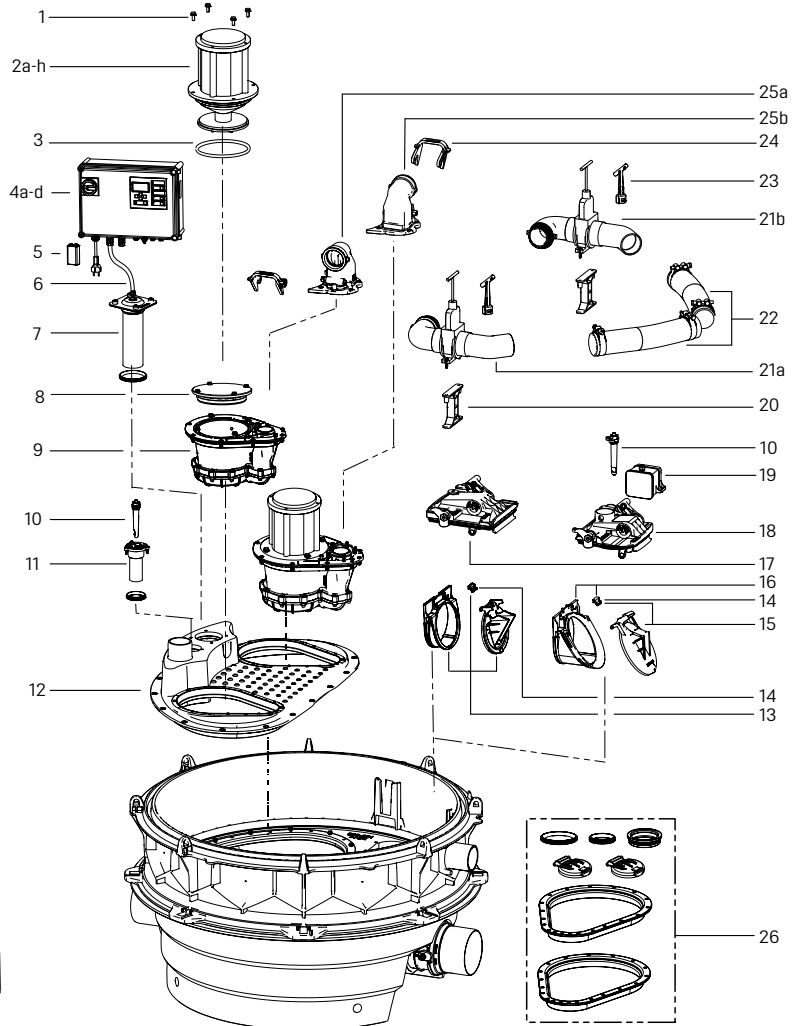


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Screw set for Mono pump	28 609	11	Splash protection set for optical probe	28 706
2	Motor (with 10 m cable)		12	Pump plate	680 399
2a	230 V, SPF 1400 S3	680 218	13	Control unit <i>Ecolift XL</i> Type 6 for redundant closure	28 791
2b	230 V, SPF 1400 S1	680 219	14	Motor-driven backwater flap, with flap holder	80 038
2c	400 V, SPF 1500 S3	680 098	15	Flap holder for motor-driven and mechanical flap	680 101
2d	400 V, SPF 1500 S1	680 445	16	Slide-in flap housing for motor-driven flap, with flap holder	80 039
2e	400 V, SPF 3000 S3	680 524	17	Lockable cover, <i>Ecolift XL</i> inlet side	680 390
2f	400 V, SPF 3000 S1	680 444	18	Lockable cover, <i>Ecolift XL</i> outlet side	680 391
2g	400 V, SPF 4500 S3	680 442	19	Height adapter for <i>Ecolift XL</i> optical probe	680 379
2h	400 V, SPF 4500 S1	680 443	20	Motor for connecting, 10 m cable	680 452
3	Seal for SPF 1400 - SPF 4500	680 052	21	Support rib for shut-off valve, slanted support	680 397
4	Control unit		22	Pressure pipe with shut-off valve in flow direction	
4a	Comfort PLUS 400 V 2.5 - 4.0 A	28 786	22a	Sloped right-hand version	680 384
4b	Comfort PLUS 400 V 4.0 - 6.3 A	28 787	22b	Sloped left-hand version	680 383
4c	Comfort PLUS 400 V 6.3 - 10.0 A	28 788	23	Pressure hose Ø 63, L: 367 mm	680 385
4d	Comfort PLUS 230 V 6.3 - 10.0 A	28 790	24	Fastening clip for shut-off valve Ø 63	680 386
5	Battery, 2x 9V6LR61	*	25	One-handed closure, quick-release closure Ø 63	680 380
6	Pressure hose, 6x4 mm 100 natural (sold by the metre)	680 071	26	Backflow preventer with non-return flap	
7	Immersion pipe for <i>Ecolift XL</i> , 180 mm	680 827	26a	in flow direction, right	680 382
8	Cover for pump flange, d: 220 mm	680 460	26b	in flow direction, left	680 381
9	Pump flange	680 398	27	Seal set <i>Ecolift XL</i>	680 418
10	Spare parts set, optical probe with three adapters, 10 m cable	680 455	28	High-performance grease for backwater valves, 12 g	681 001

* source locally

Technical module *Ecolift XL*

Minimum depth installation in the concrete slab, with a motor-driven and a mechanical flap



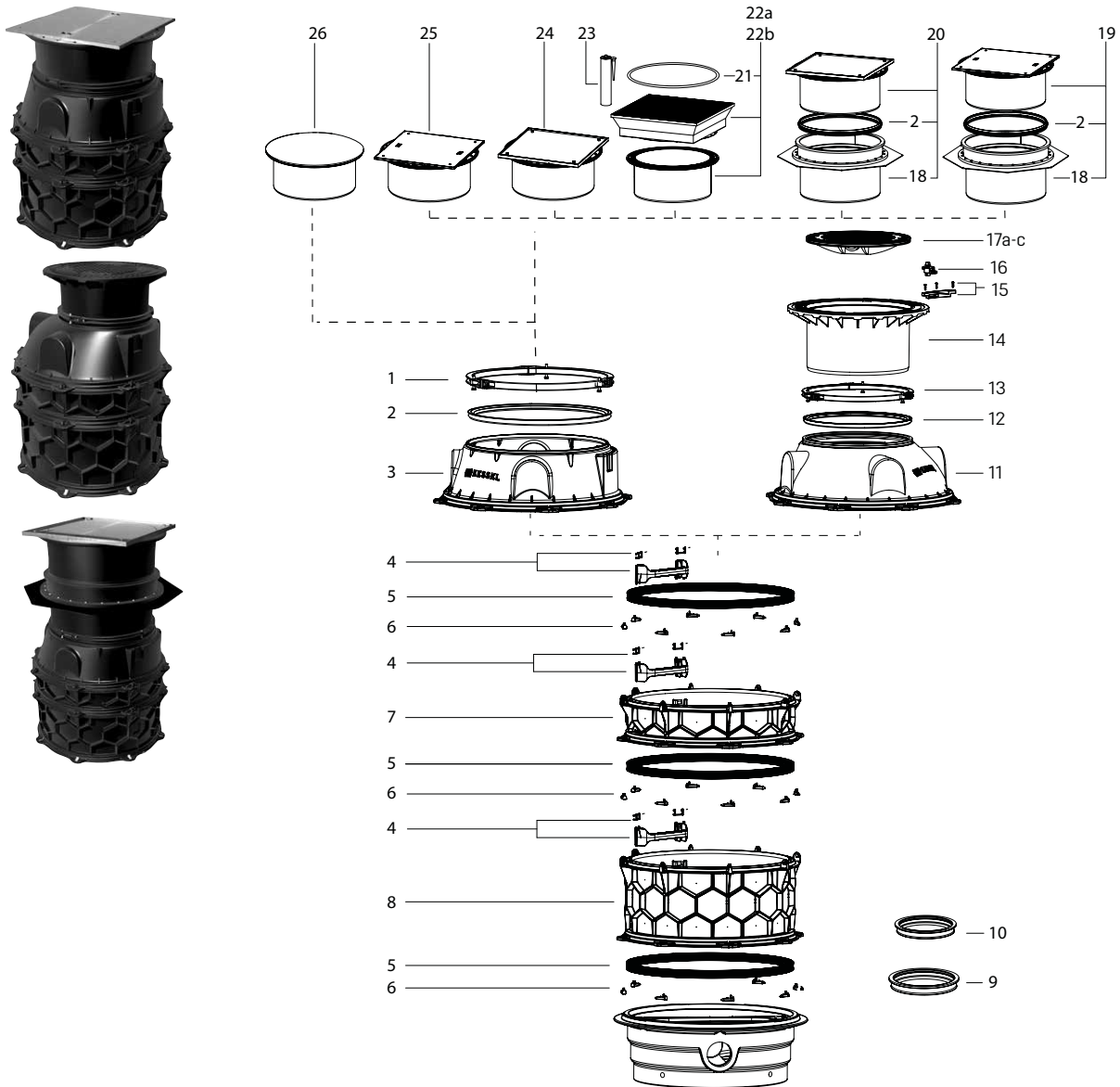
Item	Designation	Art. no.
1	Srew set for Mono pump	28 609
2	Motor (with 10 m cable)	
2a	230 V, SPF 1400 S3	680 218
2b	230 V, SPF 1400 S1	680 219
2c	400 V, SPF 1500 S3	680 098
2d	400 V, SPF 1500 S1	680 445
2e	400 V, SPF 3000 S3	680 524
2f	400 V, SPF 3000 S1	680 444
2g	400 V, SPF 4500 S3	680 442
2h	400 V, SPF 4500 S1	680 443
3	Seal for SPF 1400 - SPF 4500	680 052
4	Control unit	
4a	Comfort PLUS 400 V 2.5 - 4.0 A	28 786
4b	Comfort PLUS 400 V 4.0 - 6.3 A	28 787
4c	Comfort PLUS 400 V 6.3 - 10.0 A	28 788
4d	Comfort PLUS 230 V 6.3 - 10.0 A	28 790
5	Battery, 2x 9V6LR61	*
6	Pressure hose, 6x4 mm 100 natural (sold by the metre)	680 071
7	Immersion pipe for <i>Ecolift XL</i> , 180 mm	680 827
8	Cover for pump flange, d: 220 mm	680 460
9	Pump flange	680 398
10	Spare parts set, optical probe with three adapters, 10 m cable	680 455

Item	Designation	Art. no.
11	Splash protection set for optical probe	28 706
12	Pump plate	680 399
13	Slide-in flap housing with mechanical flap, flap holder	80 041
14	Flap holder for motor-driven and mechanical flap	680 101
15	Motor-driven backwater flap, with flap holder	80 038
16	Slide-in flap housing for motor-driven flap, with flap holder	80 039
17	Lockable cover, <i>Ecolift XL</i> inlet side	680 394
18	Lockable cover, <i>Ecolift XL</i> outlet side	680 391
18	Motor for connecting, 10 m cable	680 452
20	Support rib for shut-off valve, slanted support	680 397
21	Pressure pipe with shut-off valve in flow direction	
21a	Sloped right-hand version	680 384
21b	Sloped left-hand version	680 383
22	Pressure hose Ø 63, L: 367 mm	680 385
23	Fastening clip for shut-off valve Ø 63	680 386
24	One-handed closure, quick-release closure Ø 63	680 380
25	Backflow preventer with non-return flap in flow direction	
25a	in flow direction, right	680 382
25b	in flow direction, left	680 381
26	Seal set <i>Ecolift XL</i>	680 418
27	High-performance grease for backwater valves, 12 g	681 001

* source locally

Engineering chamber system

Installation in the ground



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Clamping ring for upper sections, Ø 800 mm	680 568	17	Cover plate**	
2	Seal for chamber module Ø 1000, Ø 800 mm	680 375	17a	class B, made of grey cast iron	860 118
3	Chamber taper section Ø 800 chamber module access	680 430	17b	class D, made of grey cast iron, locked, up to model year 10/2022	860 136
4	Hook-in access step for chamber module with protection	680 376	17c	class D, made of grey cast iron, Lock & Lift, beginning model year 11/2022	860 160
5	Seal for intermediate section	680 125	18	Waterproof extension with sealing mat, for chamber module	680 378
6	Connection bolt set (10 ea.)	680 373	19	Upper section with cover plate Ø 800 with waterproof flange, cl. A/L 15 *	874 01 78
7	Intermediate section 250 mm with access steps incl. protection	680 370	20	Upper section with cover plate Ø 800 tileable with waterproof flange, class K3 *	874 01 76
8	Intermediate section 500 mm with access steps incl. protection	680 371	21	Seal for upper section	680 836
9	Conduit pipe seal, Ø 110	850 117	22	Upper section with cover plate, square, Ø 800	
10	Conduit pipe seal, Ø 75	850 116	22a	for class B	874 01 79
11	Chamber taper section Ø 600 chamber module access	680 431	22b	for class D	874 01 80
12	Seal for chamber module, Ø 600 mm	680 374	23	Glue for seal (Item 21)	680 940
13	Clamping ring for upper sections Ø 600 mm	680 276	24	Upper section with cover plate Ø 800 tileable, class K 3 *	874 01 75
14	Upper section Ø 600 mm, beginning model year 11/2022**	860 153	25	Upper section with cover plate Ø 800, class A/L 15*	874 01 77
15	Insert for Lock&Lift including three screws for upper section LW 600	681 032	26	Upper section with cover plate Ø 800, round, class K3*	874 01 81
16	Turn fastener for upper section LW 600, violet Polymer	681 033			

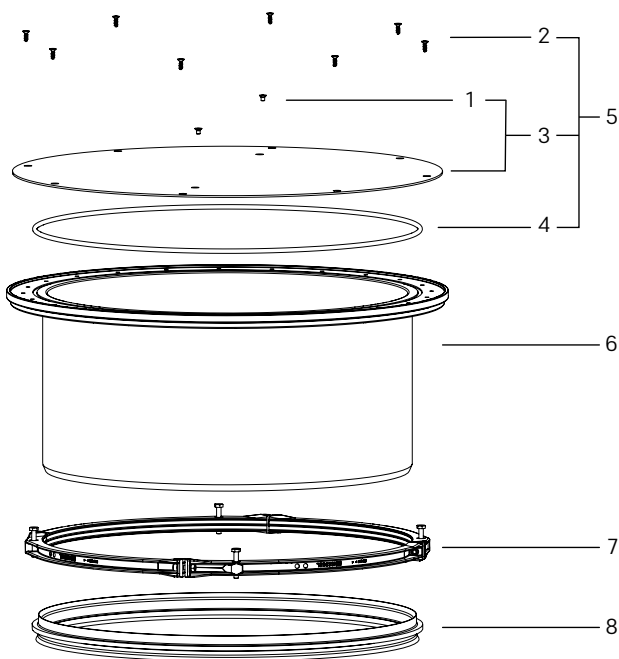
* For spare parts for upper sections, see following pages

** Upper section up to model year 10/2022 not compatible with Lock&Lift covers. Upper section beginning model year 10/2022 compatible with and without Lock&Lift covers

Upper sections for engineering chamber system

Upper section with cover plate Ø 800 round, class K3

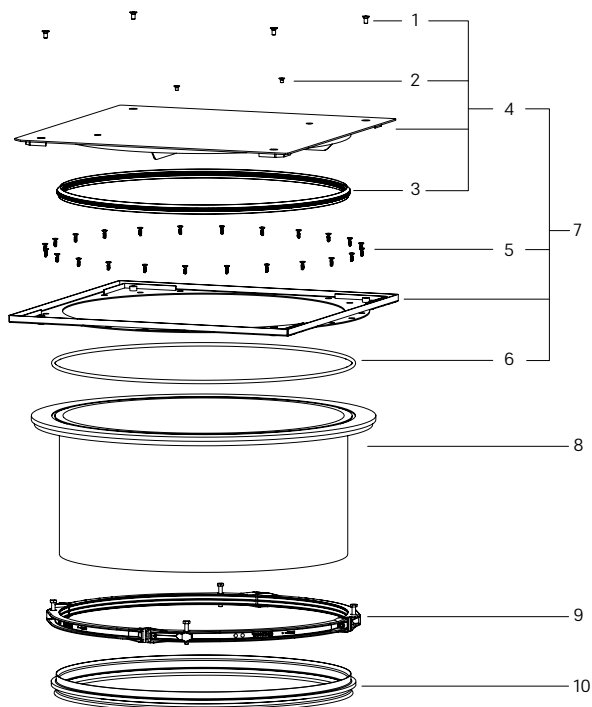
Art. no. 874 01 81



Item	Designation	Art. no.
1	Set of 2 countersunk screws M8 × 12, A4	680 661
2	Set of 8 screws, for upper section, K80 × 22, A2	680 664
3	Cover plate, round, K 3, incl. 2 screws	680 660
4	Seal for upper section, Ø 870 mm	680 655
5	Cover plate, round, K 3, incl. 10 screws, seal	680 659
6	Upper section Ø 800 round, screwed	681 089
7	Clamping ring for upper sections, Ø 800 mm	680 568
8	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375

Upper section with cover plate Ø 800, class A/L 15

Art. no. 874 01 77

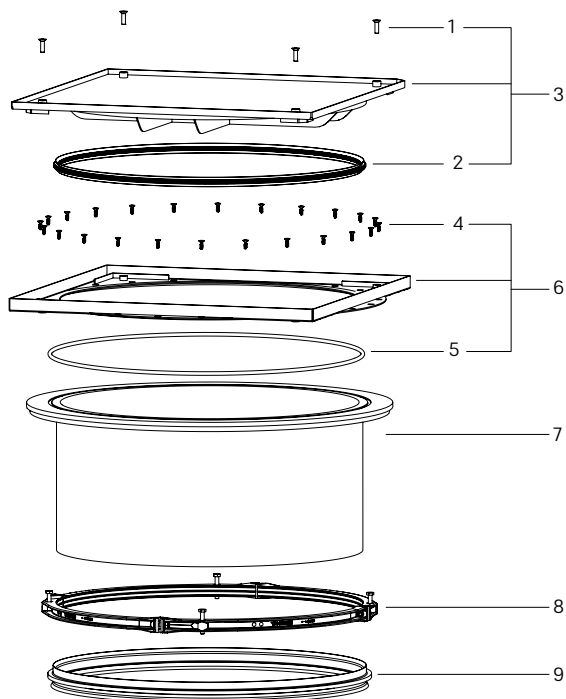


Item	Designation	Art. no.
1	Set of 4 countersunk screws M10 × 20, A4	680 663
2	Set of 2 countersunk screws M8 × 12, A4	680 661
3	Seal for cover plate Ø 840 mm	680 653
4	Cover plate L 15, incl. 6 screws, seal	680 662
5	Set of 24 screws for upper section, K80 × 22, A2	680 654
6	Seal for upper section, Ø 870 mm	680 655
7	Cover plate L 15, incl. 30 screws, seal	680 658
8	Upper section Ø 800 round	681 090
9	Clamping ring for upper sections, Ø 800 mm	680 568
10	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375

Upper sections for engineering chamber system

Upper section with cover plate Ø 800 tileable, class K 3

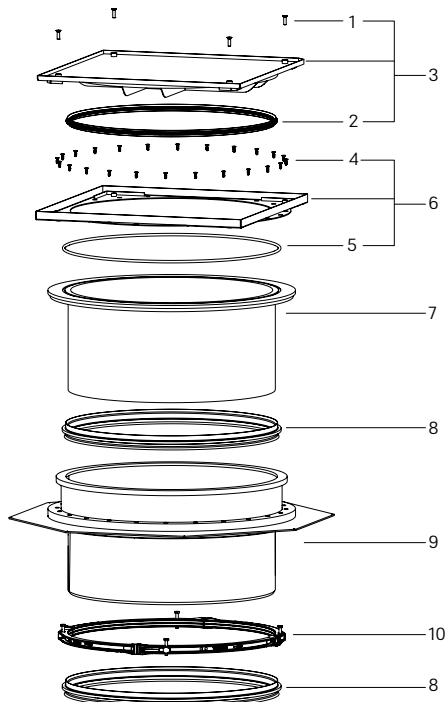
Art. no. 874 0175



Item	Designation	Art. no.
1	Set of 4 countersunk screws M10 × 35, A4	680 593
2	Seal for cover plate Ø 840 mm	680 653
3	Cover plate K 3, incl. 4 screws, seal	680 657
4	Set of 24 screws for upper section, K80 × 22, A2	680 654
5	Seal for upper section, Ø 870 mm	680 655
6	Cover plate frame, K 3, 24 screws, seal	680 656
7	Upper section Ø 800 round	681 090
8	Clamping ring for upper sections, Ø 800 mm	680 568
9	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375

Upper section with cover plate Ø 800 tileable with waterproof flange, class K3

Art. no. 874 0176

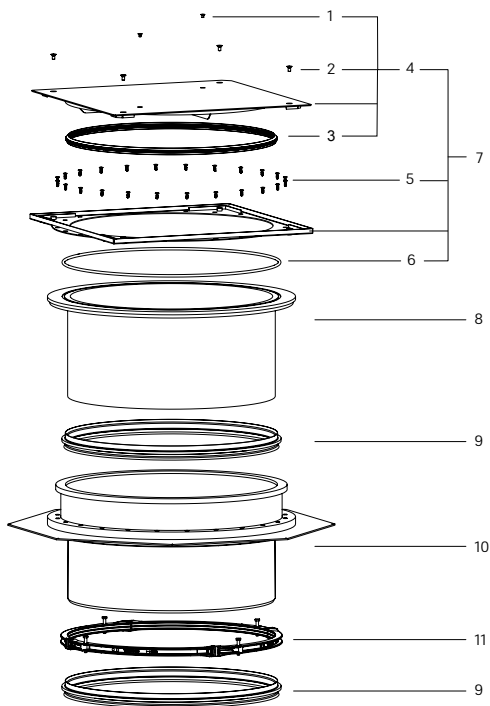


Item	Designation	Art. no.
1	Set of 4 countersunk screws M10 × 35, A4	680 593
2	Seal for cover plate Ø 840 mm	680 653
3	Cover plate K 3, incl. 4 screws, seal	680 657
4	Set of 24 screws for upper section, K80 × 22, A2	680 654
5	Seal for upper section, Ø 870 mm	680 655
6	Cover plate frame, K 3, 24 screws, seal	680 656
7	Upper section Ø 800 round	681 090
8	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375
9	Waterproof extension with sealing mat, for chamber module	680 378
10	Clamping ring for upper sections, Ø 800 mm	680 568

Upper sections for engineering chamber system

Upper section with cover plate Ø 800 with waterproof flange, class A/L 15

Art. no. 874 01 78



Item	Designation	Art. no.
1	Set of 4 countersunk screws M10 × 20, A4	680 663
2	Set of 2 countersunk screws M8 × 12, A4	680 661
3	Seal for cover plate Ø 840 mm	680 653
4	Cover plate L 15, incl. 6 screws, seal	680 662
5	Set of 24 screws for upper section, K80 × 22, A2	680 654
6	Seal for upper section, Ø 870 mm	680 655
7	Cover plate L 15, incl. 30 screws, seal	680 658
8	Upper section Ø 800 round	681 090
9	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375
10	Waterproof extension with sealing mat, for chamber module	680 378
11	Clamping ring for upper sections, Ø 800 mm	680 568

3. Pump technology

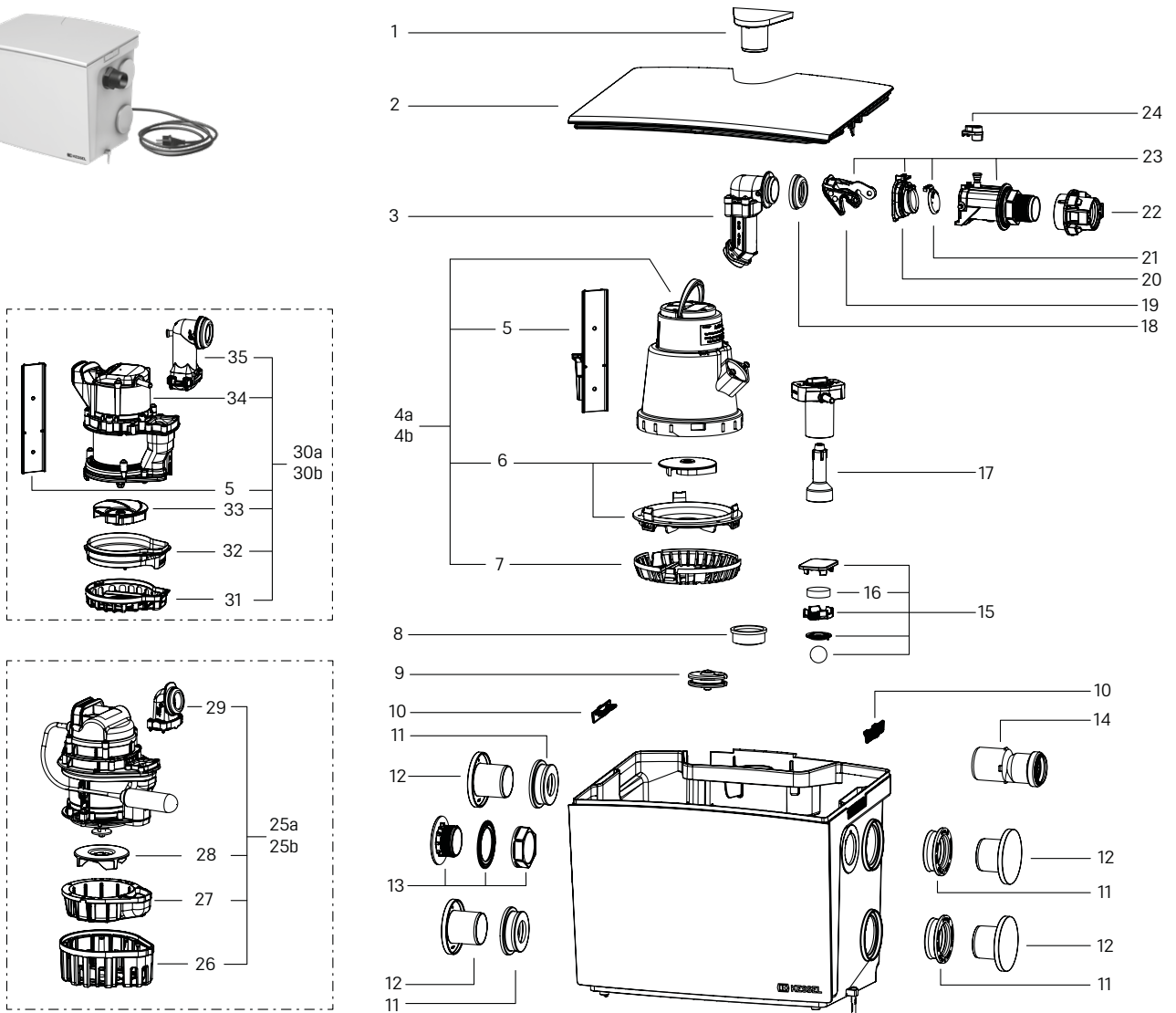
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Lifting station <i>Aqualift S</i>	67	Pumping station <i>Aquapump XL</i> in the chamber system **	92
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* Rebranding launched in 2024. See product pages for legacy brand names.

** Rebranding launched in 2022. See product pages for legacy brand names.

Lifting station *Minilift S*

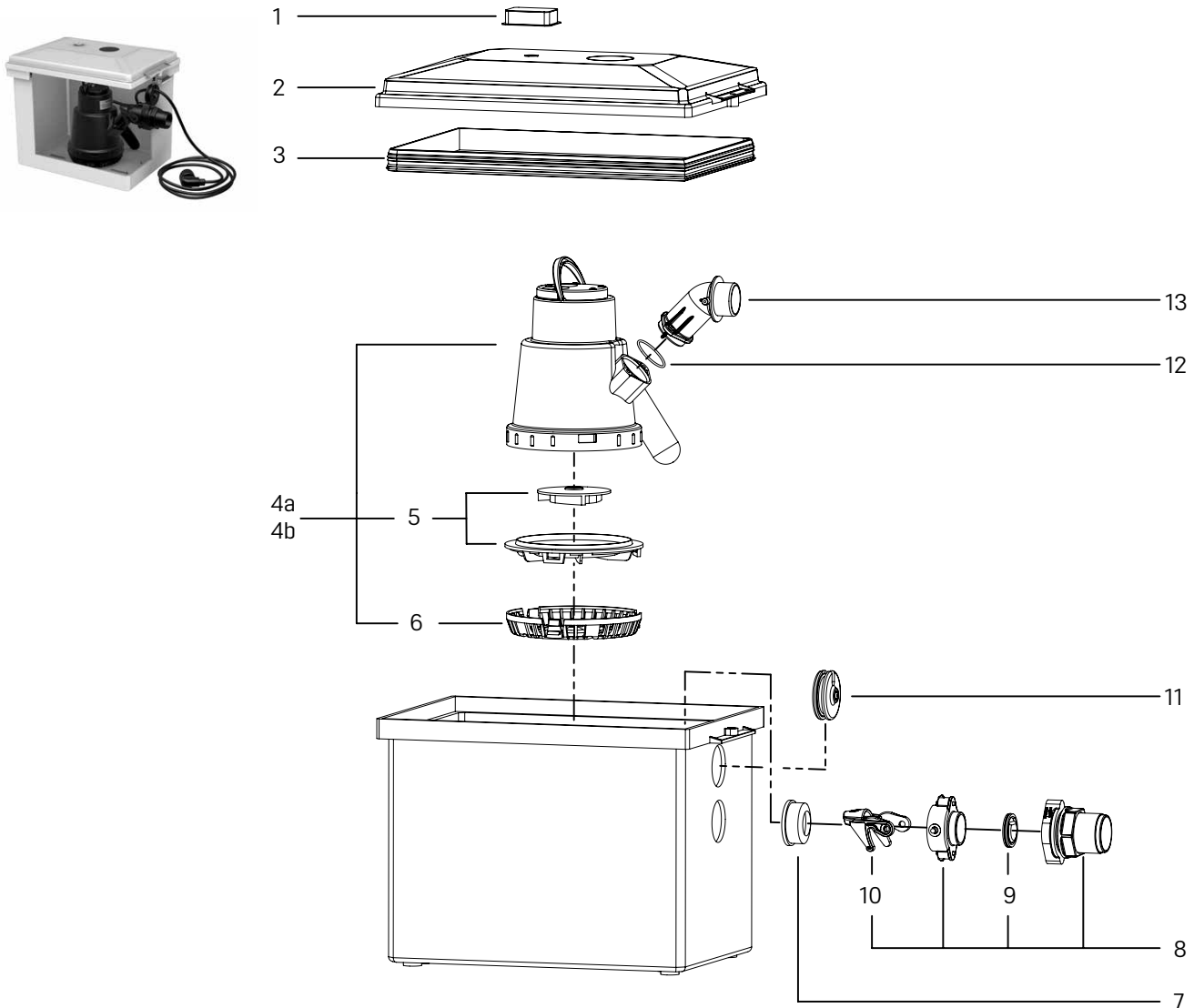
Free-standing installation, beginning model year 03/2023



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Inlet DN40 cover incl. seal	681 061	19	Locking lever	681 063
2	<i>Minilift S</i> Cover	681 060	20	Pump connection	681 064
3	Pump coupling pre-1995 model GTF, size 3	681 118	21	Backflow preventer DN32	681 062
4a	Replacementpump KTP 300	681 073	22	Threaded connection adapter for pressure pipe set DN 32 and DN 40	680 885
4b	Replacementpump KTP 300 resistant	681 074	23	Pressure pipe connection	681 065
5	Float switch rail with fixing	681 068	24	Turn fastener for pump connection lock	680 762
6	Flügelrad-Austauschset für KTP 300	28 039	25a	Replacement GTF1000 pump	681 077
7	Intake cage with push-fit fastener, for KTP 300	680 013	25b	Replacement GTF1000 pump resistant	681 078
8	Pump seal Ø 40	680 020	26	Intake cage KTP 1000 for faecal-free wastewater, 10 mm	680 361
9	Cable accessories, seal for <i>Minilift</i>	680 021	27	Spiral housing for KTP 1000, ball pass. 10 mm, beginning model year 04/2014	680 364
10	Locking set <i>Minilift</i>	681 072	28	Impeller for GTF 1200, ball passage 30 mm, without spiral housing	680 366
11	Pipe sealing gasket DN 50	850 114	29	Pressure pipe connection, pivoted for GTF 1200 and SPZ 1000	680 793
12	Inlet DN50 cover	681 079	30a	Replacement GTF500 pump	681 075
13	Pressure pipe connection cover	681 066	30b	Replacement GTF500 pump, resistant	681 076
14	Adapter DN 40/50	681 111	31	Intake cage GTF 500	681 082
15	Vent valve	681 071	32	Spiralgehäuse	681 081
16	Filter insert, 5 each	681 070	33	Multi-vane impeller for GTF 500 and GTF 500 resistant	680 767
17	Float	681 069	34	KTP 500 cover with Float Switch	681 067
18	Seal for pressure pipe connection	680 067	35	Pump coupling for GTF500	681 080

Lifting station *Minilift S*

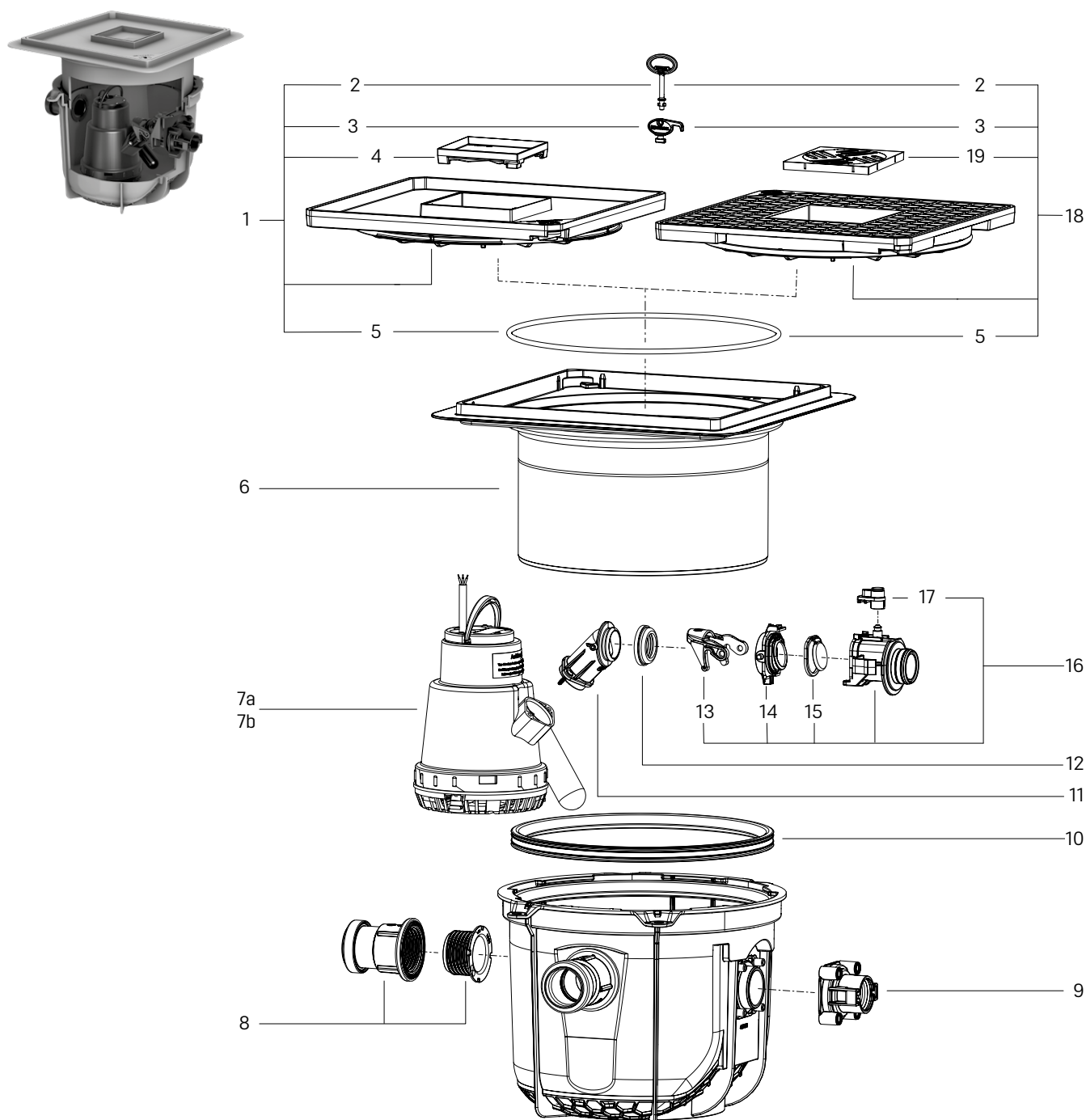
Free-standing installation, up to model year 03/2023



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Activated carbon filter with fixing clamp	27 208	7	Pump seal Ø 40	680 020
2	Cover with polymer screws and knurled nuts	28 036	8	Pump locking set, Mono, with one-handed closure	28 031
3	Seal for cover	680 019	9	Non-return flap	27 207
4a	Replacement pump KTP 300	28 836	10	One-handed closure for backflow preventer	680 018
4b	Replacement pump KTP 300 resistant	680 954	11	Cable accessories, seal for <i>Minilift</i>	680 021
5	Impeller KTP 300, with intake cover	28 039	12	Seal, O-ring for pressure pipe connection	680 014
6	Intake cage with push-fit fastener, for KTP 300	680 013	13	pressure pipe connection for pump, <i>Minilift</i>	680 017

Lifting station *Minilift S*

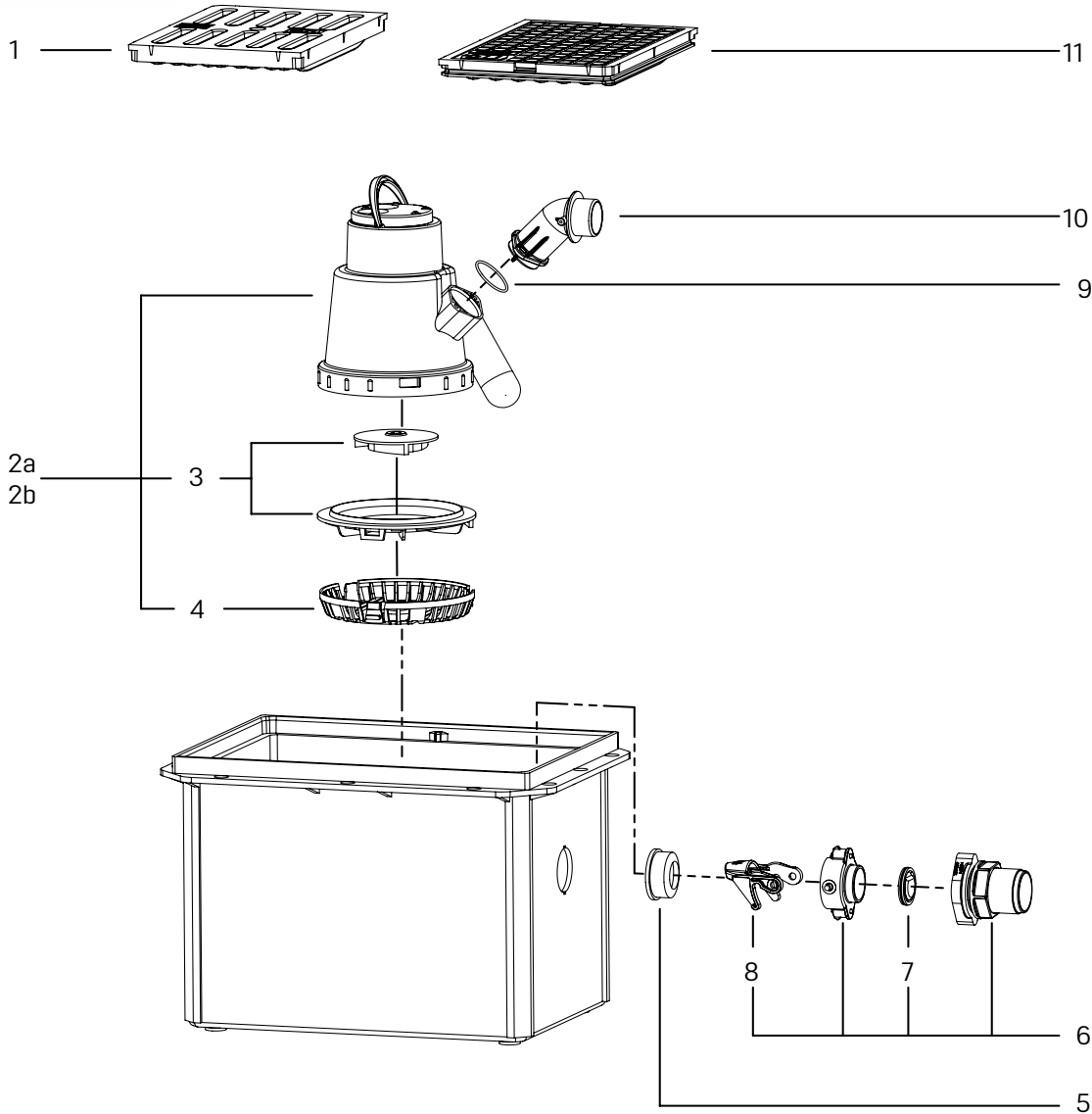
Installation in the floor slab, beginning model year 03/2019



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, with drain, stone grey, with seal	830 054	10	Lip seal System 330 mm	686 115
2	Release key for <i>Lock & Lift</i> cover plates	67 007	11	Pressure pipe connection	680 759
3	Release key for <i>Lock & Lift</i> insert gratings	680 702	12	Seal for pressure pipe connection	680 067
4	Drain cover, tileable, <i>Lock & Lift</i> , ABS	680 224	13	One-handed closure for backflow preventer	680 018
5	Seal for cover plate, System 330 mm	686 114	14	Pump connection	680 760
6	Upper section, d: 300 mm, height up to 170 mm	830 061	15	Seal for pump coupling with flap	680 475
7a	Replacement pump KTP 300	28 836	16	Flap housing, Mono, with pump connection	680 761
7b	Replacement pump KTP 300 resistant	680 955	17	Turn fastener for pump connection lock	680 762
8	Inlet connection made of polymer Ø 50	39 005	18	Cover plate, black, with slotted grating and seal	830 053
9	Pressure pipe connection with screws	680 758	19	Slotted insert grating, 138 × 138 mm, polymer	60 1015

Lifting station *Minilift S*

Installation in the floor slab, up to model year 02/2019

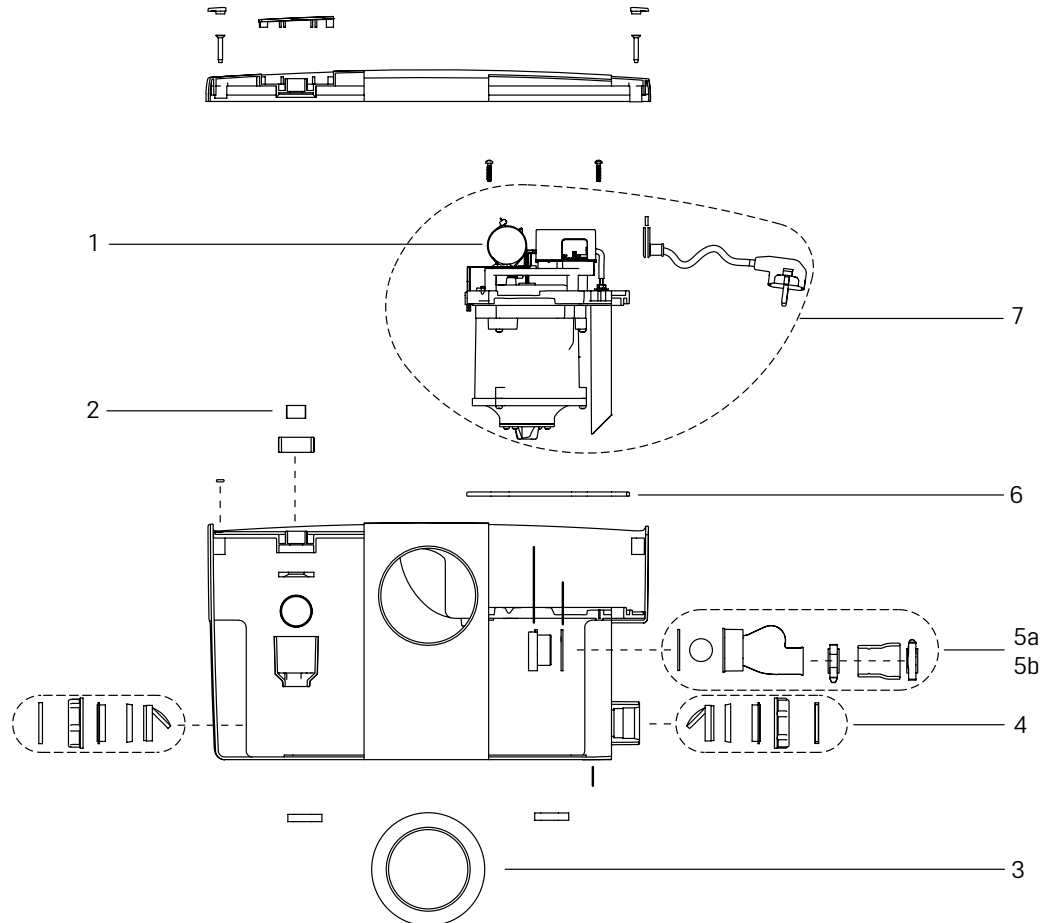


Item	Designation	Art. no.
1	Slotted grating, white, 276 × 191 mm, polymer,	30 001W
2a	Replacement pump KTP 300	28 836
2b	Replacement pump KTP 300 resistant	680 954
3	Impeller KTP 300, with intake cover	28 039
4	Intake cage with push-fit fastener, for KTP 300	680 013
5	Pump seal Ø 40	680 020

Item	Designation	Art. no.
6	Pump locking set, Mono, with one-handed closure	28 031
7	Non-return flap	27 207
8	One-handed closure for backflow preventer	680 018
9	Seal, O-ring for pressure pipe connection	680 014
10	pressure pipe connection for pump, <i>Minilift</i>	680 017
11	Cover plate, white, 276 × 191 mm	30 003W

Lifting station *Minilift F*

Free-standing installation

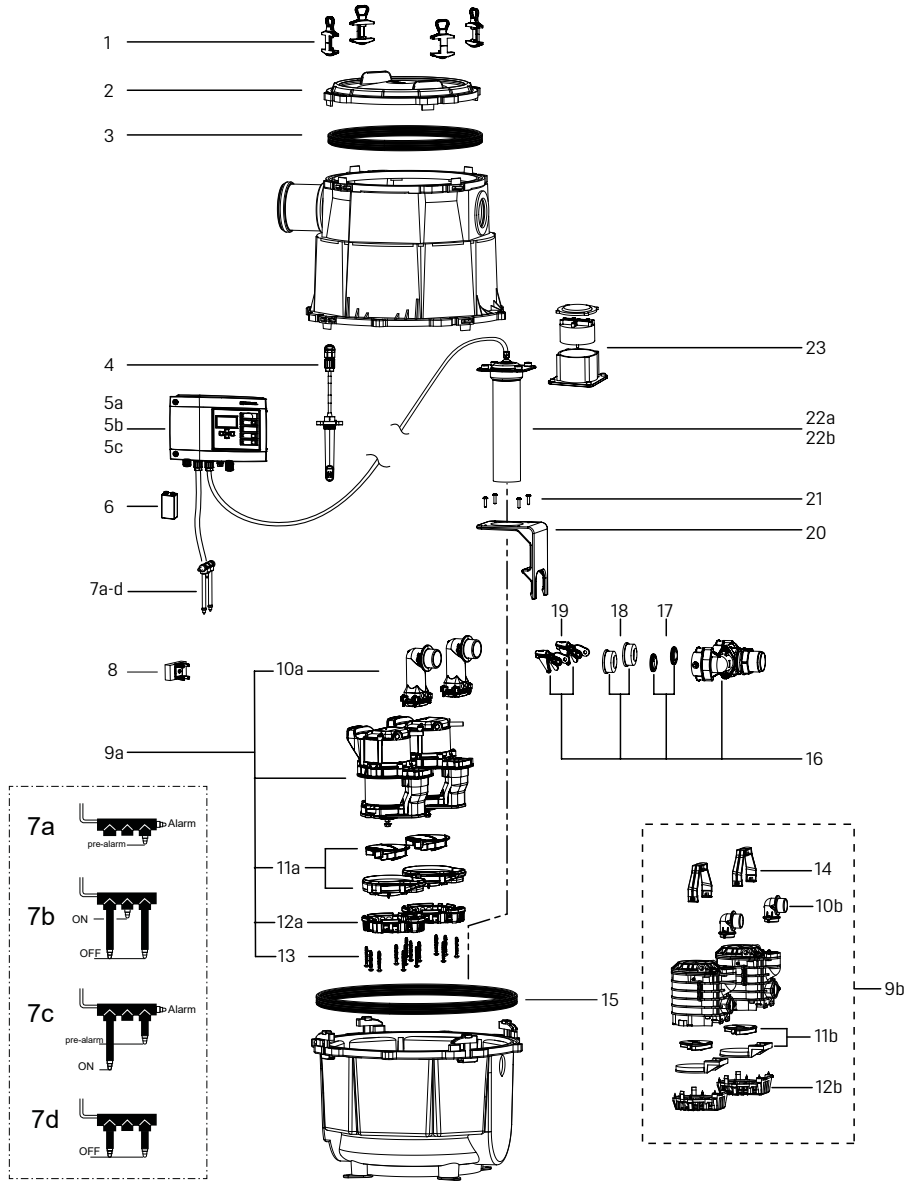


Item	Designation	Art. no.
1	Capacitor for <i>Minilift F</i>	680 547
2	Activated carbon filter	680 544
3	WC inlet seal Ø 110, for <i>Minilift F</i>	680 673
4	Inlet set Ø 40, with non-return flap	680 543

Item	Designation	Art. no.
5a	Backflow preventer with pressure pipe connection, up to model year 12/21	680 542
5b	Backflow preventer with pressure pipe connection, beginning model year 12/21	681 083
6	Seal for pump	680 545
7	Replacement pump, <i>Minilift F</i>	680 546

Lifting station *Aqualift S*

Installation above ground



Item	Designation	Art. no.
1	Bow nut with coach bolt, screw connection (1 ea.)	28 011
2	Cover Ø 400, free-standing set-up	680 031
3	Seal Ø 368 mm	850 112
4	Optical probe with 3 adapters, 5 m cable	80 888
5	Control unit	
5a	up to model year 03/2012	*
5b	beginning model year 04/2012 for Comfort <i>Aqualift Mono</i> , 230 V	28 731
5c	beginning model year 04/2012 for Comfort <i>Aqualift Duo</i> , 230 V	28 746
6	Battery, 2x 9V6LR61	680 034
7	Conductivity probe	
7a	Double, Duo, horizontal	680 674
7b	Triple switching probe, Duo, vertical	680 012
7c	Triple, Duo, horizontal	680 675
7d	Double alarm probe, Duo, vertical	680 011
8	Probe clamp set (nut, probe clamp, screw)	28 030
9a	Replacement pump GTF 500	680 877
9b	Replacement pump KTP 500	**
10a	Pressure pipe connection for GTF 500	680 897

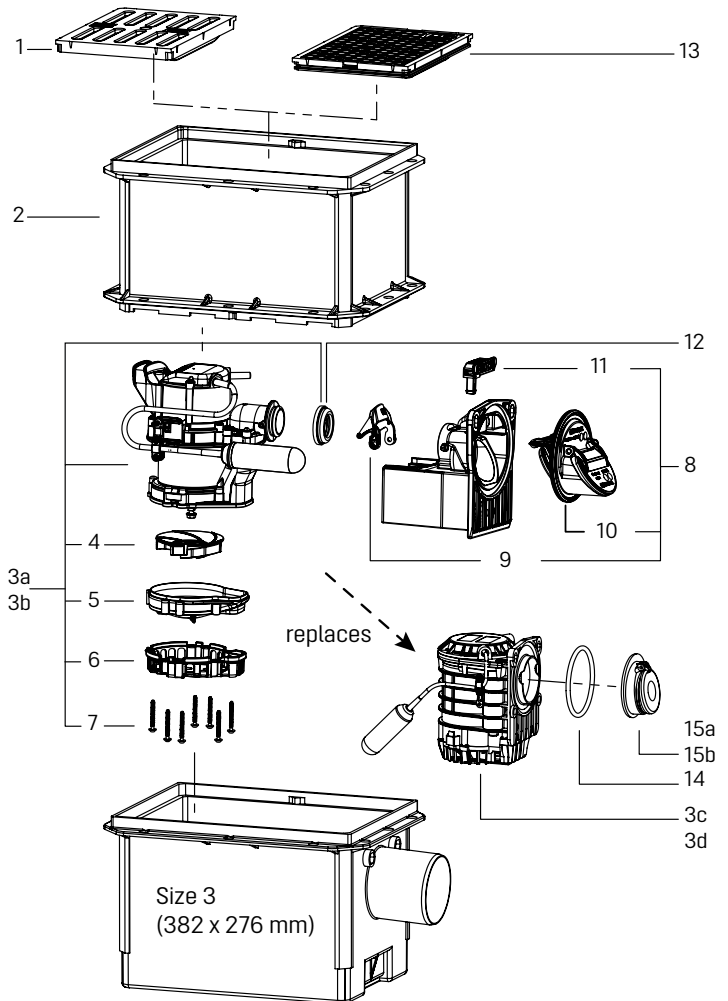
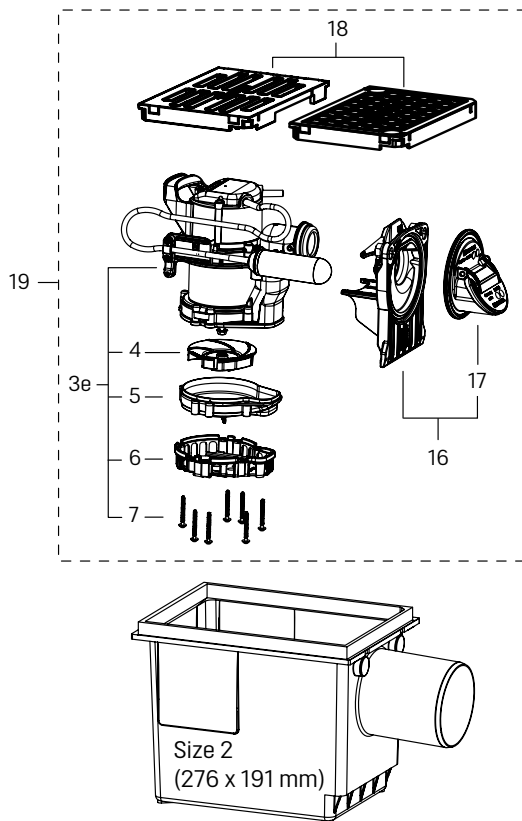
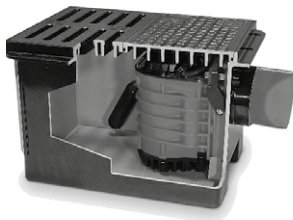
Item	Designation	Art. no.
10b	Pressure pipe connection, 90 degree bend for KTP 500	680 033
11a	Multi-vane impeller for GTF 500	680 767
11b	Impeller KTP 500, with intake cover	28 038
12a	Intake cage for GTF 500	680 770
12b	Intake cage with push-fit fastener, for KTP 500	680 004
13	Screw set for intake cage GTF 500	680 769
14	Pump handle for submersible pump KTP 500	680 007
15	Seal Ø 458 mm	850 113
16	Duo pump locking set, with one-handed closure	28 032
17	Non-return flap	27 207
18	Pump seal Ø 40	680 020
19	One-handed closure for backflow preventer	680 018
20	Bracket for pressure sensor	680 032
21	Screw set for pressure switch (4 ea.)	680 006
22	Immersion pipe	
22a	with pressure monitor, Duo, 10 m cable, up to model year 12/2009	680 049
22b	for <i>Aqualift F</i> and <i>S Duo</i> , 5 m hose, beginning model year 01/2010	680 056
23	Pressure monitor, Duo, with seal, up to model year 12/2009	28 046

* Older control units are being replaced. See overview on page 113

** Will be replaced by new pump GTF 500, art. no. 680 877

Lifting station *Aqualift S*

Installation in the floor slab, up to model year 12/1995



Item	Designation	Art. no.
1	Slotted grating 276 × 191 mm, made of polymer, black	30 001S
2	Upper section, size 3, H: 220 mm	32 500
3	For drain body size 3 (382 × 276 mm)	
3a	Replacement pump GTF 500, with float switch, size 3	680 828
3b	Replacement pump GTF 500 for <i>Aqualift S</i> in box, size 3	680 879
3c	Replacement pump <i>Aqualift S</i> up to model year 12/1995	*
3d	Replacement pump <i>Aqualift S</i> Tronic up to model year 12/1995 also required: control unit, Comfort <i>Aqualift Mono</i> , 230 V	** 28 731
	For drain body size 2 (276 × 191 mm)	
3e	Replacement pump <i>Aquadive</i> GTF 500 with float switch, size 2	681 201
4	Multi-vane impeller for GTF 500	680 767
5	Spiral housing for GTF 500	680 768
6	Intake cage for GTF 500	680 770
7	Screw set for intake cage GTF 500	680 769

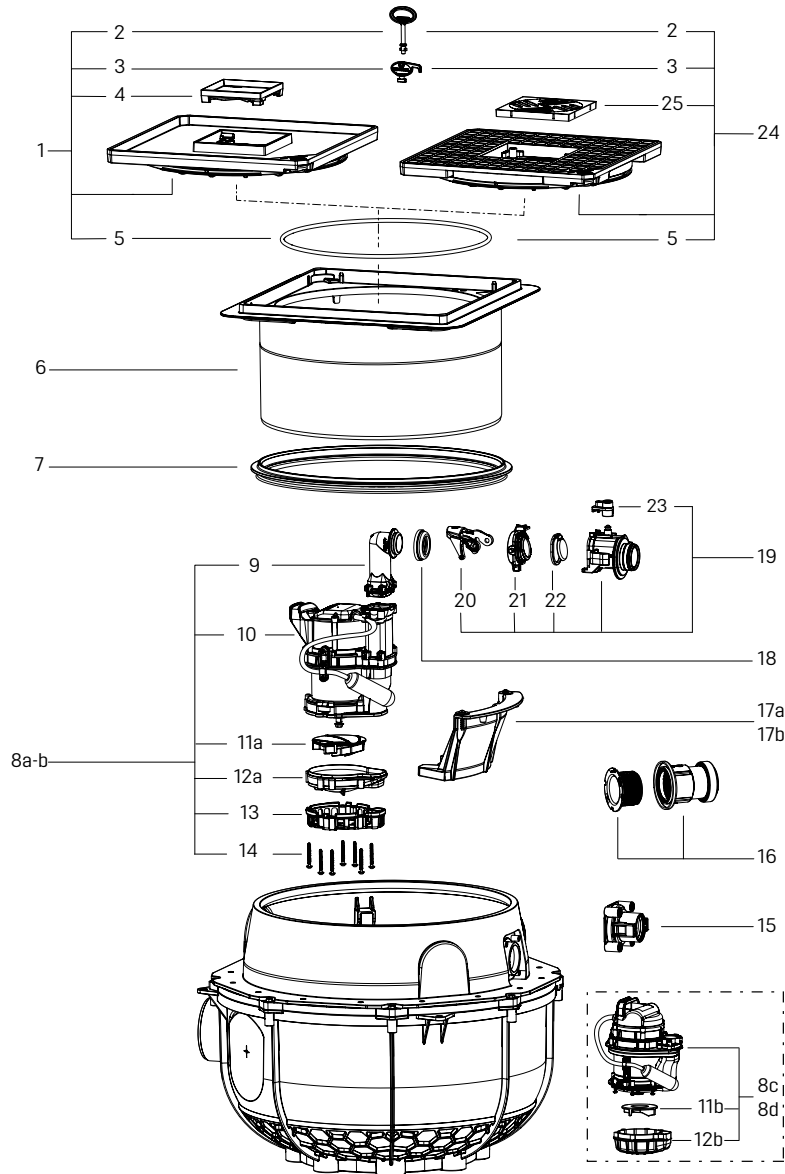
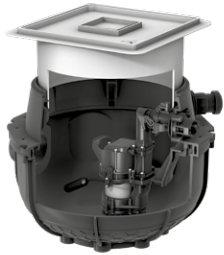
Item	Designation	Art. no.
8	Flap housing with 2 backwater flaps and emergency closure	680 829
9	One-handed closure for backflow preventer	680 018
10	Slide-in flap housing with two backwater flaps	680 884
11	Emergency closure lever for flap housing, incl. seals	680 883
12	Seal for pressure pipe connection	680 067
13	Cover plate, black (276 × 191 mm)	30 004S
14	Rolling ring seal Ø 110	680 001
15a	Non-return flap <i>Aqualift S</i> up to model year 12/1995	28 005
15b	Non-return flap with 2 flaps, up to model year 12/1995	28 006
16	Flap housing for GTF500 pump with float switch, for Drehfix size 2	681 199
17	Flap housing for Drehfix size 2 black, with seals	681 202
18	Cover plate, size 2 box with slotted cover, cutout, H1.5 black	681 198
19	Set of pump, flap housing, cover H1.5 black, flap housing with flap	681 200

* In case of pump replacement, the successor pump (art. no. 680 828) and successor adapter (art. no. 680 829) are required.

** In case of pump replacement, the successor pump (art. no. 680 879) and successor adapter (art. no. 680 829) are required.

Lifting station *Aqualift S Compact Mono*

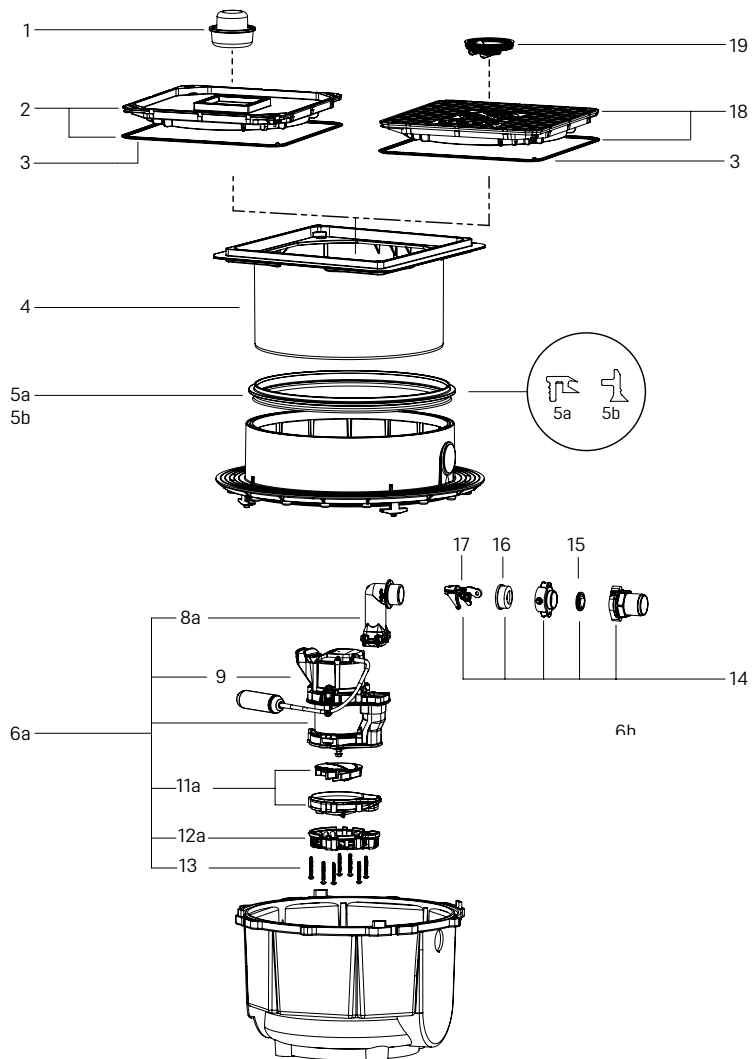
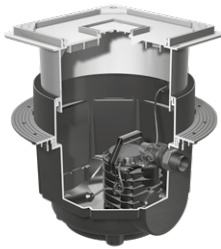
Installation in the floor slab, beginning model year 05/2019



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, with drain, stone grey, with seal	830 054	12	Spiral housing	
2	Locking key for <i>Lock & Lift</i> with cover plates	67 007	12a	for GTF 500 and GTF 500 resistant	680 768
3	Release key for <i>Lock & Lift</i> insert gratings	680 702	12b	for GTF 1200, ball passage 30 mm	680 363
4	Drain cover, tileable, <i>Lock & Lift</i> , ABS	680 224	13	Intake cage for GTF 500 and GTF 500 resistant	680 770
5	Seal for cover plate, System 330 mm	686 114	14	Screw set for intake cage GTF 500	680 769
6	Upper section, System 400, stone grey, locked, height up to 170 mm	830 065	15	Pressure pipe connection with screws	680 758
7	Lip seal	680 150	16	Inlet connection made of polymer Ø 50	39 005
8	Replacement pump		17	Pump hanger	
8a	GTF 500, with float switch	680 764	17a	for GTF 500 and GTF 500 resistant pumps	680 771
8b	GTF 500 resistant, with float switch	680 765	17b	for GTF 1200 pump	680 772
8c	GTF 1200, with float switch	680 766	18	Seal for pressure pipe connection	680 067
8d	GTF 1200 resistant, with float switch	680 952	19	Flap housing, Mono, with pump connection	680 761
9	Pressure pipe connection for GTF 500, <i>Aqualift S Compact</i>	680 792	20	One-handed closure for backflow preventer	680 018
10	Pump cover GTF 500 Cable length 5 m, coded plug	680 786	21	Pump connection	680 760
11	Impeller		22	Seal for pump coupling with flap	680 475
11a	Multi-vane impeller for GTF 500 and GTF 500 resistant	680 767	23	Turn fastener for pump connection lock	
11b	for GTF 1200, ball passage 30 mm, without spiral housing	680 366	24	Cover plate, black, with slotted grating and seal	830 053
			25	Slotted insert grating, 138 × 138 mm, polymer	60 101S

Lifting station *Aqualift S*

Installation in the floor slab, up to model year 04/2019

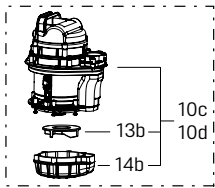
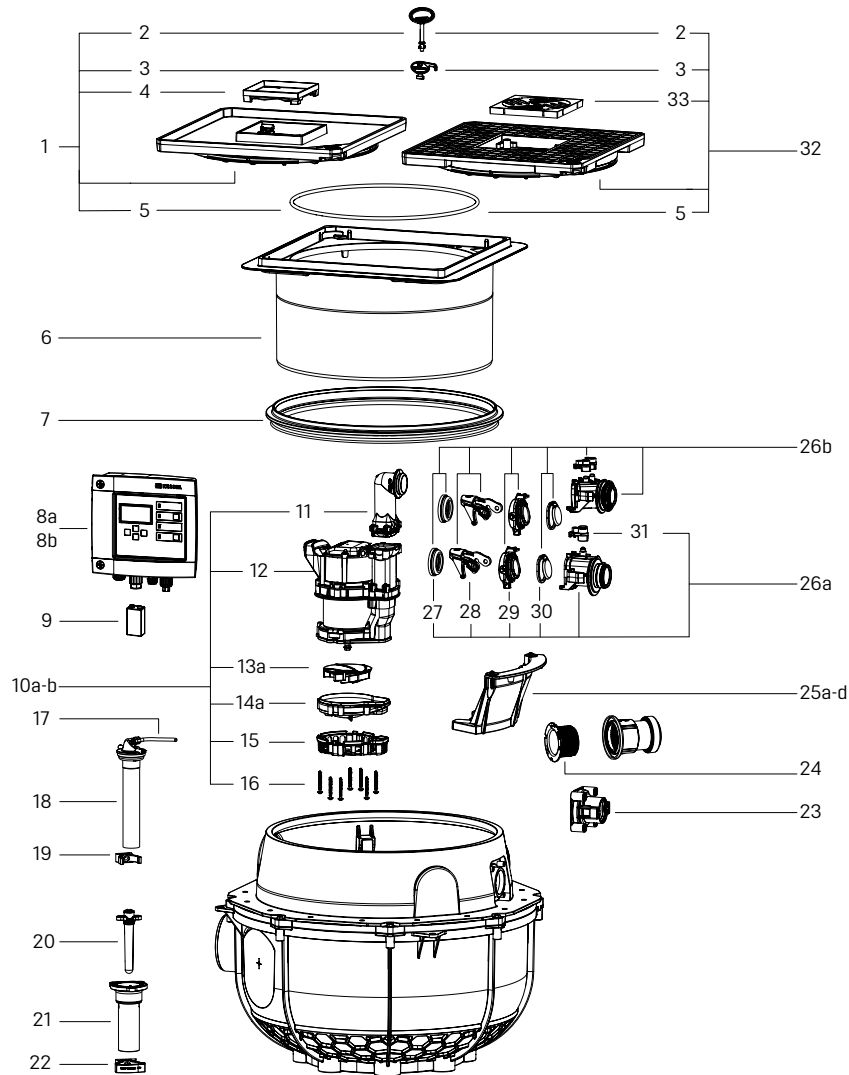


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Odour trap, sealing water height 50 mm	47 200	9	Pump cover GTF 500 Cable length 5 m, with floater	680 788
2	Cover plate, stone grey, tileable with drain and seal up to model year 12/2010	83 055	10	Float switch for KTP 500	28 012
3	Seal for cover plate 384 × 384 mm	680 025	11a	Multi-vane impeller for GTF 500	680 767
4	Upper section, vertically adjustable up to 180 mm	83 061	11b	Impeller KTP 500, with intake cover	28 038
5	Profiled lip seal for upper section		12a	Intake cage for GTF 500	680 770
5a	up to model year 06/2014	680 026	12b	Intake cage with push-fit fastener, for KTP 500	680 004
5b	beginning model year 07/2014	680 150	13	Screw set for intake cage GTF 500	680 769
6a	Replacement pump GTF 500 with float switch	680 878	14	Pump locking set, Mono, with one-handed closure	28 031
6b	Replacement pump KTP 500, beginning model year 01/1996	*	15	Non-return flap	27 207
7	Pump handle for submersible pump KTP 500	680 007	16	Pump seal Ø 40	680 020
8a	Pressure pipe connection for GTF 500	680 897	17	One-handed closure for backflow preventer	680 018
8b	Pressure pipe connection, 90 degree bend	680 033	18	Cover plate, black with integrated slotted grating and seal	83 053
			19	Odour trap, <i>Multistop</i> with integrated seal	43 500

* Will be replaced by new pump GTF 500, art. no. 680 878.

Lifting station *Aqualift S Compact Mono/Duo Tronic*

Installation in the floor slab, beginning model year 05/2019

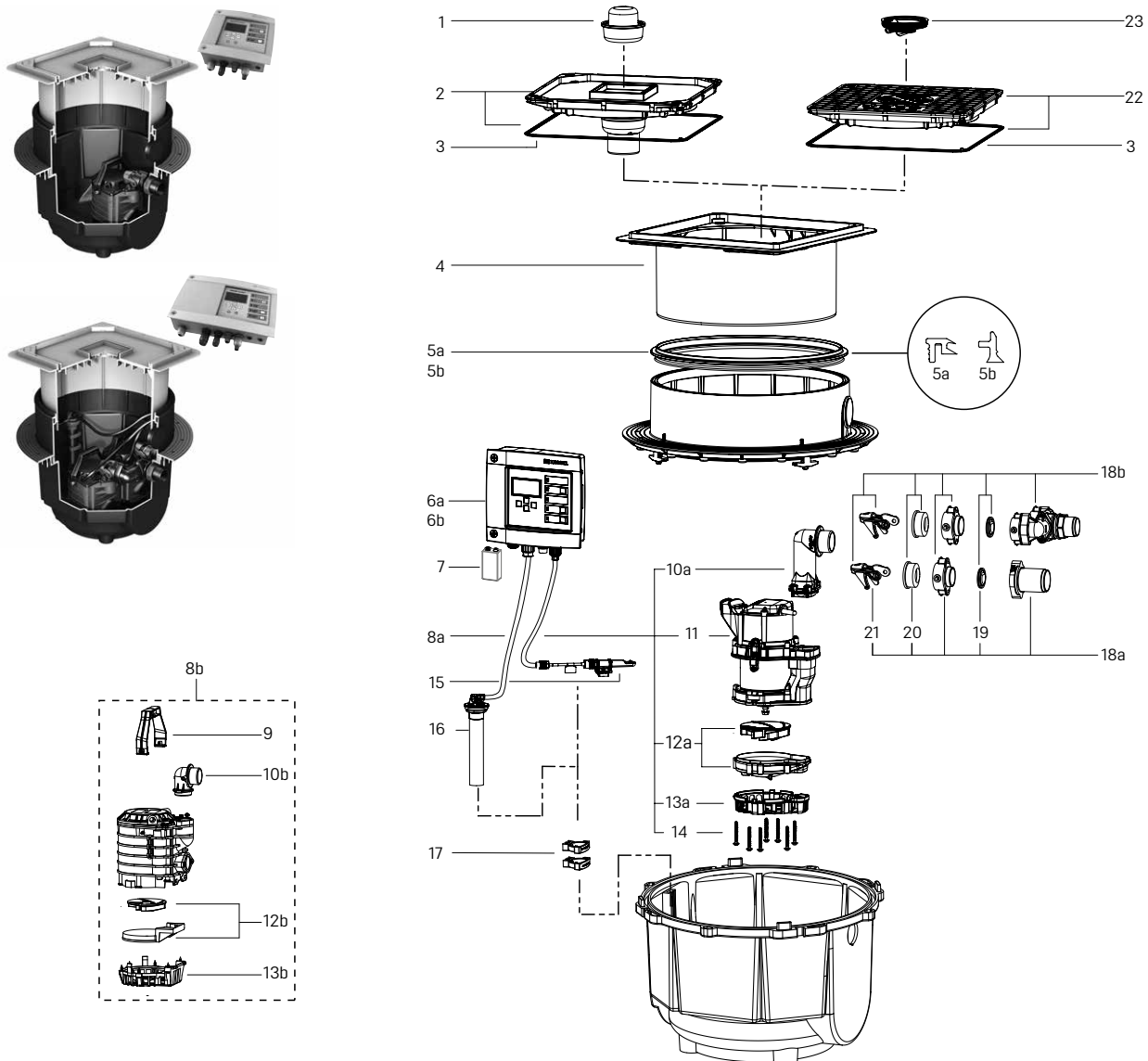


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, tileable, with drain, stone grey, with seal	830 054	17	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071
2	Locking key for <i>Lock & Lift</i> with cover plates	67 007	18	Pressure sensor with 5 m hose	680 776
3	Release key for <i>Lock & Lift</i> insert gratings	680 702	19	Fixing for pressure sensor	680 777
4	Drain cover, tileable, <i>Lock & Lift</i> , ABS	680 224	20	Optical probe with 3 adapters, 5 m cable	80 888
5	Seal for cover plate, System 330 mm	686 114	21	Splash protection set for optical probe	28 706
6	Upper section, System 400, stone grey, locked, height up to 170 mm	830 065	22	Fixing for probe	680 778
7	Profiled lip seal for upper section	680 150	23	Pressure pipe connection with screws	680 758
8a	Control unit, Comfort Aqualift Mono, 230 V	28 731	24	Inlet connection made of polymer Ø 50	39 005
8b	Control unit, Comfort Aqualift Duo, 230 V	28 746	25a	Pump hanger for pump GTF 500 and GTF 500 resistant	680 771
9	Battery, 2x 9V6LR61	*	25b	Pump hanger for pump GTF 1200	680 772
10a	Replacement pump GTF 500	680 773	25c	Pump hanger for GTF 500 Duo pump	680 779
10b	Replacement pump GTF 500 resistant	680 774	25d	Pump hanger for GTF 1200 Duo pump	680 780
10c	Replacement pump GTF 1200	680 775	26a	Flap housing, Mono, with pump connection	680 761
10d	Replacement pump GTF 1200 resistant	680 952	26b	Flap housing, Duo, with pump connection	680 781
11	Pressure pipe connection for GTF 500, <i>Aqualift S Compact</i>	680 792	27	Seal for pressure pipe connection	680 067
12	Pump cover GTF 500 Cable length 5 m, coded plug	680 786	28	One-handed closure for backflow preventer	680 018
13a	Multi-vane impeller for GTF 500 and GTF 500 resistant	680 767	29	Pump connection	680 760
13b	Impeller for GTF 1200, ball passage 30 mm	680 366	30	Seal for pump coupling with flap	680 475
14a	Spiral housing for GTF 500 and for GTF 500 resistant	680 768	31	Turn fastener for pump connection lock	
14b	Spiral housing for GTF 1200	680 363	32	Cover plate, black, with slotted grating and seal	830 053
15	Intake cage for GTF 500 and GTF 500 resistant	680 770	33	Slotted insert grating, 138 × 138 mm, polymer	60 101S
16	Screw set for intake cage GTF 500	680 769			

* Source locally

Lifting station *Aqualift S Tronic Mono/Duo*

Installation in the floor slab, *Mono* from 02/2013 up to 04/2019 and *Duo* from 01/2012 up to 04/2019



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Odour trap, seating water height 50 mm	47 200	12a	Multi-vane impeller for GTF 500	680 767
2	Cover plate, stone grey, tileable with drain and seal	83 055	12b	Impeller for KTP 500, with intake cover	28 038
3	Seal for cover plate 384 × 384 mm	680 025	13a	Intake cage for GTF 500	680 770
4	Upper section, vertically adjustable up to 180 mm	83 061	13b	Intake cage with push-fit fastener, for KTP 500	680 004
5	Profiled lip seal for upper section		14	Screw set for intake cage GTF 500	680 769
5a	up to model year 06/2014	680 026	15	Optical probe with 3 adapters, 5 m cable	80 888
5b	beginning model year 07/2014	680 150	16	Pressure sensor <i>Aqualift S</i> , 5 m hose	680 069
6	Control unit*		17	Fixing for pressure sensor****	680 424
6a	Comfort <i>Aqualift Mono</i> , 230 V	28 731	18	Pump locking set	
6b	Comfort <i>Aqualift Duo</i> , 230 V	28 746	18a	Mono, with one-handed closure (single pumping station)	28 031
7	Battery, 2x 9V6LR61	**	18b	Duo, with one-handed closure (twin pumping station)	28 032
8a	Replacement pump GTF 500	680 877	19	Non-return flap	27 207
8b	Replacement pump KTP 500	***	20	Pump seal Ø 40	680 020
9	Pump handle for submersible pump KTP 500	680 007	21	One-handed closure for backflow preventer	680 018
10a	Pressure pipe connection	680 897	22	Cover plate, black with integrated slotted grating and seal	83 053
10b	Pressure pipe connection, 90 degree bend	680 033	23	Odour trap, <i>Multistop</i> with integrated seal	43 500
11	Pump cover GTF 500 Cable length 5 m, coded plug	680 786			

* Older control units are being replaced. See overview on page 113
** source locally

*** Will be replaced by new pump GTF 500, art. no. 680 877
**** Valid until 02/2022

Lifting station *Aqualift S Tronic Mono/Duo*

Installation in the floor slab, *Mono* up to model year 01/2013 and *Duo* up to model year 12/2011

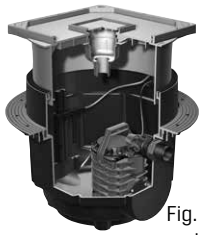


Fig. shows status up to model year 12/2010

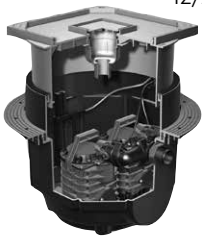
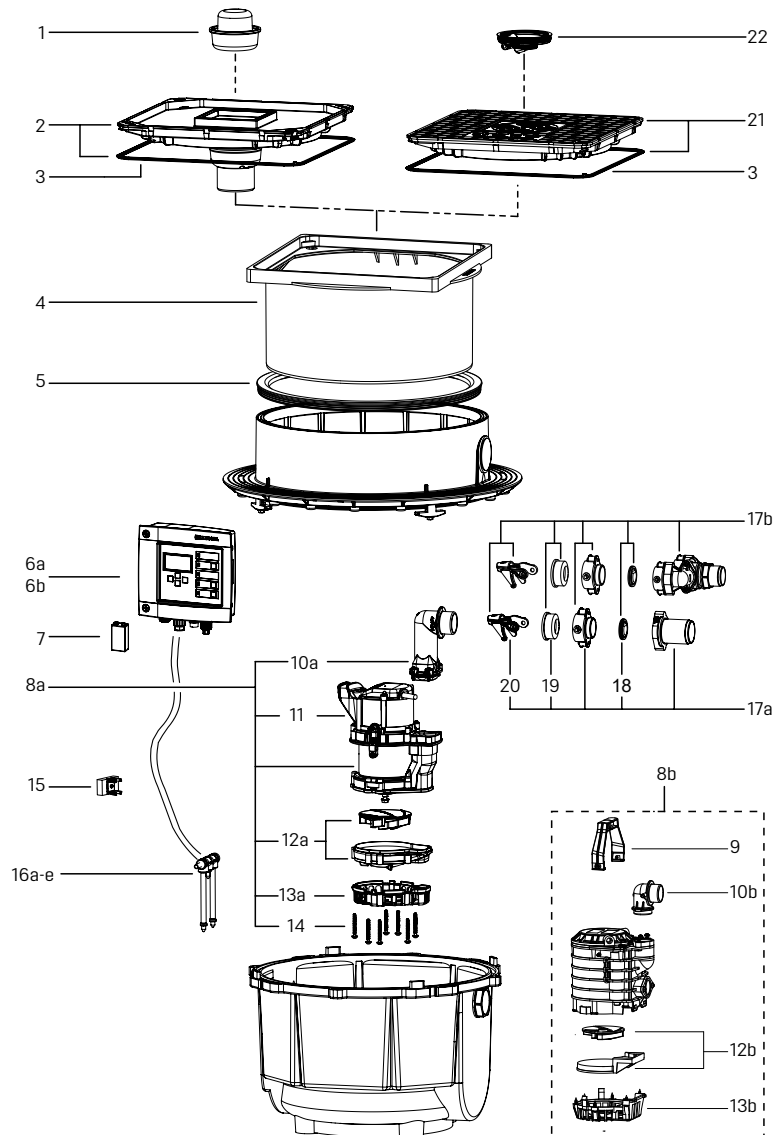
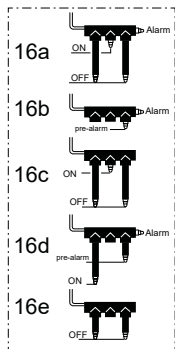


Fig. shows status up to model year 12/2010



Item	Designation	Art. no.
1	Odour trap, sealing water height 50 mm	47 200
2	Cover plate, stone grey, tileable with drain and seal up to model year 12/2010	83 055
3	Seal for cover plate 384 × 384 mm	680 025
4	Upper section, vertically adjustable up to 180 mm	83 061
5	Profiled lip seal for upper section	680 026
6	Control unit	*
6a	Comfort <i>Aqualift Mono</i> , 230 V	28 731
6b	Comfort <i>Aqualift Duo</i> , 230 V	28 746
7	Battery, 2x 9V6LR61	**
8a	Replacement pump GTF 500	680 877
8b	Replacement pump KTP 500, beginning model year 01/1996	***
9	Pump handle for submersible pump KTP 500	680 007
10a	Pressure pipe connection	680 897
10b	Pressure pipe connection, 90 degree bend	680 033
11	Pump cover GTF 500 Cable length 5 m, coded plug	680 786
12a	Multi-vane impeller for GTF 500	680 767
12b	Impeller KTP 500, with intake cover	28 038

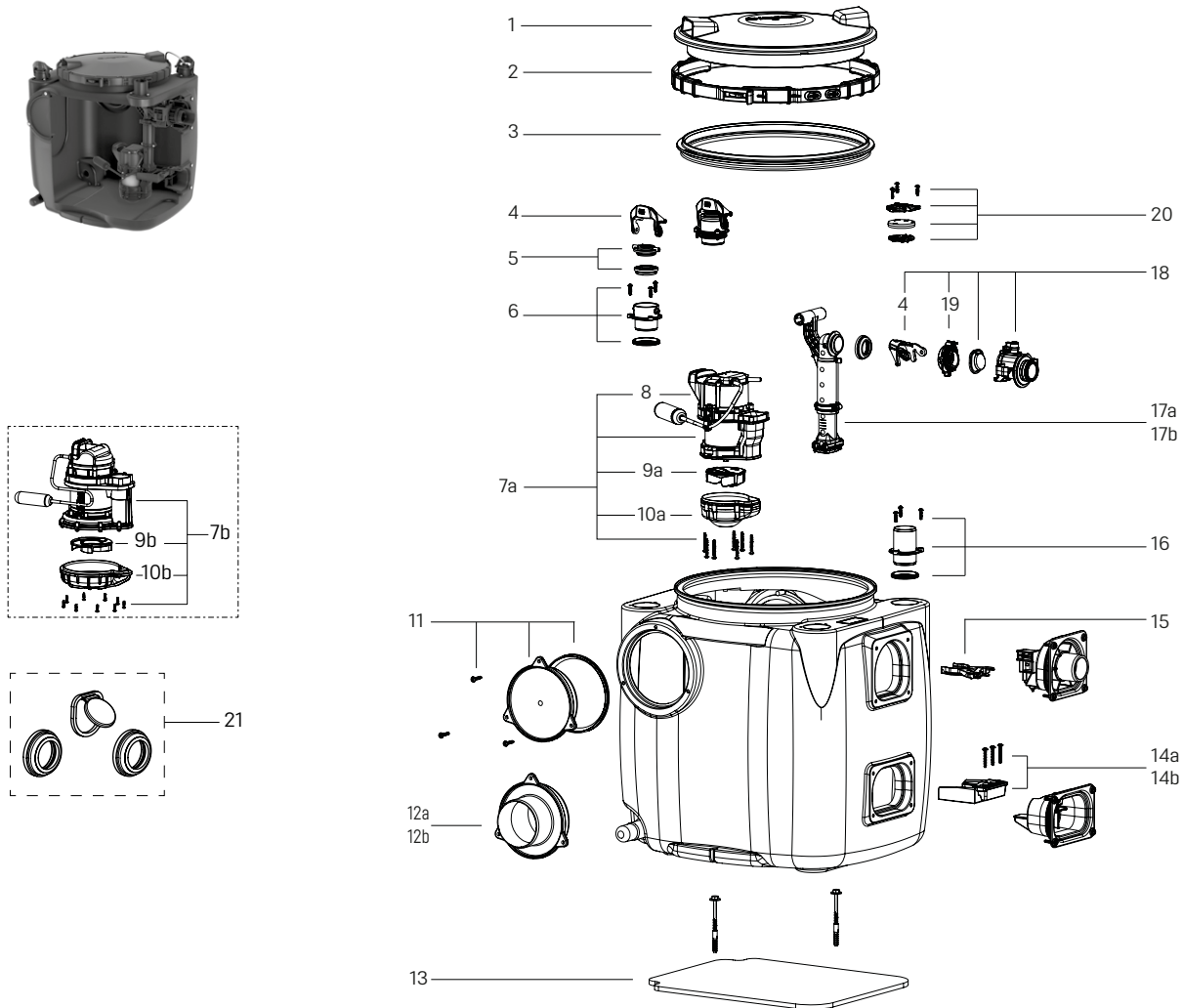
Item	Designation	Art. no.
13a	Intake cage for GTF 500	680 770
13b	Intake cage with push-fit fastener, for KTP 500	680 004
14	Screw set for intake cage GTF 500	680 769
15	Probe clamp set (nut, probe clamp, screw)	28 030
16	Conductivity probe	
16a	Quadruple probe, Mono	680 010
16b	Double, Duo, horizontal	680 674
16c	Triple switching probe, Duo, vertical	680 012
16d	Triple, Duo, horizontal	680 675
16e	Double alarm probe, Duo, vertical	680 011
17	Pump locking set	
17a	Mono, with one-handed closure (single pumping station)	28 031
17b	Duo, with one-handed closure (twin pumping station)	28 032
18	Non-return flap	27 207
19	Pump seal Ø 40	680 020
20	One-handed closure for backflow preventer	680 018
21	Cover plate, black with integrated slotted grating and seal	83 053
22	Odour trap, <i>Multistop</i> with integrated seal	43 500

* Older control units are being replaced. See overview on page 113
 ** Source locally

*** Will be replaced by new pump GTF 500, art. no. 680 877

Lifting station *Aqualift S 100 Mono*

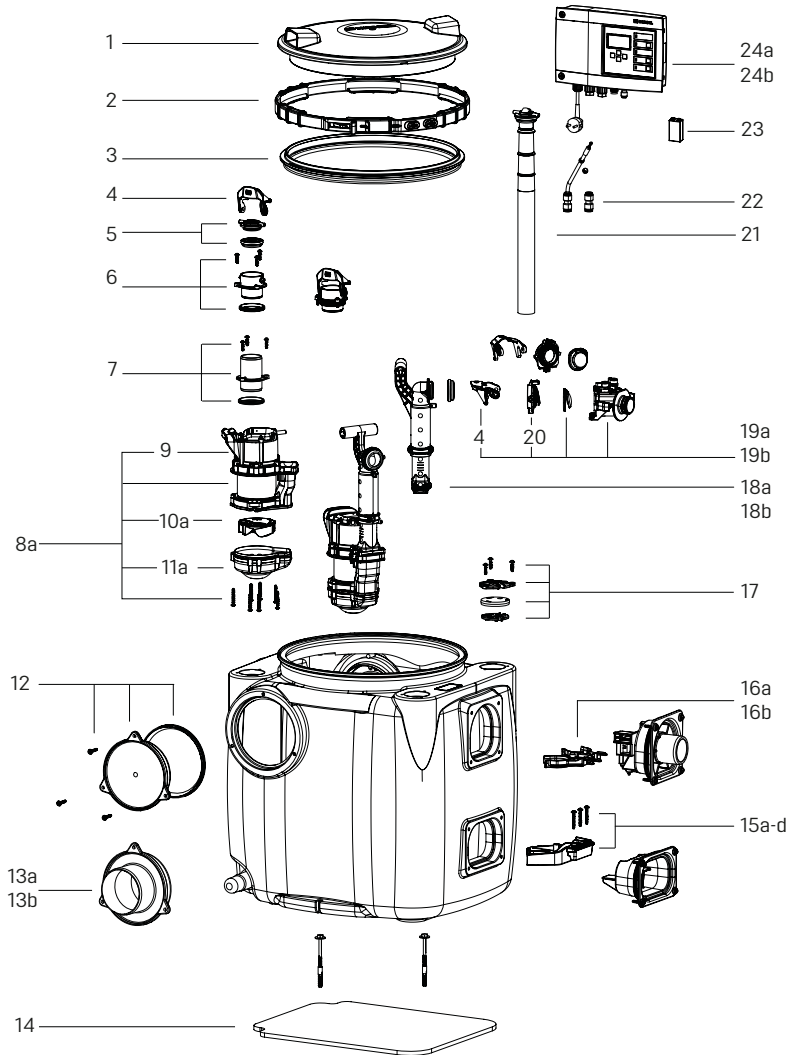
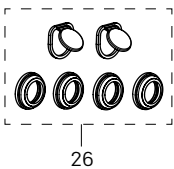
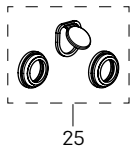
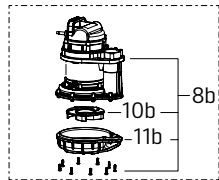
Free-standing installation



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover	680 326	11	Blind cover for <i>Aqualift S 100/200</i> with screws and seal	680 980
2	Clamp fastener for cover	680 975	12	Inlet connection	
3	Seal	680 150	12a	Ø 110 for <i>Aqualift S 100/200</i>	680 986
4	One-handed closure for backflow preventer	680 018	12b	Ø 150 for <i>Aqualift S 100/200</i>	680 987
5	Cover with seal	680 076	13	Sound absorbing mat for <i>Aqualift S 100</i>	680 990
6	Immersion pipe connector for <i>Aqualift S 100/200</i>	680 985	14	Pump hanger with screws	
7	Replacement pump with 5 m cable		14a	for GTF 600 Mono	680 967
7a	GTF 600 with float switch for <i>Aqualift S 100/200</i>	680 976	14b	for GTF 1250 Mono	680 968
7b	GTF 1250 with float switch for <i>Aqualift S 100/200</i>	680 978	15	Holder pressure pipe for <i>Aqualift S</i>	680 969
8	Pump cover GTF 500 Cable length 5 m, with floater	680 788	16	Ventilation connector Ø 50 for <i>Aqualift S 100</i> incl. screws and seal	680 982
9	Impeller		17a	Pressure pipe Ø 32 for <i>Aqualift S 100</i> GTF 600	680 983
9a	Impeller GTF 600, free passage 30 mm	680 887	17b	Pressure pipe Ø 32 for <i>Aqualift S 100</i> GTF 1250	680 984
9b	Multi-vane impeller for STF 1300	680 804	18	Flap housing Mono, with pressure pipe connection	680 761
10	Spiral housing		19	Pressure pipe connection	680 760
10a	GTF 600, free passage 30 mm	680 888	20	Cable entry for <i>Aqualift S 100/200</i>	680 981
10b	GTF 1250, free ball passage 30 mm	680 998	21	Seal set for <i>Aqualift S Mono</i>	680 490

Lifting station *Aqualift S 100 Tronic Mono/Duo*

Free-standing installation

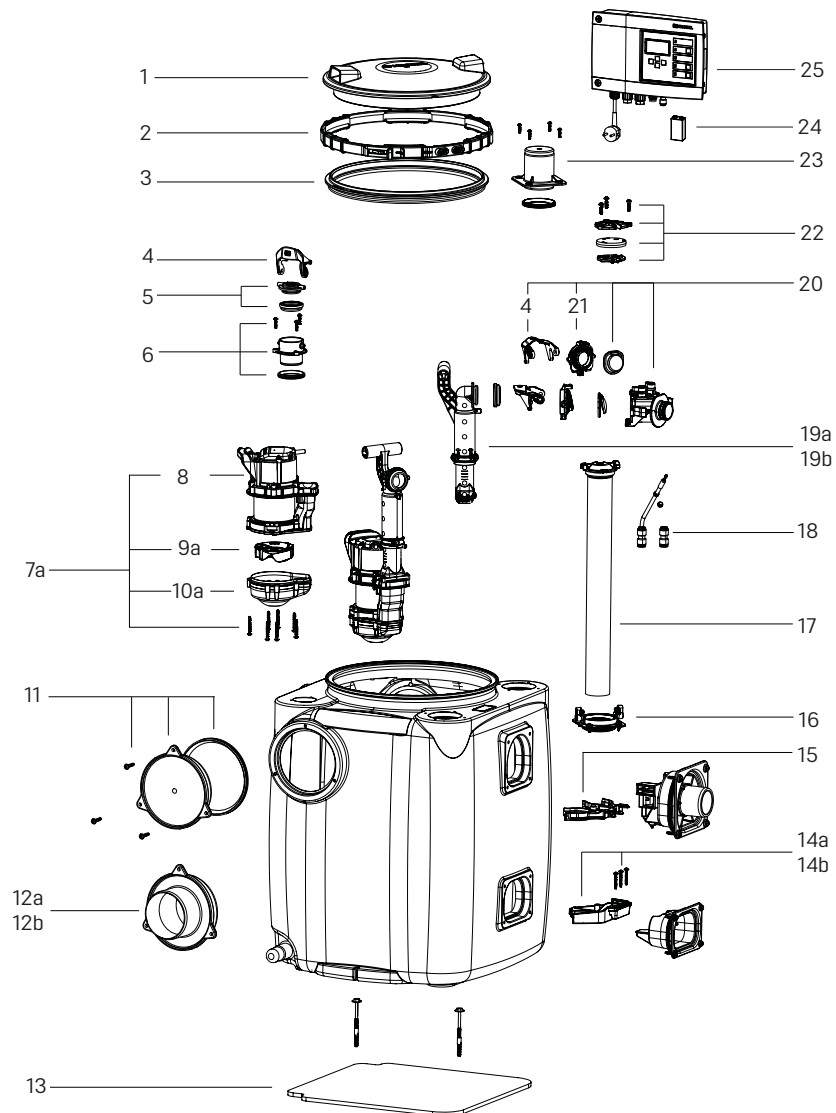
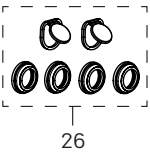
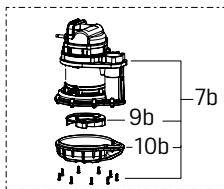


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover	680 326	15	Pump hanger with screws for <i>Aqualift S</i>	
2	Clamp fastener for cover	680 975	15a	for GTF 600 Mono	680 967
3	Seal	680 150	15b	for GTF 1250 Mono	680 968
4	One-handed closure for backflow preventer	680 018	15c	for GTF 600 Duo	680 973
5	Cover with seal	680 076	15d	for GTF 1250 Duo	680 974
6	Immersion pipe connector for <i>Aqualift S 100/200</i>	680 985	16a	Bracket for pressure pipe for Mono	680 969
7	Ventilation connector spigot Ø 50 for <i>Aqualift S 100</i> incl. screws and seal	680 982	16b	Bracket for pressure pipe for Duo	680 972
8	Replacement pump		17	Cable entry for <i>Aqualift S 100/200</i>	680 981
8a	GTF 600 without float switch for <i>Aqualift S 100/200</i>	680 977	18	Pressure pipe Ø 32	
8b	GTF 1250 without float switch for <i>Aqualift S 100/200</i>	680 979	18a	for <i>Aqualift S 100</i> GTF 600	680 983
9	Pump cover GTF 500 Cable length 5 m, coded plug	680 786	18b	for <i>Aqualift S 100</i> GTF 1250	680 984
10	Impeller		19a	Flap housing Mono, with pressure pipe connection	680 761
10a	Impeller GTF 600, free passage 30 mm	680 887	19b	Flap housing Duo, with pressure pipe connection	680 781
10b	Multi-vane impeller for STF 1300	680 804	20	Pressure pipe connection	680 760
11	Spiral housing		21	Immersion pipe for <i>Aqualift S 100</i>	680 988
11a	GTF 600, free passage 30 mm	680 888	22	Quick fitting for the pressure hose, with 5 m hose	680 996
11b	GTF 1250, free ball passage 30 mm	680 998	23	Battery, 2x 9V6LR61	*
12	Blind cover for <i>Aqualift S 100/200</i> with screws and seal	680 980	24a	Control unit Mono	28 731
13	Inlet connection		24b	Control unit Comfort <i>Aqualift Duo</i> , 230 V	28 746
13a	Ø 110 for <i>Aqualift S 100/200</i>	680 986	25	Seal set for <i>Aqualift S</i> Mono	680 490
13b	Ø 150 for <i>Aqualift S 100/200</i>	680 987	26	Seal set for <i>Aqualift S</i> Duo	680 491
14	Sound absorbing mat for <i>Aqualift S 100</i>	680 990			

* Source locally

Lifting station *Aqualift S 200 Tronic Duo*

Free-standing installation

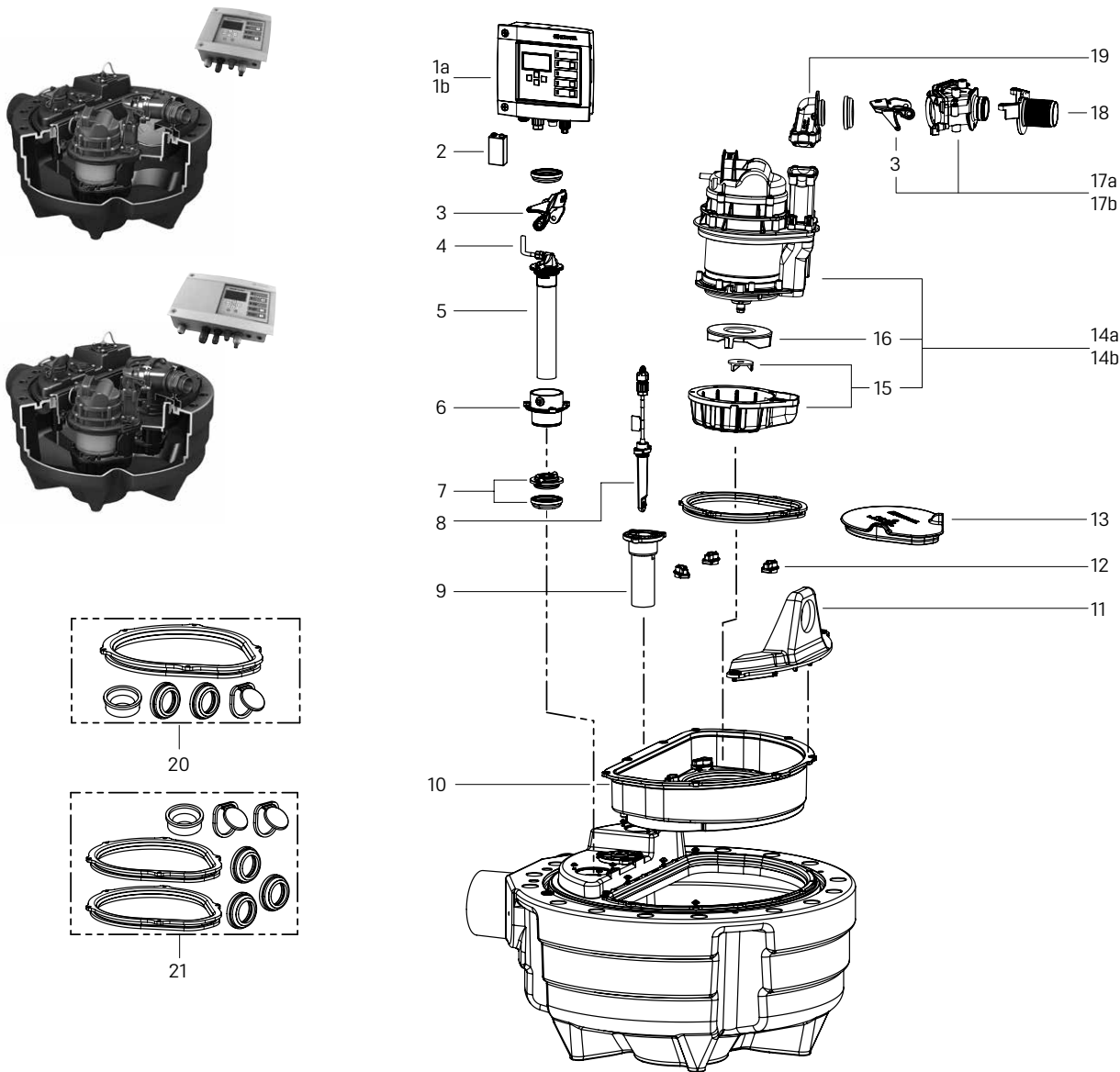


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover	680 326	12b	Ø 150 for <i>Aqualift S 100/200</i>	680 987
2	Clamp fastener for cover	680 975	13	Sound absorbing mat for <i>Aqualift S 200</i>	680 991
3	Seal	680 150	14	Pump hanger with screws for <i>Aqualift S</i>	
4	One-handed closure for backflow preventer	680 018	14a	for GTF 600 Mono	680 973
5	Cover with seal	680 076	14b	for GTF 1250 Mono	680 974
6	Immersion pipe connector for <i>Aqualift S 100/200</i>	680 985	15	Bracket for pressure pipe for Duo	680 972
7	Replacement pump		16	Immersion pipe connector for <i>Aqualift S 200</i> incl. screws and seal	680 995
7a	GTF 600 without float switch for <i>Aqualift S 100/200</i>	680 977	17	Immersion pipe for <i>Aqualift S 200</i>	680 989
7b	GTF 1250 without float switch for <i>Aqualift S 100/200</i>	680 979	18	Hose connection set for immersion pipes, length 5 m	680 996
8	Pump cover GTF 500 Cable length 5 m, coded plug	680 786	19	Pressure pipe	
9	Impeller		19a	for <i>Aqualift S 200</i> GTF 600	680 992
9a	Impeller GTF 600, free passage 30 mm	680 887	19b	for <i>Aqualift S 200</i> GTF 1250	680 993
9b	Multi-vane impeller for STF 1300	680 804	20	Flap housing Duo, with pressure pipe connection	680 781
10	Spiral housing		21	Pressure pipe connection	680 760
10a	GTF 600, free passage 30 mm	680 888	22	Cable entry for <i>Aqualift S 100/200</i>	680 981
10b	GTF 1250, free ball passage 30 mm	680 998	23	Ventilation connector Ø 75 incl. screws and seal	680 994
11	Blind cover for <i>Aqualift S 100/200</i> with screws and seal	680 980	24	Battery, 2x 9V6LR61	*
12	Inlet connection		25	Control unit Comfort <i>Aqualift Duo</i> , 230 V	28 746
12a	Ø 110 for <i>Aqualift S 100/200</i>	680 986	26	Seal set for <i>Aqualift S Duo</i>	680 491

* Source locally

Lifting station *Aqualift F Compact Mono/Duo*

Free-standing installation, beginning model year 04/2012

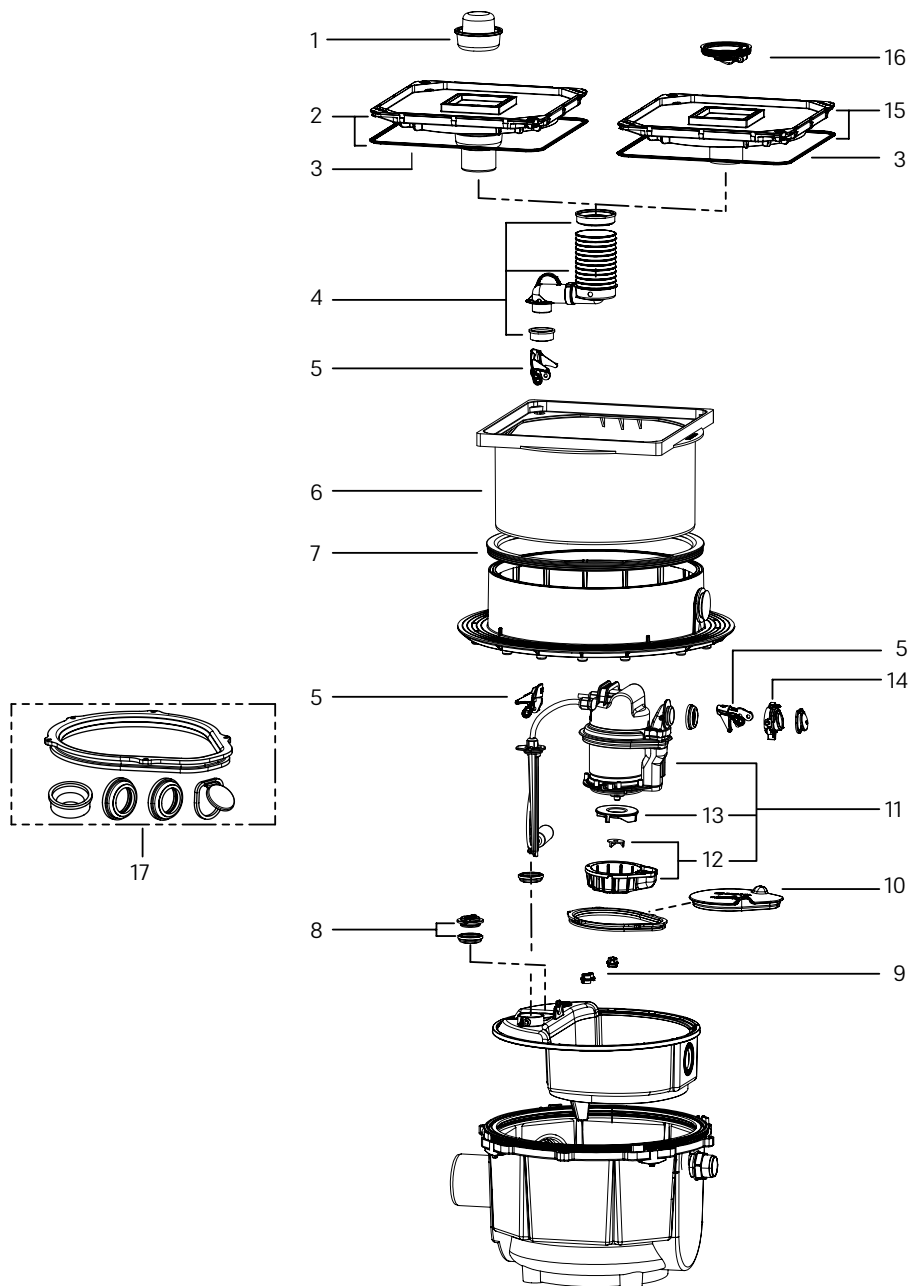


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit		11	Pressure connection bracket	680 119
1a	Comfort <i>Aqualift Mono</i> , 230 V	28 731	12	Turn fastener for pump (1 ea.)	680 070
1b	Comfort <i>Aqualift Duo</i> , 230 V	28 746	13	Cover, <i>Aqualift F Compact</i> pump opening	28 732
2	Battery, 2x 9V6LR61	*	14a	Replacement pump KTP/SPZ 1000, 230 V	28 739
3	One-handed closure for backflow preventer	680 018	14b	Replacement pump SPZ 1000 resistant	680 951
4	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071	15	Replacement blade set for KTP 1000 / SPZ 1000, with screws	28 075
5	Immersion pipe <i>Aqualift F Compact</i> , 5 m hose, with horizontal pressure pipe connection	28 744	16	Impeller KTP/SPZ 1000, without intake cover	680 035
6	Immersion pipe connector	28 734	17	Pump coupling with one-handed closure	
7	Cover with seal	680 076	17a	Mono, beginning model year 01/2016	680 486
8	Optical probe with 3 adapters, 5 m cable	80 888	17b	Duo, beginning model year 01/2016	680 487
9	Splash protection set for optical probe	28 706	18	Threaded connection for <i>Aqualift F Compact</i>	680 676
10	Pump plate	28 733	19	Swivel connection set suitable for pump SPZ 1000	681 133
			20	Seal set for <i>Aqualift F Compact Mono</i>	680 453
			21	Seal set for <i>Aqualift F Compact Duo</i>	680 454

* Source locally

Wastewater station, *Aqualift F Mono* Underground

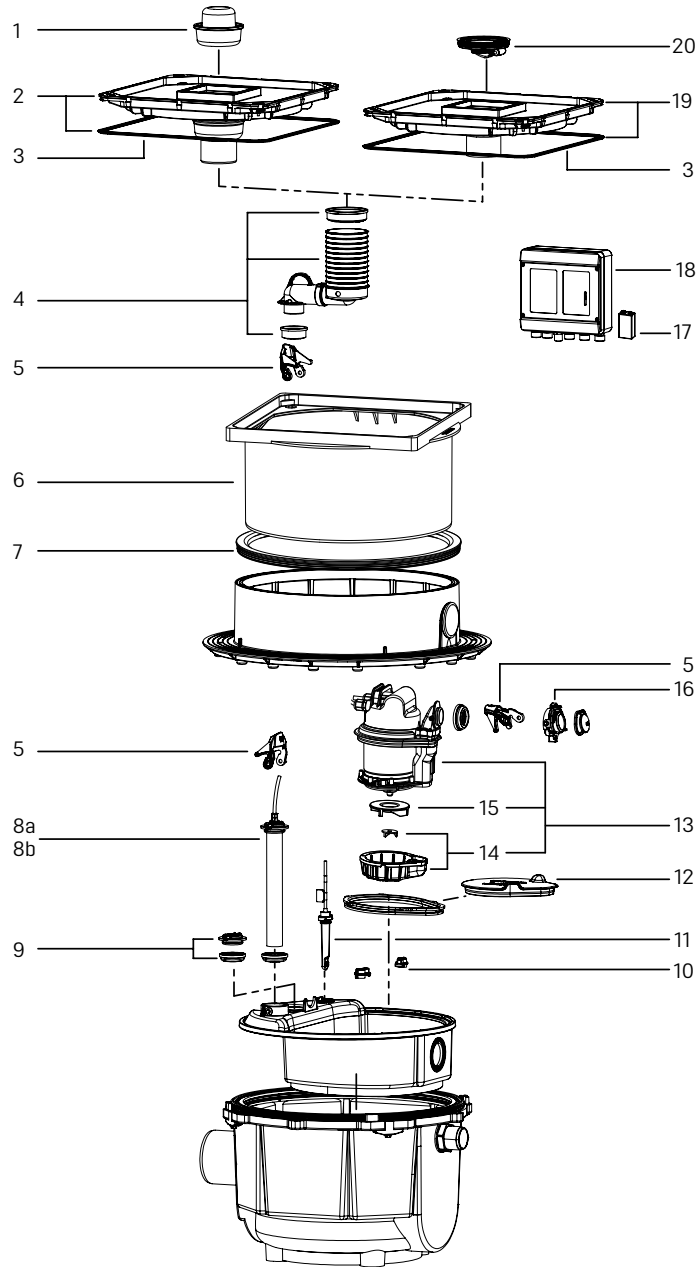
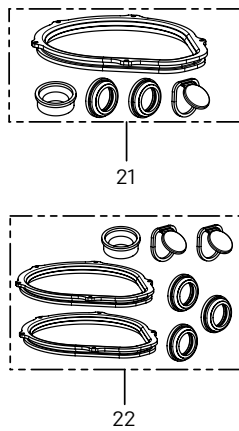
Installation in the floor slab, up to model year 03/2012



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Odour trap, sealing water height 50 mm	47 200	9	Turn fastener for pump (1 ea.)	680 070
2	Cover plate, stone grey, tileable with drain and seal, beginning model year 01/2011	83 055	10	Cover for pump opening	28 732
3	Seal for cover plate 384 × 384 mm	680 025	11	Replacement pump KTP/SPZ 1000, 230 V, with float switch and bracket	28 301
4	Drain connection Ø 75, with seal and rubber seal	680 215	12	Replacement blade set for KTP/SPZ 1000, with screws	28 075
5	One-handed closure for backflow preventer	680 018	13	Impeller KTP/SPZ 1000, without intake cover	680 035
6	Upper section, vertically adjustable up to 180 mm	83 061	14	Pump connection suitable for pumping stations	680 065
7	Profiled lip seal for upper section	680 026	15	Cover plate, stone grey, tileable, with drain, seal and <i>Multistop</i>	83 045
8	Cover with seal	680 076	16	Odour trap, <i>Multistop</i> with integrated seal	43 500
			17	Mono seal set	28 737

Wastewater station *Aqualift F Mono/Duo Tronic* Underground

Installation in the floor slab, up to model year 03/2012



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Odour trap, sealing water height 50 mm	47 200	10	Turn fastener for pump (1 ea.)	680 070
2	Cover plate, stone grey, tileable with drain and seal, beginning model year 01/2011	83 055	11	Optical probe with 3 adapters, 5 m cable	80 888
3	Seal for cover plate 384 × 384 mm	680 025	12	Cover for pump opening	28 732
4	Drain connection Ø 75, with seal and rubber seal	680 215	13	Replacement pump KTP/SPZ 1000, 230 V	28 351
5	One-handed closure for backflow preventer	680 018	14	Replacement blade set for KTP/SPZ 1000, with screws	28 075
6	Upper section, vertically adjustable up to 180 mm	83 061	15	Impeller KTP/SPZ 1000, without intake cover	680 035
7	Profiled lip seal for upper section	680 026	16	Pump connection suitable for pumping stations	680 065
8	Immersion pipe *		17	Battery, 2x 9V6LR61	**
8a	310 mm, 5 m hose, up to model year 03/2010	680 072	18	Control unit	***
8b	250 mm, 5 m hose, beginning model year 04/2010	680 074	19	Cover plate, stone grey, tileable, with drain, seal and <i>Multistop</i>	83 045
9	Cover with seal	680 076	20	Odour trap, <i>Multistop</i> with integrated seal	43 500
			21	Mono seal set	28 737
			22	Duo seal set	680 454

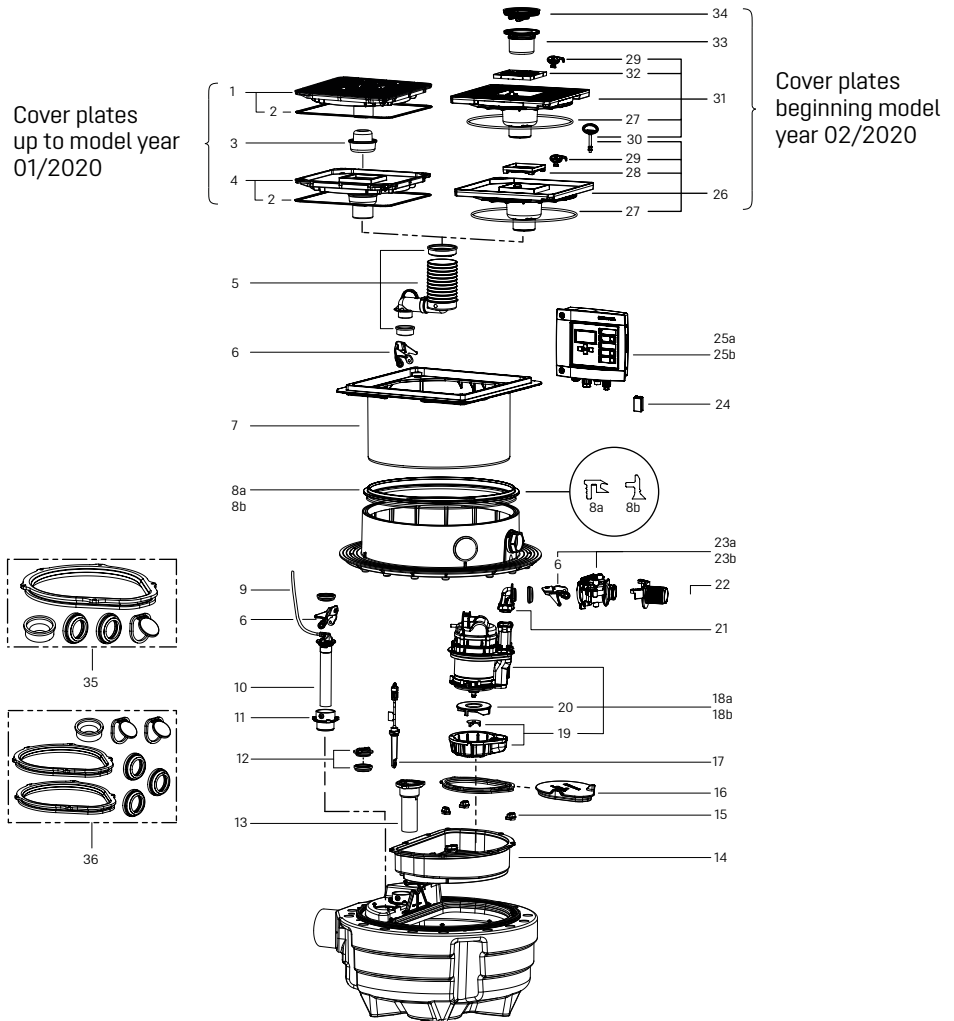
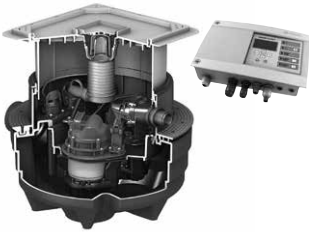
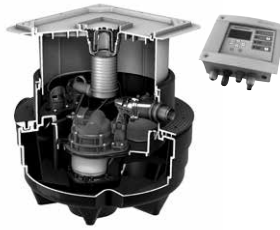
* Source locally

*** For control units, see page 113

** Discontinued. Replaced by art.nr. 28 731 Mono and art.nr. 28 746 Duo. Immersion pipe art.nr. 680 074 needed when replacing the old type control panel with new type control panel.

Lifting station *Aqualift F Compact Mono/Duo*

Installation in the floor slab, beginning model year 02/2017



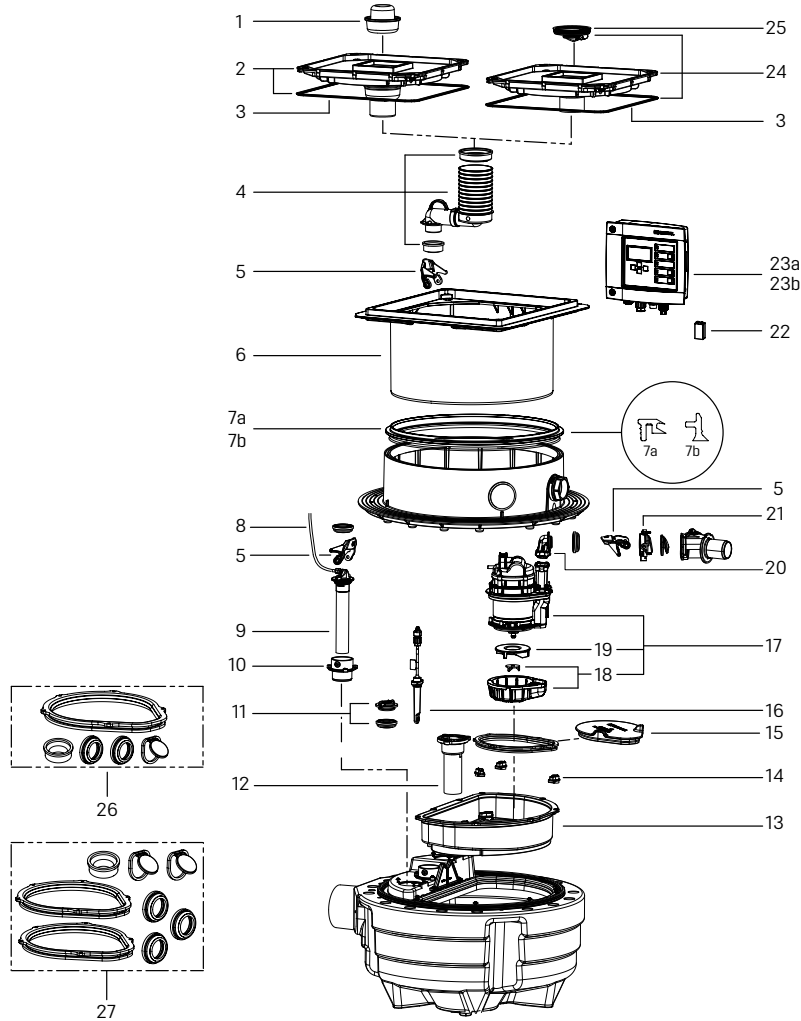
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate, black with drain and seal, up to model year 01/2020	83 046	19	Replacement blade set for KTP 1000 / SPZ 1000, with screws	28 075
2	Seal for cover plate 384 × 384 mm	680 025	20	Impeller KTP/SPZ 1000, without intake cover	680 035
3	Odour trap, sealing water height 50 mm	47 200	21	Swivel connection set suitable for pump SPZ 1000	681 133
4	Cover plate, stone grey, tileable, with drain and seal, up to 01/2020	83 055	22	Threaded connection for <i>Aqualift F Compact</i>	680 676
5	Connector, drain Ø 75, with seal and rubber seal	680 215	23	Pump coupling with one-handed closure	
6	One-handed closure for backflow preventer	680 018	23a	Mono, beginning model year 01/2016	680 486
7	Upper section System 400, lockable, silver grey, beginning model year 02/2020*	830 065	23b	Duo, beginning model year 01/2016	680 487
8	Profiled lip seal for upper section		24	Battery, 2x 9V6LR61	**
8a	up to model year 06/2014	680 026	25	Control unit	
8b	beginning model year 07/2014	680 150	25a	Comfort <i>Aqualift Mono</i> , 230 V	28 731
9	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071	25b	Comfort <i>Aqualift Duo</i> , 230 V	28 746
10	Immersion pipe <i>Aqualift F Compact</i> , 5 m hose, with horizontal pressure pipe connection	28 744	26	Cover plate, stone grey, tileable, with drain and seal, beginning 02/2020	830 055
11	Immersion pipe connector	28 734	27	Seal for cover plate, System 330 mm	686 114
12	Cover with seal	680 076	28	Drain cover, tileable, Lock & Lift, ABS	680 224
13	Splash protection set for optical probe	28 706	29	Release key for <i>Lock & Lift</i> insert gratings	680 702
14	Pump plate	28 733	30	Release key for <i>Lock & Lift</i> cover plates	67 007
15	Turn fastener for pump (1 ea.)	680 070	31	Cover plate, black with drain and seal, beginning model year 02/2020	830 056
16	Cover, <i>Aqualift F Compact</i> pump opening	28 732	32	Slotted insert grating, 138 × 138 mm, polymer	60 101S
17	Optical probe with 3 adapters, 5 m cable	80 888	33	Odour trap	680 696
18a	Replacement pump KTP/SPZ 1000, 230 V, with extended pressure pipe	28 739	34	Odour trap, <i>Multistop</i> , System 125	48 500
18b	Replacement pump SPZ 1000 resistant	680 951	35	Seal set for <i>Aqualift F Compact Mono</i>	680 453
			36	Seal set for <i>Aqualift F Compact Duo</i>	680 454

* Upper sections up to model 01/2020. Discontinued, replaced by upper section 830 065, cover 830 055 or 830 056 needed.

** Source locally

Lifting station *Aqualift F Compact Mono/Duo*

Installation in the floor slab, up to model year 01/2017



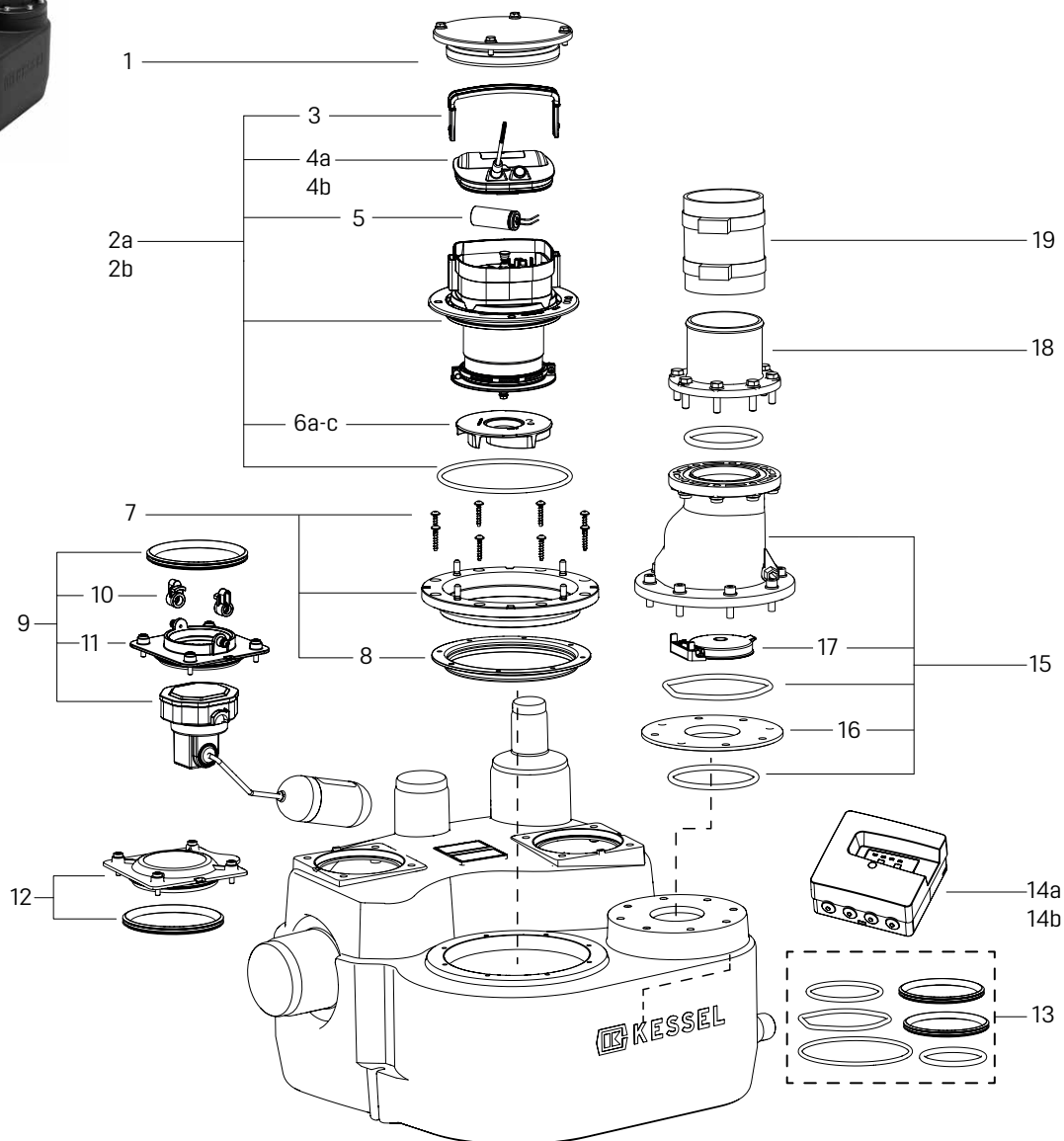
Item	Designation	Art. no.
1	Odour trap, sealing water height 50 mm	47 200
2	Cover plate, stone grey, tileable with drain and seal	83 055
3	Seal for cover plate 384 × 384 mm	680 025
4	Connector, drain Ø 75, with seal and rubber seal	680 215
5	One-handed closure for backflow preventer	680 018
6	Upper section, vertically adjustable up to 180 mm	83 061
7	Profiled lip seal for upper section	
7a	up to model year 06/2014	680 026
7b	beginning model year 07/2014	680 150
8	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071
9	Immersion pipe <i>Aqualift F Compact</i> , 5 m hose, with horizontal pressure pipe connection	28 744
10	Immersion pipe connector	28 734
11	Cover with seal	680 076
12	Splash protection set for optical probe	28 706
13	Pump plate	28 733
14	Turn fastener for pump (1 ea.)	680 070

Item	Designation	Art. no.
15	Cover, <i>Aqualift F Compact</i> pump opening	28 732
16	Optical probe with 3 adapters, 5 m cable	80 888
17	Replacement pump KTP/SPZ 1000, 230 V, with extended pressure pipe connection	28 739
18	Replacement blade set for KTP/SPZ 1000, with screws	28 075
19	Impeller KTP/SPZ 1000, without intake cover	680 035
20	Swivel connection set suitable for pump SPZ 1000	681 133
21	Pump connection suitable for pumping stations	680 065
22	Battery, 2x 9V6LR61	*
23	Control unit	
23a	Comfort <i>Aqualift Mono</i> , 230 V	28 731
23b	Comfort <i>Aqualift Duo</i> , 230 V	28 746
24	Cover plate, stone grey, tileable, with drain and seal incl. <i>Multistop</i> , beginning model year 01/2011	83 045
25	Odour trap, <i>Multistop</i> with integrated seal	43 500
26	Seal set for <i>Aqualift F Compact Mono</i>	680 453
27	Seal set for <i>Aqualift F Compact Duo</i>	680 454

* Source locally

Lifting station *Aqualift L Mono**

Free-standing installation

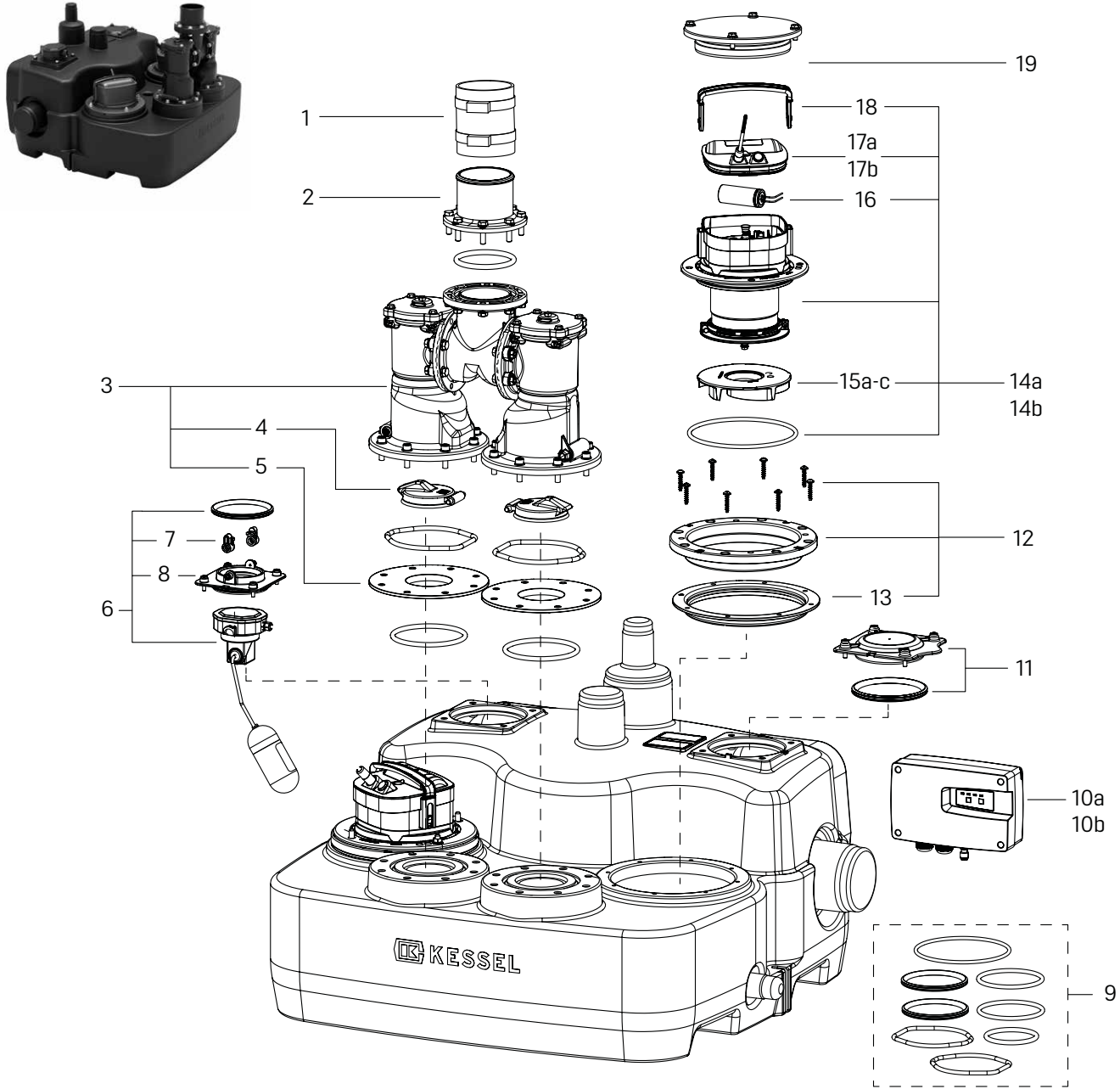


* Attention name change: Until 04/2024 *Aqualift F Basic*.

Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover for pump flange, d: 220 mm	680 460	9	Float switch set with seal	680 539
2a	Replacement pump <i>Aquadive</i> SPF1300	680 535	10	Locking lever set (2 pc.)	681 184
2b	Replacement pump <i>Aquadive</i> SPF2900	681 037	11	Adapter for float switch <i>Aqualift L</i>	681 183
3	Handle for pump	681 188	12	Cleaning cover incl. seal	680 538
4a	Replacement cover for pump SPF1300	681 186	13	Sealing gasket set	680 540
4b	Replacement cover for pump SPF2900	681 187	14a	Control unit Connect Mono, 230 V	680 541
5	Condenser 230V for SPF 1300	681 189	14b	Control unit Connect Mono, 400 V	681 093
6a	Impeller for Pump SPF 1300	680 536	15	Flap housing Mono	681 190
6b	Impeller for Pump SPF 2000	681 038	16	Damper support	681 192
6c	Impeller for Pump SPF 2900	681 185	17	Non-return flap with flap holder	680 548
7	Pump flange incl. seal and screws	680 537	18	Flange joint DN 80, for polymer fittings	28 713
8	Flange seal	680 549	19	Flexible coupling DN 80, L: 200 mm	28 662

Lifting station *Aqualift L Duo*

Free-standing installation

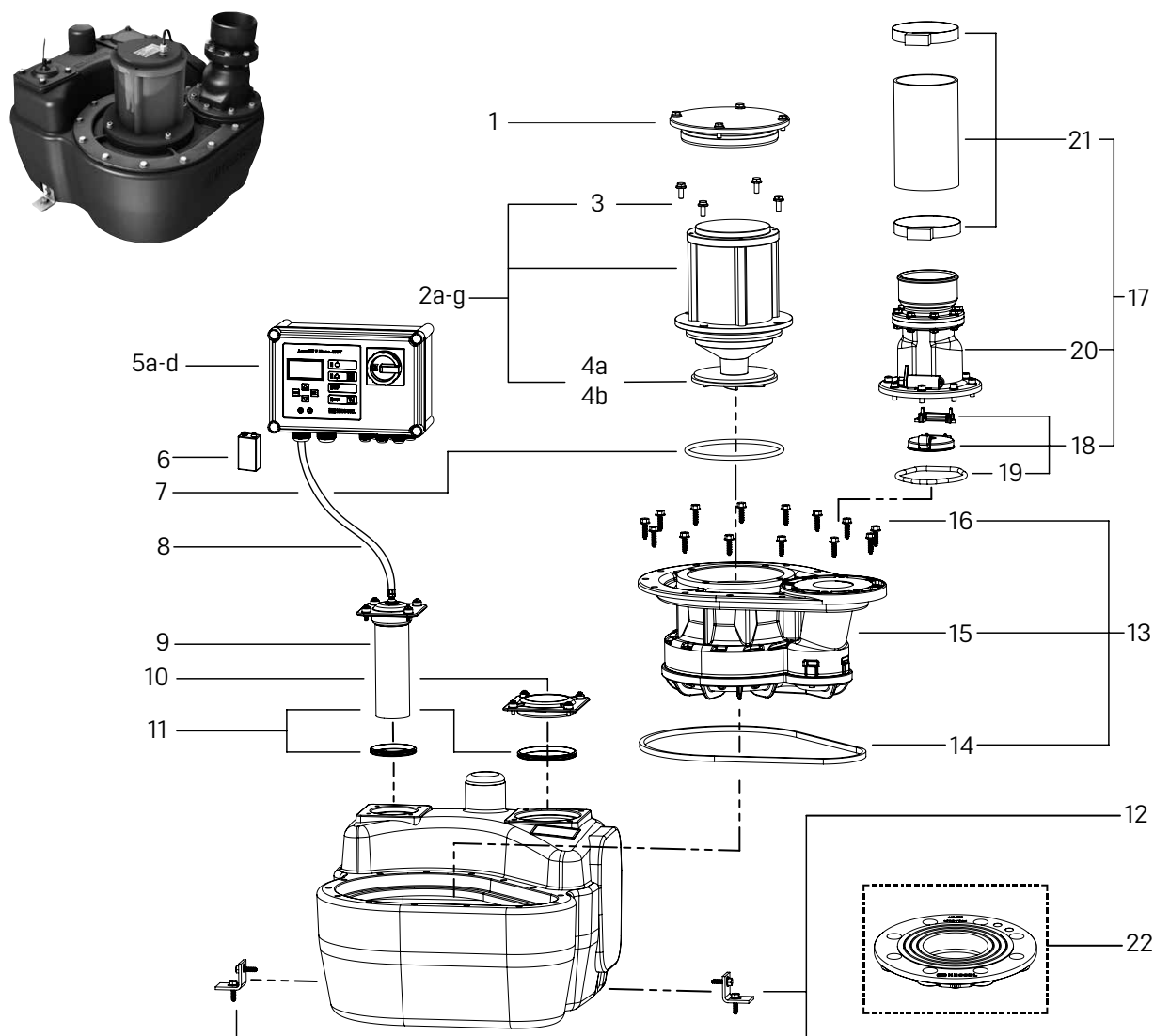


Item	Designation	Art. no.
1	Flexible coupling DN 80, L: 200 mm	28 662
2	Flange joint DN 80, for polymer fittings	28 713
3	Flap housing Duo	681 191
4	Non-return flap with flap holder	680 548
5	Damper support	681 192
6	Float switch set with seal	680 539
7	Locking lever set (2 pc.)	681 184
8	Adapter for float switch <i>Aqualift L</i>	681 183
9	Sealing gasket set	680 540
10a	Control unit Connect Duo 230 V	680 818
10b	Control unit Connect Duo 400 V	681 094
11	Cleaning cover incl. seal	680 538

Item	Designation	Art. no.
12	Pump flange incl. seal and screws	680 537
13	Flange seal	680 549
14a	Replacement pump <i>Aquadive</i> SPF1300	680 535
14b	Replacement pump <i>Aquadive</i> SPF2900	681 037
15a	Impeller for Pump SPF 1300	680 536
15b	Impeller for Pump SPF 2000	681 038
15c	Impeller for Pump SPF 2900	681 185
16	Condenser 230V for SPF 1300	681 189
17a	Replacement cover for pump SPF1300	681 186
17b	Replacement cover for pump SPF2900	681 187
18	Handle for pump	681 188
19	Cover for pump flange, d: 220 mm	680 460

Lifting station *Aqualift F*

Free-standing installation, beginning model year 04/2013



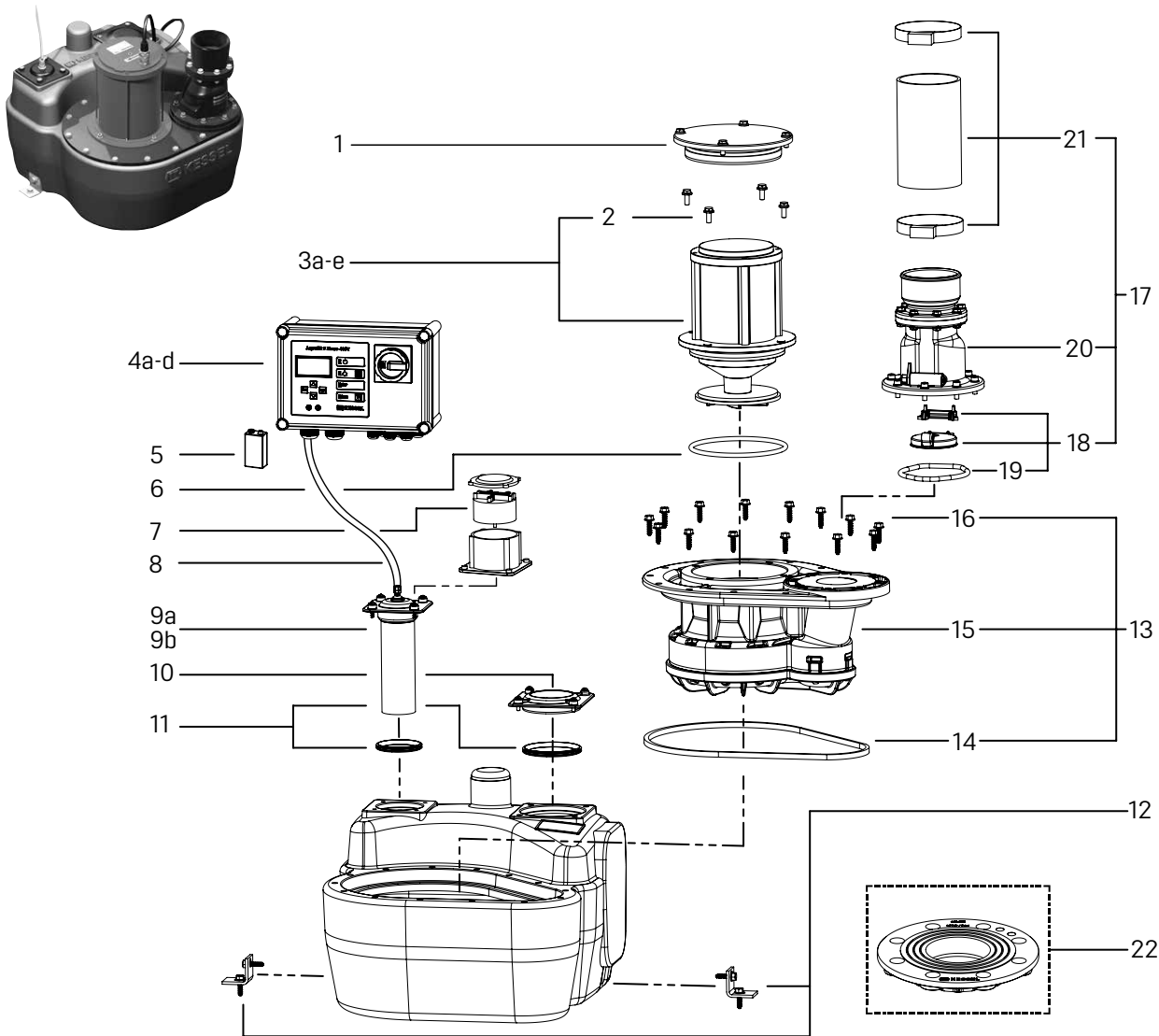
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover for pump flange, d: 220 mm	680 460	6	Battery, 2x 9V6LR61	**
2	Motor with impeller *		7	Flange seal for SPF 1400 - SPF 4500	680 052
2a	SPF 1400, S1, 230 V, without capacitor, 5 m cable	680 095	8	Pressure hose, 6 x 4 mm, 100 natural (sold by the metre)	680 071
2b	SPF 1400, S3, 230 V, with capacitor, 5 m cable	28 029	9	Immersion pipe, <i>Aqualift F Mono</i> , 5 m hose	680 055
2c	SPF 1400, S3, 230 V, with capacitor, 10 m cable	680 218	10	Cleaning cover, screwed, 160 x 140 mm	680 044
2d	SPF 1500, S3, 400 V, 5 m cable	28 028	11	Seal set for <i>Aqualift F</i>	28 608
2e	SPF 1500, S3, 400 V, 10 m cable	680 098	12	Attachment bracket with screws (2 ea.)	680 046
2f	SPF 3000, S3, 400 V, 5 m cable	28 027	13	Replacement set pump flange, <i>Aqualift F</i>	28 051
2g	SPF 3000, S3, 400 V, 10 m cable	680 221	14	Pump flange seal, <i>Aqualift F</i>	680 045
3	Bolt set for pump	28 609	15	Pump flange SPF 1400 - SPF 4500	680 050
4	Impeller		16	Screw set, galvanised (14 ea.)	680 047
4a	for SPF 1400 / 1500, for <i>Aqualift</i> lifting stations	680 643	17	Replacement set flap housing, <i>Aqualift F Mono</i> , Ø 110	28 676
4b	for SPF 3000, for <i>Aqualift</i> lifting stations	680 642	18	Flap set with rolling ring seal, flap and flap holder	680 053
5	Control unit*		19	Seal Ø 125	680 002
5a	Comfort <i>Aqualift Mono</i> , 230 V, without capacitor	28 731	20	Flap housing for Mono systems, without shut-off valve	680 060
5b	Comfort <i>Aqualift Mono</i> , 2.5 - 4.0 A, 400 V for SPF 1500	28 755	21	Flexible coupling Ø 110, for pressure pipes made of PE, 2 hose clamps	28 663
5c	Comfort <i>Aqualift Mono</i> , 4.0 - 6.3 A, 400 V for SPF 3000	28 756	22	Flange adapter Ø 80, for polymer fitting	28 714
5d	Standard <i>Aqualift F Mono</i> , 230 V with capacitor	680 062			

* The pump and control unit combination for 230 V systems, must include one capacitor.

** Source locally

Lifting station *Aqualift F*

Free-standing installation, up to model year 03/2013



Item	Designation	Art. no.
1	Cover for pump flange, d: 220 mm	680 460
2	Motor with impeller	
2a	SPF 1400, S1, 230 V, 5 m cable, without capacitor	680 095
2b	SPF 1500, S3, 400 V, 5 m cable	28 028
2c	SPF 3000, S3, 400 V, 5 m cable	28 027
2d	SPF 1500, S3, 400 V, 10 m cable	680 098
2e	SPF 3000, S3, 400 V, 10 m cable	680 221
3	Bolt set for pump	28 609
4	Control units*	
4a	Comfort, <i>Aqualift Mono</i> , 2.5 – 4.0 A, 400 V for SPF 1500	28 755
4b	Comfort <i>Aqualift Mono</i> , 4.0 – 6.3 A, 400 V for SPF 3000	28 756
4c	Comfort <i>Aqualift Mono</i> , 230 V, without capacitor	28 731
4d	Standard <i>Aqualift F Mono</i> , 230 V with capacitor	680 062
5	Battery, 2x 9V6LR61	**
6	Flange seal for SPF 1400 – SPF 4500	680 052
7	Pressure monitor, Mono, incl. seal	28 045
8	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071

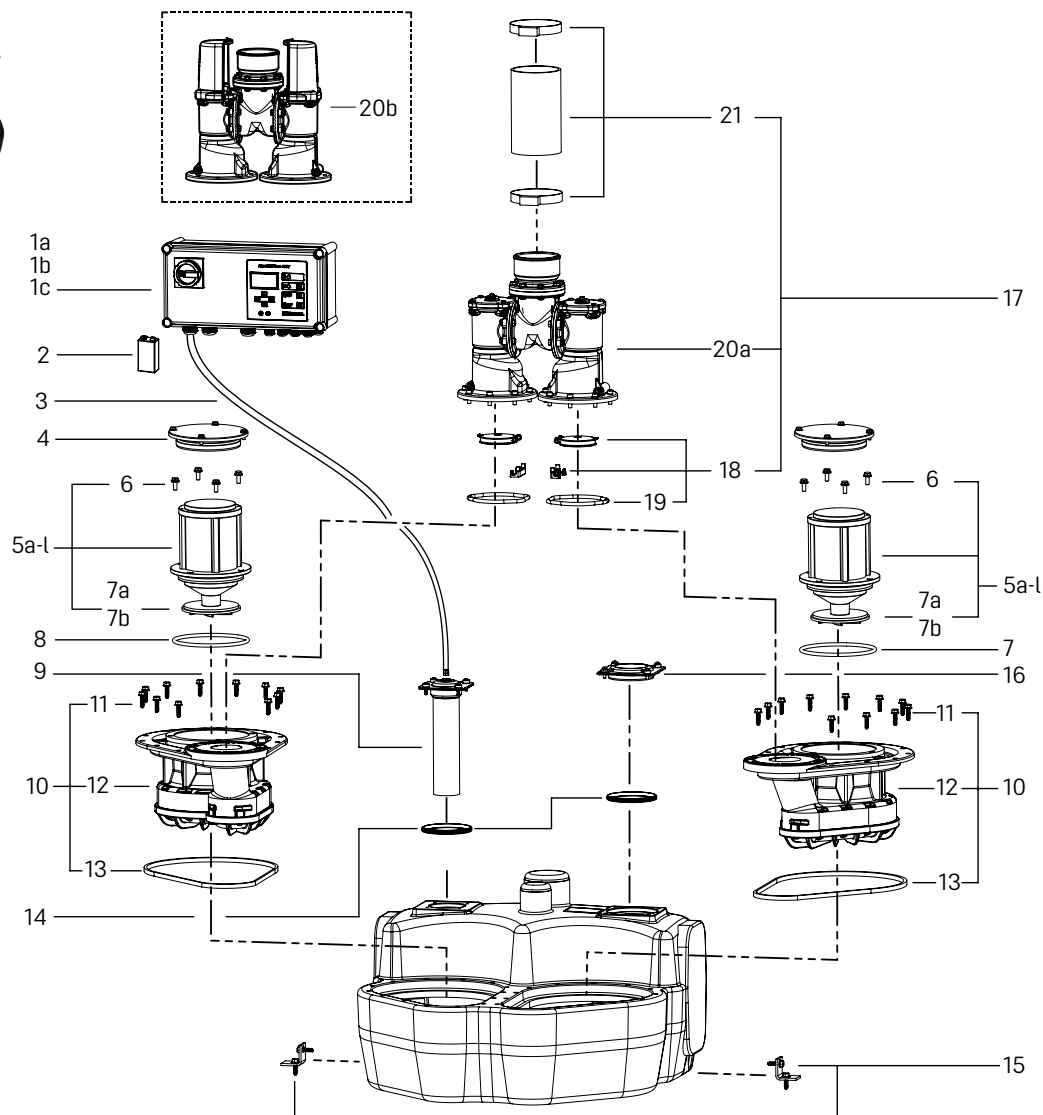
Item	Designation	Art. no.
9	Immersion pipe, <i>Aqualift F Mono</i>	
9a	with 10 m cable, up to model year 12/2009	680 048
9b	with 5 m hose, beginning model year 01/2010	680 055
10	Cleaning cover, screwed, 160 × 140 mm	680 044
11	Seal set for <i>Aqualift F</i>	28 608
12	Attachment bracket with screws (2 ea.)	680 046
13	Replacement pump flange set, <i>Aqualift F</i>	28 051
14	Pump flange seal, <i>Aqualift F</i>	680 045
15	Pump flange SPF 1400 – SPF 4500	680 050
16	Screw set, galvanised (14 ea.)	680 047
17	Replacement pump housing set, <i>Aqualift F Mono</i> , Ø 110	28 676
18	Flap set with rolling ring seal, flap and flap holder	680 053
19	Seal Ø 125	680 002
20	Flap housing for Mono systems, without shut-off valve	680 060
21	Flexible coupling Ø 110, for pressure pipes made of PE, 2 hose clamps	28 663
22	Flange adapter Ø 80, for polymer fitting	28 714

* For control units, see page 112

** Source locally

Lifting station *Aqualift F Duo*

Free-standing installation, beginning model year 04/2013

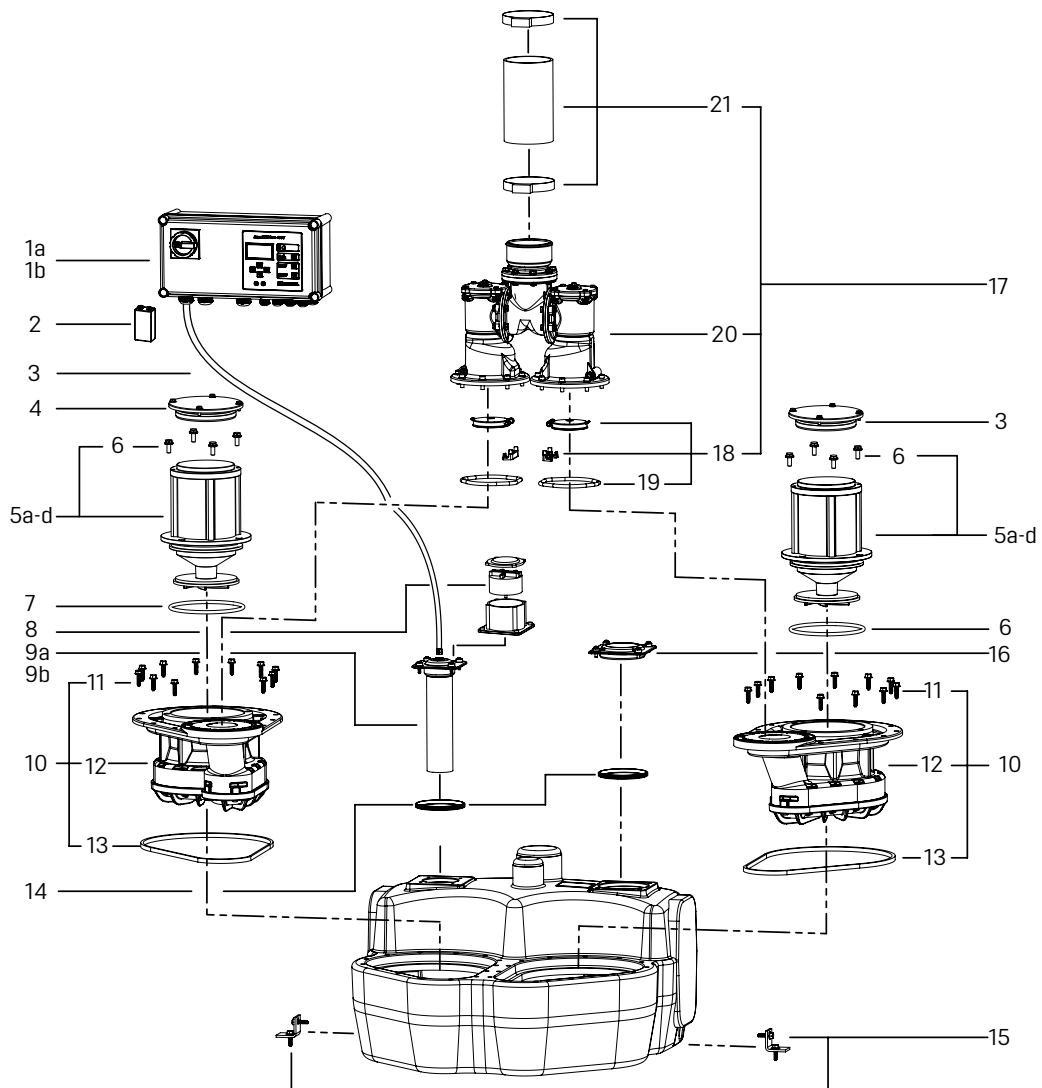


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit		6	Bolt set for pump	28 609
1a	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 2.5 – 4.0 A, for SPF 1500	28 757	7	Impeller	
1b	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 4.0 – 6.3 A, for SPF 3000	28 758	7a	for SPF 1400 / 1500, for <i>Aqualift</i> lifting stations	680 643
1c	Comfort <i>Aqualift Duo</i> , 230 V for SPF 1400	28 746	7b	for SPF 3000, for <i>Aqualift</i> lifting stations	680 642
2	Battery, 2x 9V6LR61	*	8	Flange seal for SPF 1400 – SPF 4500	680 052
3	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071	9	Pressure sensor for <i>Aqualift F</i> and <i>S Duo</i> , 5 m cable, beginning 01/2010	680 056
4	Cover for pump flange, d: 220 mm	680 460	10	Replacement pump flange set, <i>Aqualift F</i>	28 051
5	Motor with impeller		11	Screw set, galvanised (14 ea.)	680 047
5a	SPF 1400, S3, 230 V, with capacitor, 5 m cable	28 029	12	Pump flange SPF 1400 – SPF 4500	680 050
5b	SPF 1400, S3, 230 V, with capacitor, 10 m cable	680 218	13	Pump flange seal, <i>Aqualift F</i>	680 045
5c	SPF 1400, S1, 230 V, with capacitor, with 5 m cable	28 066	14	Seal set for <i>Aqualift F</i>	28 608
5d	SPF 1400, S1, 230 V, with capacitor, with 10 m cable	680 219	15	Attachment bracket with screws (2 ea.)	680 046
5e	SPF 1500, S3, 400 V, 5 m cable	28 028	16	Cleaning cover, screwed, 160 × 140 mm	680 044
5f	SPF 1500, S3, 400 V, 10 m cable	680 098	17	Flap housing with pressure hose, Ø 110	28 677
5g	SPF 1500, S1, 400 V, 5 m cable	28 065	18	Flap set with rolling ring seal, flap and flap holder	680 053
5h	SPF 1500, S1, 400 V, 10 m cable	680 445	19	Rolling ring Ø 125	680 002
5i	SPF 3000, S3, 400 V, 5 m cable	28 027	20a	Flap housing for Duo systems, without shut-off valve	680 061
5j	SPF 3000, S3, 400 V, 10 m cable	680 221	20b	Flap housing for Duo systems with two shut-off valves	680 419
5k	SPF 3000, S1, 400 V, 5 m cable	28 064	21	Flexible coupling Ø 110, for pressure pipes made of PE, 2 hose clamps	28 663
5l	SPF 3000, S1, 400 V, 10 m cable	680 532			

* Source locally

Lifting station *Aqualift F Duo*

Free-standing installation, up to model year 03/2013



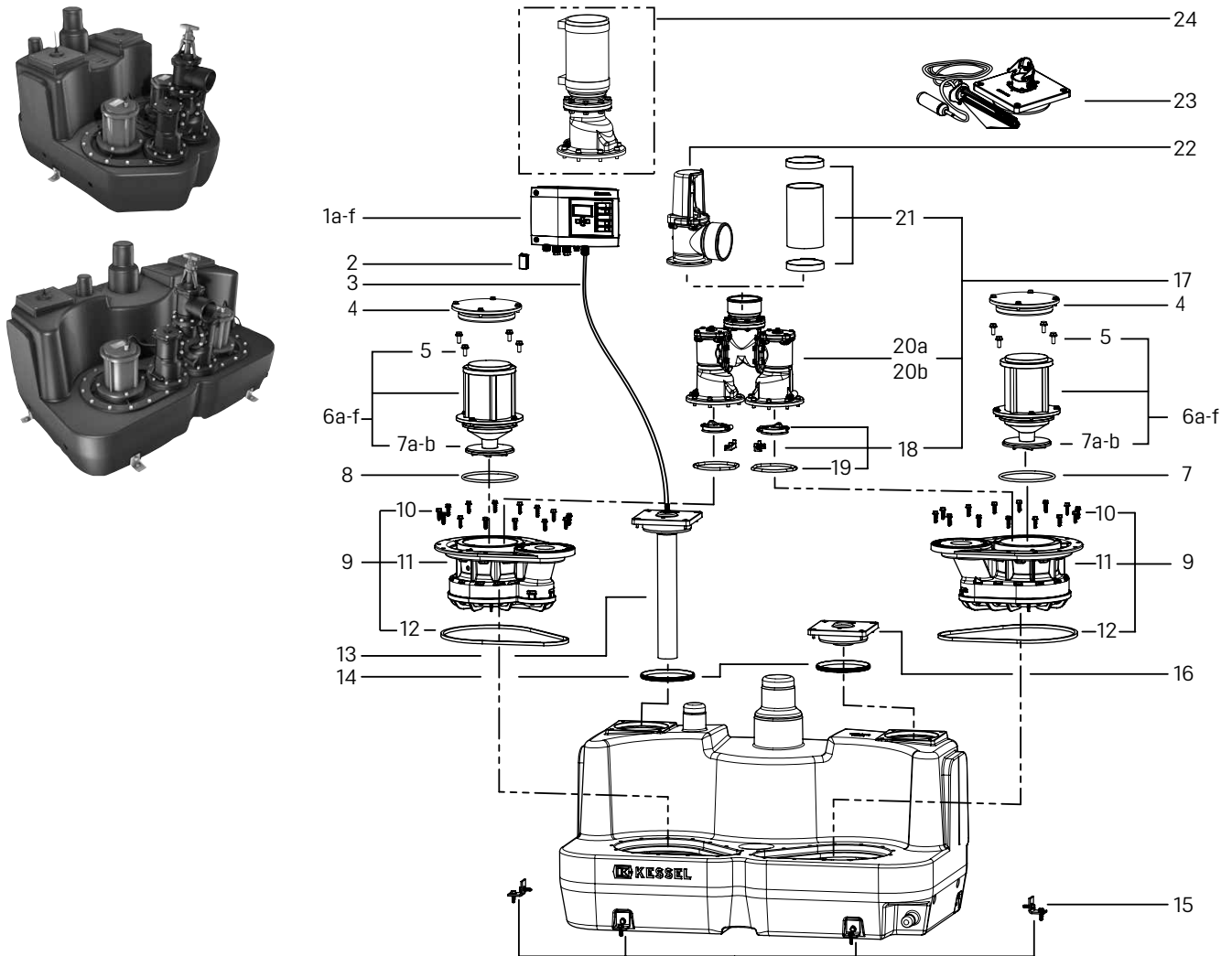
Item	Designation	Art. no.
1	Control units	
1a	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 2.5 - 4.0 A, for SPF 1500	28 757
1b	Comfort, <i>Aqualift Duo</i> , 400 V, 2 × 4.0 - 6.3 A, for SPF 3000	28 758
2	Battery, 2x 9V6LR61	*
3	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071
4	Cover for pump flange, d: 220 mm	680 460
5	Motor with impeller	
5a	SPF 1500, S3, 400 V, 5 m cable	28 028
5b	SPF 3000, S3, 400 V, 5 m cable	28 027
5c	SPF 1500, S3, 400 V, 10 m cable	680 098
5d	SPF 3000, S3, 400 V, 10 m cable	680 221
6	Bolt set for pump	28 609
7	Flange seal for SPF 1400 - SPF 4500	680 052
8	Pressure monitor, Duo, with seal, up to model year 12/2009	28 046
9	Pressure sensor	

Item	Designation	Art. no.
9a	<i>Duo</i> , 10 m cable, up to model year 12/2009	680 049
9b	for <i>Aqualift F</i> and <i>S Duo</i> , 5 m cable, beginning model year 01/2010	680 056
10	Replacement pump flange set, <i>Aqualift F</i>	28 051
11	Screw set, galvanised (14 ea.)	680 047
12	Pump flange SPF 1400 - SPF 4500	680 050
13	Pump flange seal, <i>Aqualift F</i>	680 045
14	Seal set for <i>Aqualift F</i>	28 608
15	Attachment bracket with screws (2 ea.)	680 046
16	Cleaning cover, screwed, 160 × 140 mm	680 044
17	Flap housing with pressure hose, Ø 110	28 677
18	Flap set with rolling ring seal, flap and flap holder	680 053
19	Seal Ø 125	680 002
20	Flap housing for Duo systems, without shut-off valve	680 061
21	Flexible coupling Ø 110, for pressure pipes made of PE, 2 hose clamps	28 663

* Source locally

Lifting station *Aqualift F XL*, fittings made of polymer

(up to SPF 3000), Free-standing installation

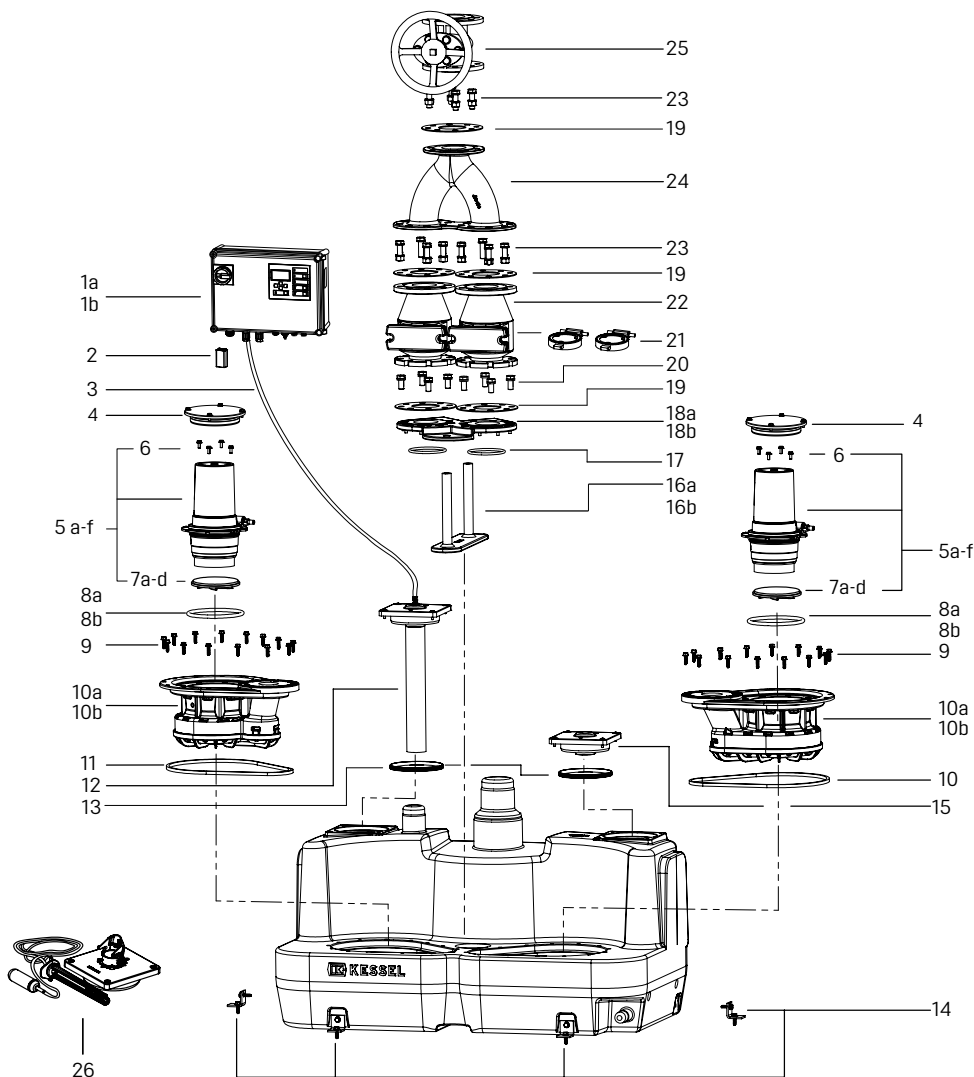
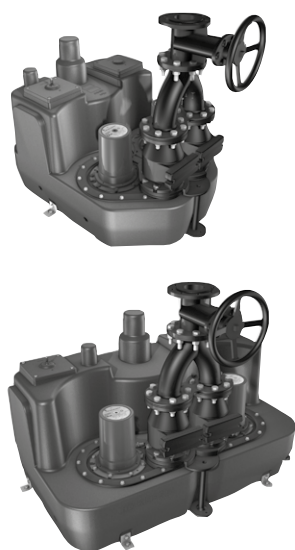


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit		7b	Impeller for SPF 3000, for <i>Aqualift</i> lifting stations	680 642
1a	Comfort <i>Aqualift Mono</i> , 230 V	28 731	8	Flange seal for SPF 1400 – 4500	680 052
1b	Comfort <i>Aqualift Duo</i> , 230 V	28 746	9	Replacement pump flange set, <i>Aqualift F</i>	28 051
1c	Comfort <i>Aqualift Mono</i> , 2.5 – 4.0 A, 400 V for SPF 1500	28 755	10	Screw set, galvanised (14 ea.)	680 047
1d	Comfort <i>Aqualift Mono</i> , 4.0 – 6.3 A, 400 V for SPF 3000	28 756	11	Pump flange for SPF 1400 – 4500	680 050
1e	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 2.5 – 4.0 A, for SPF 1500	28 757	12	Pump flange seal, <i>Aqualift F</i>	680 045
1f	Comfort, <i>Aqualift Duo</i> , 400 V, 2 × 4.0 – 6.3 A, for SPF 3000	28 758	13	Immersion pipe <i>Aqualift F XL</i> , 5 m hose	28 050
2	Battery, 2x 9V6LR61	*	14	Seal Ø 160 for access cover	680 003
3	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071	15	Attachment bracket with screws (2 ea.)	680 046
4	Cover for pump flange, d: 220 mm	680 460	16	Cleaning cover, screwed, Ø 160	680 421
5	Bolt set for pump	28 609	17	Flap housing with pressure hose, Ø 110	28 677
6	Motor with impeller		18	Flap set with rolling ring seal, flap and flap holder	680 053
6a	SPF 1400, S3, 230 V, with capacitor, 5 m cable	28 029	19	Seal Ø 125	680 002
6b	SPF 1400, S1, 230 V, with capacitor, with 5 m cable	28 066	20a	Flap housing for Duo systems, without shut-off valve	680 061
6c	SPF 1500, S3, 400 V, 5 m cable	28 028	20b	Flap housing for Mono systems, without shut-off valve	680 060
6d	SPF 1500, S1, 400 V, 5 m cable	28 065	21	Flexible coupling Ø 110, for pressure pipes made of PE, 2 hose clamps	28 663
6e	SPF 3000, S3, 400 V, 5 m cable	28 027	22	Shut-off valve Ø 110, polymer, horizontal pressure pipe connection	28 683
6f	SPF 3000, S1, 400 V, 5 m cable	28 064	23	Float switch, additional alarm for lifting stations	28 014
7a	Impeller for SPF 1400 / 1500, for <i>Aqualift</i> lifting stations	680 643	24	Replacement set flap housing, <i>Aqualift F Mono</i> , Ø 110	28 676

* Source locally

Lifting station *Aqualift F XL*, cast iron fittings

Free-standing installation



Item	Designation	Art. no.
1	Control unit	
1a	Comfort, <i>Aqualift Duo</i> , 400 V, 2 × 4.0 – 6.3 A, for SPF 3000	28 758
1b	Comfort, <i>Aqualift Duo</i> , 400 V, 2 × 6.3 – 10.0 A, for SPF 4500 and 5500	28 783
2	Battery, 2x 9V6LR61	*
3	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071
4	Cover for pump flange, d: 220 mm	680 460
5	Motor with impeller	
5a	SPF 3000, S3, 400 V, 5 m cable	28 027
5b	SPF 3000, S1, 400 V, 5 m cable	28 064
5c	SPF 4500, S3, 400 V, 5 m cable	28 026
5d	SPF 4500, S1, 400 V, 5 m cable	28 063
5e	SPF 5500, S3, 400 V, 5 m cable	28 025
5f	SPF 5500E, S3, 400 V, 5 m cable	680 727
6	Bolt set for pump (4 ea.) **	28 609
7	Impeller	
7a	SPF 3000, for <i>Aqualift</i> lifting stations	680 642
7b	SPF 4500, for <i>Aqualift</i> lifting stations	680 641
7c	SPF 5500, for <i>Aqualift</i> lifting stations	680 716
7d	SPF 5500E, for <i>Aqualift</i> lifting stations	681 039
8a	Flange seal for SPF 1400 – 4500 and SPF 5500E	680 052

Item	Designation	Art. no.
8b	Flange seal for SPF 5500	680 120
9	Screw set, galvanised (14 ea.)	680 047
10a	Pump flange for SPF 1400 – SPF 4500 and SPF 5500E	680 050
10b	Pump flange for SPF 5500	680 550
11	Pump flange seal, <i>Aqualift F</i>	680 045
12	Immersion pipe <i>Aqualift F XL</i> , 5 m hose	28 050
13	Seal Ø 160 for access cover	680 003
14	Attachment bracket with screws (2 ea.)	680 046
15	Cleaning cover, screwed, Ø 160	680 421
16	Support bracket a: for 200 l tank b: for 300/450 l tank	on request
17	Seal Ø 110	680 001
18	Mounting plate a: for 200 l tank b: for 300/450 l tank	on request
19	Flat seal Ø 80	28 043
20	Screw set M16x40 (4 pc)	681 182
21	Non-return flap made of polymer, Ø 80	28 074
22	Backflow preventer, Ø 80, grey iron	28 021
23	Screw set for moulded parts DN80/DN100, M16x65 (4 pc)	28 078
24	Y-pipe flange coupling, Ø 80	28 042
25	Shut-off valve Ø 80, grey cast iron, with handwheel	28 041
26	Float switch, additional alarm for lifting stations	28 014

* Source locally

** Must be ordered for pump SPF 5500 2 ×.

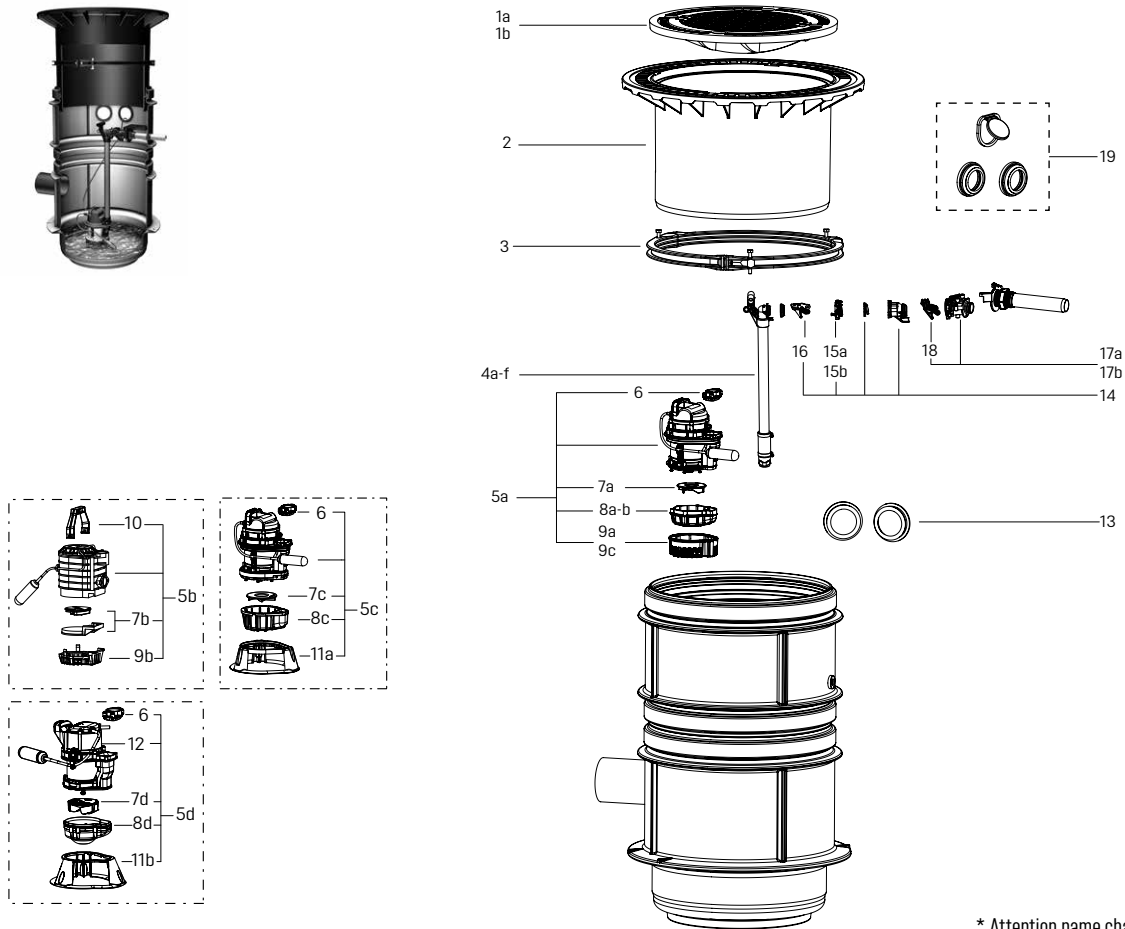
3.2 Pumping stations

3.2 Pumping stations	91
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* Rebranding launched in 2022.
See product pages for legacy brand names.

Pumping station *Aquapump Medium**

in the chamber system Ø 600 mm with float switch, installation in the ground



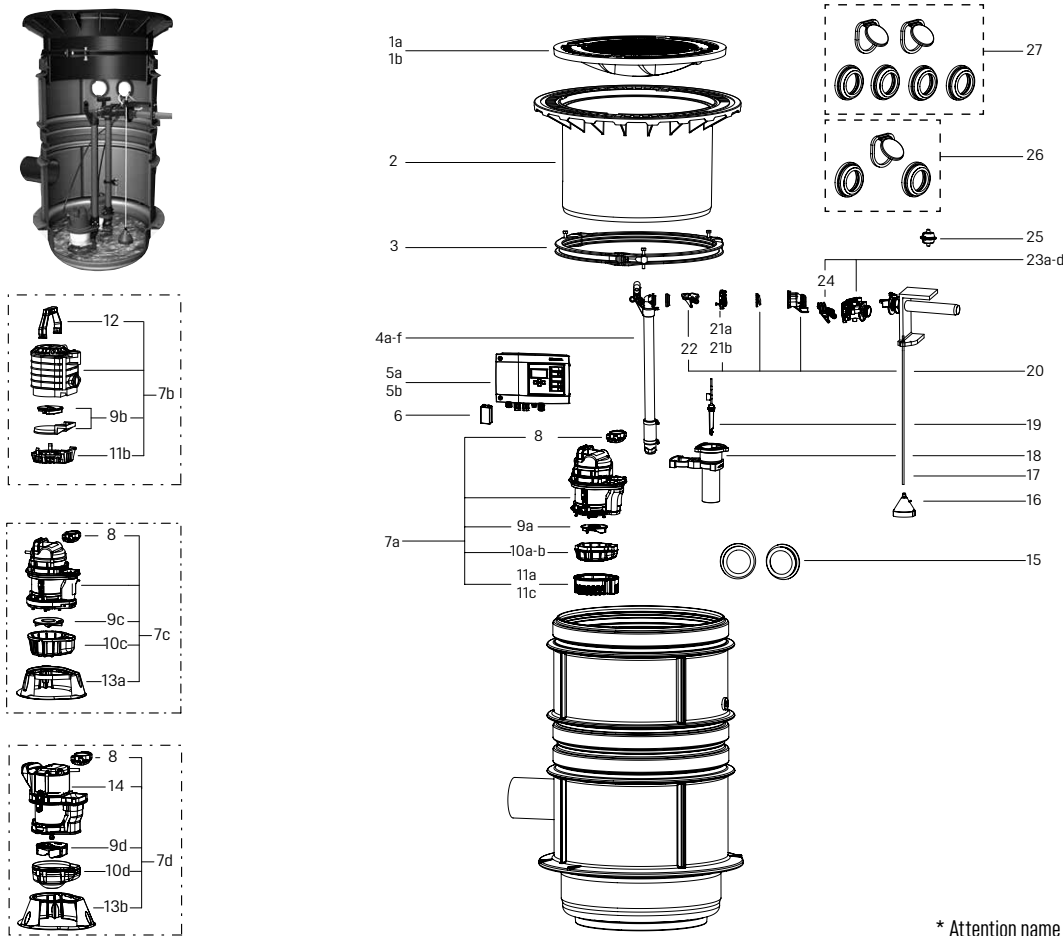
* Attention name change: Until 12/2022 Aqualift S.

Item	Designation	Art. no.	Item	Designation	Art. no.
1a	Cover plate class B, grey cast iron with concrete fill	860 131	8	Spiral housing	
1b	Cover plate class D, grey cast iron	680 059	8a	for KTP 1000 up to model year 03/2014	680 118
2	Upper Section LW 600	860 152	8b	for KTP 1000, ball passage 10 mm, beginning model year 04/2014	680 364
3	Clamping ring for upper sections d: 600 mm	680 276	8c	for GTF 1200, ball passage 30 mm	680 363
4	Riser (up to model year 01/2016)		8d	for GTF 600, free ball passage 30 mm	680 888
4a	Riser length approx. 200 mm	680 112	9	Intake cage	
4b	Riser length approx. 640 mm	680 113	9a	KTP 1000, with push-fit fastener	680 106
4c	Riser length approx. 1130 mm	680 114	9b	KTP 500 with push-fit fastener	680 004
	Riser (beginning model year 02/2016)		9c	KTP 1000 for faecal-free wastewater, 10 mm	680 361
4d	Riser length approx. 200 mm	680 449	10	Pump handle for submersible pump KTP 500	680 007
4e	Riser length approx. 640 mm	680 450	11a	Pump stand for pumping stations <i>Aqualift S</i>	680 362
4f	Riser length approx. 1130 mm	680 451	11b	Pump stand GTF 600, free ball passage 30 mm	680 889
5	Replacement pump		12	Pump cover GTF 500 Cable length 10 m, with floater	680 789
5a	KTP 1000 with float switch	28 860	13	Conduit pipe seal, Ø 110	850 117
5b	KTP 500	**	14	Flap holder with non-return flap	680 457
5c	GTF 1200 with float switch for pumping station	680 594	15	Pump connection suitable for pumping stations	
5d	GTF 600, with float switch	680 880	15a	up to model year 12/2015	680 065
6	Pressure connection adaptor, square to round, with O-ring and screws.	681 172	15b	beginning model year 01/2016	680 476
7	Impeller		16	One-handed closure for backflow preventer	680 018
7a	for KTP 1000, without intake cover, without spiral housing	680 035	17	Pump coupling for <i>Aqualift S Mono</i>	
7b	for KTP 500, with intake cover	28 038	17a	up to model year 01/2016	680 109
7c	for GTF 1200, ball passage 30 mm, without spiral housing	680 366	17b	beginning model year 02/2016	680 479
7d	for GTF 600, free ball passage 30 mm	680 887	18	One-handed closure for threaded connection, black	680 698
			19	Seal set for <i>Aqualift S</i> Ø 600/1000, <i>Mono</i>	680 490

** Will be replaced by new pump GTF 600, art. no. 680 880

Pumping station *Aquapump Medium Mono / Duo**

in the chamber system Ø 600 mm with SDS control unit, installation in the ground



* Attention name change: Until 12/2022 Aqualift S.

Item	Designation	Art. no.	Item	Designation	Art. no.
1a	Cover plate, class B, grey cast iron with concrete fill	860 131	10c	Spiral housing for GTF 1200, ball passage 30 mm	680 363
1b	Cover plate, class D, grey cast iron	680 059	10d	Spiral housing for GTF 600, free ball passage 30 mm	680 888
2	Upper Section LW 600	860 152	11a	Intake cage for KTP 1000, with push-fit fastener	680 106
3	Clamping ring for upper sections d: 600 mm	680 276	11b	Intake cage with push-fit fastener, for KTP 500	680 004
4	Riser (up to model year 01/2016)		11c	Intake cage for KTP 1000 for faecal-free wastewater, 10 mm	680 361
4a	Riser length approx. 200 mm	680 112	12	Pump handle for submersible pump KTP 500	680 007
4b	Riser length approx. 640 mm	680 113	13a	Pump stand for pumping stations <i>Aqualift S</i>	680 362
4c	Riser length approx. 1130 mm	680 114	13b	Pump stand GTF 600, free ball passage 30 mm	680 889
	Riser (beginning model year 02/2016)		14	Pump cover GTF 500 Cable length 10 m, coded plug	680 787
4d	Riser length approx. 200 mm	680 449	15	Conduit pipe seal, Ø 110	850 117
4e	Riser length approx. 640 mm	680 450	16	Submersible pressure switch without hose	680 108
4f	Riser length approx. 1130 mm	680 451	17	Pressure hose, 6 × 4 mm, 100 natural (sold by the metre)	680 071
5a	Control unit, Comfort, <i>Aqualift Mono</i> , 230 V**	28 731	18	Splash protection set for optical probe	28 706
5b	Control unit, Comfort, <i>Aqualift Duo</i> , 230 V**	28 746	19	Optical probe, 15 m cable	80 988
6	Battery, 2x 9V6LR61	***	20	Flap holder with non-return flap	680 457
7a	Replacement pump KTP 1000, without float switch	28 760	21a	Pump connection suitable for pumping stations, up to model year 12/2015	680 065
7b	Replacement pump KTP 500	****	21b	Pump connection suitable for pumping stations, beginning 01/2016	680 476
7c	Replacement pump GTF 1200 without float switch for pumping station	680 595	22	One-handed closure for backflow preventer	680 018
7d	Replacement pump GTF 600	680 881	23a	Pump coupling Mono up to model year 01/2016	680 109
8	Pressure connection adaptor, square to round, with O-ring and screws.	681 172	23b	Pump coupling Duo up to model year 01/2016	680 110
9a	Impeller for KTP 1000, without intake cover, without spiral housing	680 035	23c	Pump coupling Mono beginning model year 02/2016	680 479
9b	Impeller KTP 500, with intake cover	28 038	23d	Pump coupling Duo beginning model year 02/2016	680 480
9c	Impeller for GTF 1200, ball passage 30 mm, without spiral housing	680 366	24	One-handed closure for threaded connection, black	680 698
9d	Impeller for GTF 600, free ball passage 30 mm	680 887	25	Clamp for hydrostatic sensor and submersible pressure sensor	680 729
10a	Spiral housing for KTP 1000 up to model year 03/2014	680 118	26	Seal set for <i>Aqualift S</i> Ø 600/1000, Mono	680 490
10b	Spiral housing, KTP 1000, ball passage 10 mm, beginning 04/2014	680 364	27	Seal set for <i>Aqualift S</i> Ø 600/1000, Duo	680 491

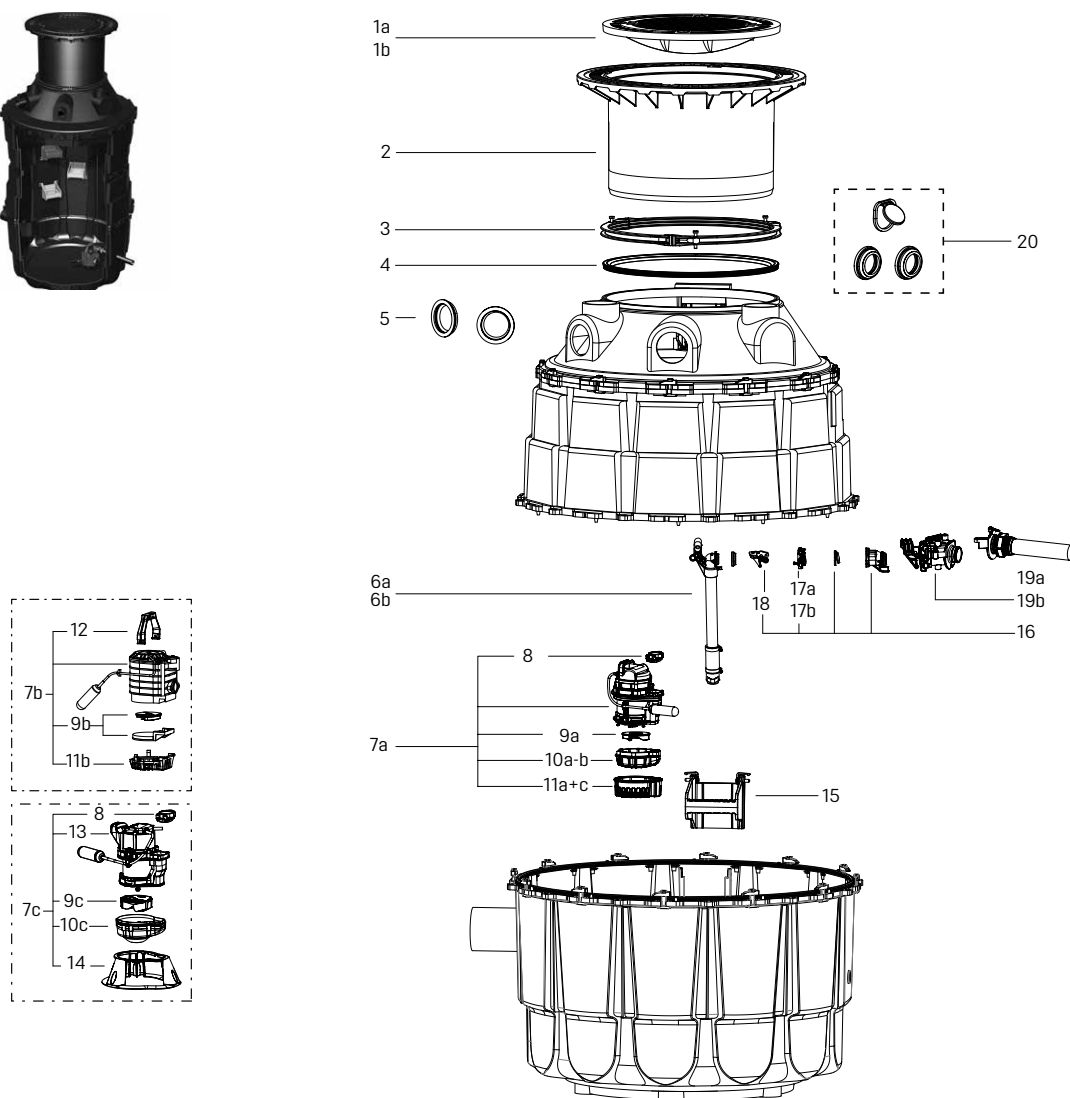
** Older control units are being replaced. See overview on page 113

*** Source locally

**** Will be replaced by new pump GTF 600, art. no. 680 881

Pumping station *Aqualift S* in the chamber system Ø 1000 mm

with float switch, installation in the ground, up to model year 12/2016

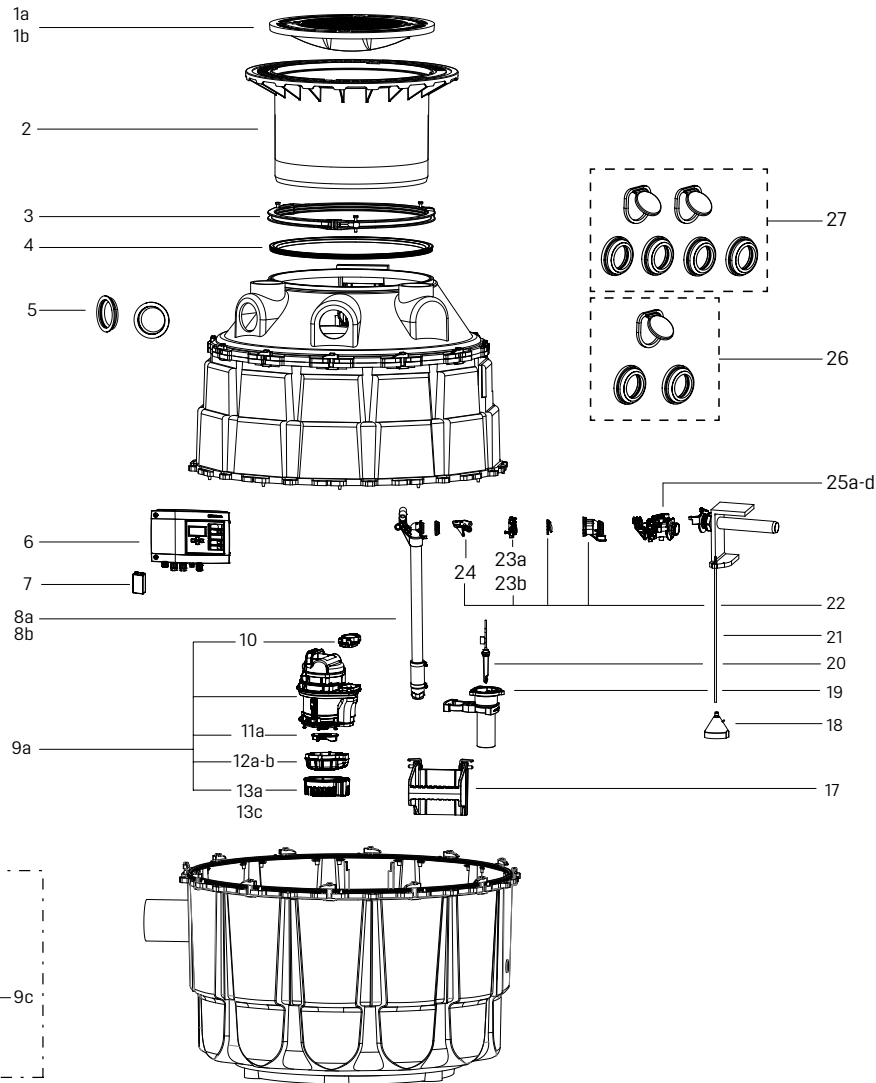


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover		10a	for KTP 1000 up to model year 03/2014	680 118
1a	class B, grey cast iron with concrete fill	860 131	10b	for KTP 1000, ball passage 10 mm, beginning model year 04/2014	680 364
1b	class D, grey cast iron	680 059	10c	for GTF 600, free ball passage 30 mm	680 888
2	Upper Section LW 600	860 152	11	Intake cage	
3	Clamping ring for upper sections Ø 600 mm	680 276	11a	for KTP 1000, with push-fit fastener	680 106
4	Seal for upper section Ø 600	680 277	11b	for KTP 500, with push-fit fastener	680 004
5	Conduit pipe seal, Ø 110	850 117	11c	for KTP 1000, for faecal-free wastewater, 10 mm	680 361
6	Riser		12	Pump handle for submersible pump KTP 500	680 007
6a	up to model year 01/2016: Riser length 800 - 1250 mm	680 112	13	Pump cover GTF 500 Cable length 10 m, with floater	680 789
6b	beginning model year 02/2016: Riser length 800 - 1250 mm	680 449	14	Pump stand GTF 600, free ball passage 30 mm	680 889
7	Replacement pump		15	Access steps made of polymer, with fastening bolt	860 110
7a	KTP 1000 with float switch	28 860	16	Flap holder with non-return flap	680 457
7b	KTP 500	*	17	Pump connection suitable for pumping stations	
7c	GTF 600, with float switch	680 880	17a	up to model year 12/2015	680 065
8	Pressure connection adaptor, square to round, with O-ring and screws.	681 172	17b	beginning model year 01/2016	680 476
9	Impeller		18	One-handed closure for backflow preventer	680 018
9a	for KTP 1000, without intake cover, without spiral housing	680 035	19	Pump coupling <i>Aqualift S Mono</i>	
9b	for KTP 500, with intake cover	28 038	19a	up to model year 01/2016	680 109
9c	for KTP 600, free ball passage 30 mm	680 887	19b	beginning model year 02/2016	680 479
10	Spiral housing		20	Seal set for <i>Aqualift S</i> Ø 600/1000, Mono	680 490

* Will be replaced by new pump GTF 600, art. no. 680 880

Pumping station *Aqualift S Mono/Duo*

in the chamber system Ø 1000 mm with SDS control unit, installation in the ground, up to model year 12/2016



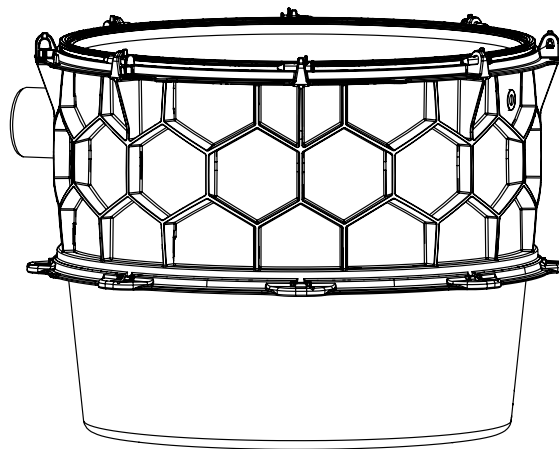
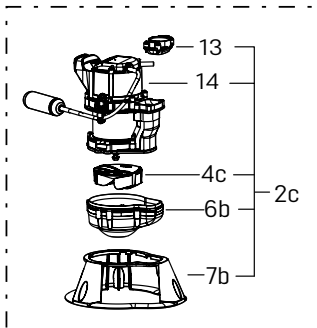
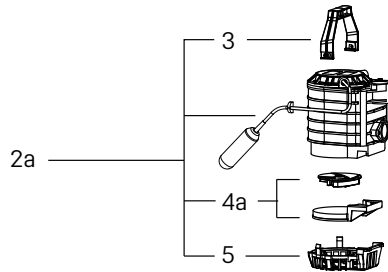
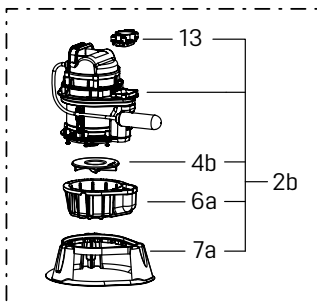
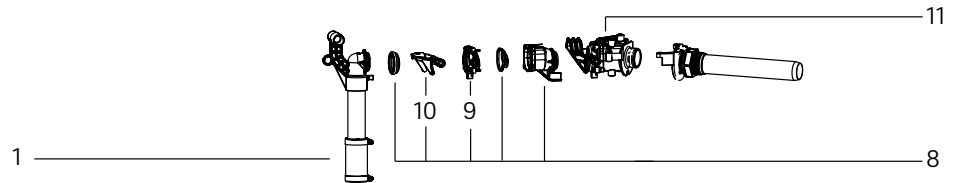
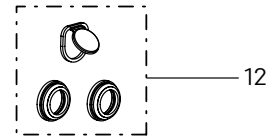
Item	Designation	Art. no.	Item	Designation	Art. no.
1a	Cover, class B, grey cast iron with concrete fill	860 131	13b	Intake cage with push-fit fastener, for KTP 500	680 004
1b	Cover, class D, grey cast iron	680 059	13c	KTP 1000 for faecal-free wastewater, 10 mm	680 361
2	Upper Section LW 600	860 152	14	Pump handle for submersible pump KTP 500	680 007
3	Clamping ring for upper sections Ø 600 mm	680 276	15	Pump cover GTF 500 Cable length 10 m, coded plug	680 787
4	Seal for upper section Ø 600	680 277	16	Pump stand GTF 600, free ball passage 30 mm	680 889
5	Conduit pipe seal, Ø 110	850 117	17	Access steps made of polymer, with fastening bolt	860 110
6	Control unit	*	18	Submersible pressure switch without hose	680 108
7	Battery, 2x 9V6LR61	**	19	Splash protection set for optical probe	28 706
8a	Riser up to model year 01/2016: Riser length 800 - 1250 mm	680 112	20	Optical probe with 3 adapters, 5 m cable	80 888
8b	Riser beginning model year 02/2016: Riser length 800 - 1250 mm	680 449	21	Pressure hose, 6 x 4 mm, 100 natural (sold by the metre)	680 071
9a	Replacement pump KTP 1000, without float switch	28 760	22	Flap holder with non-return flap	680 457
9b	Submersible pump KTP 500	***	23a	Pump connection suitable for pumping stations, up to model year 12/2015	680 065
9c	Replacement pump GTF 600	680 881	23b	Pump connection suitable for pumping stations, beginning 01/2016	680 476
10	Pressure connection adaptor, square to round, with O-ring and screws.	681 172	24	One-handed closure for backflow preventer	680 018
11a	Impeller for KTP 1000, without intake cover, without spiral housing	680 035	25	Pump coupling, <i>Aqualift S</i>	
11b	Impeller KTP 500, with intake cover	28 038	25a	Mono up to model year 01/2016	680 109
11c	Impeller for GTF 600, free ball passage 30 mm	680 887	25b	Duo up to model year 01/2016	680 110
12a	Spiral housing KTP 1000 up to model year 03/2014	680 118	25c	Mono beginning model year 02/2016	680 479
12b	Spiral housing KTP 1000, ball passage 10 mm, beginning 04/2014	680 364	25d	Duo beginning model year 02/2016	680 480
12c	Spiral housing for GTF 600, free ball passage 30 mm	680 888	26	Seal set for <i>Aqualift S</i> Ø 600/1000, Mono	680 490
13a	Intake cage for KTP 1000, with push-fit fastener	680 106	27	Seal set for <i>Aqualift S</i> Ø 600/1000, Duo	680 491

* Older control units are being replaced. See overview on page 107

** Source locally

*** Will be replaced by new pump GTF 600, art. no. 680 881

Pumping station *Aquapump XL Mono* in the engineering chamber* system with float switch, installation in the ground, beginning model year 01/2017

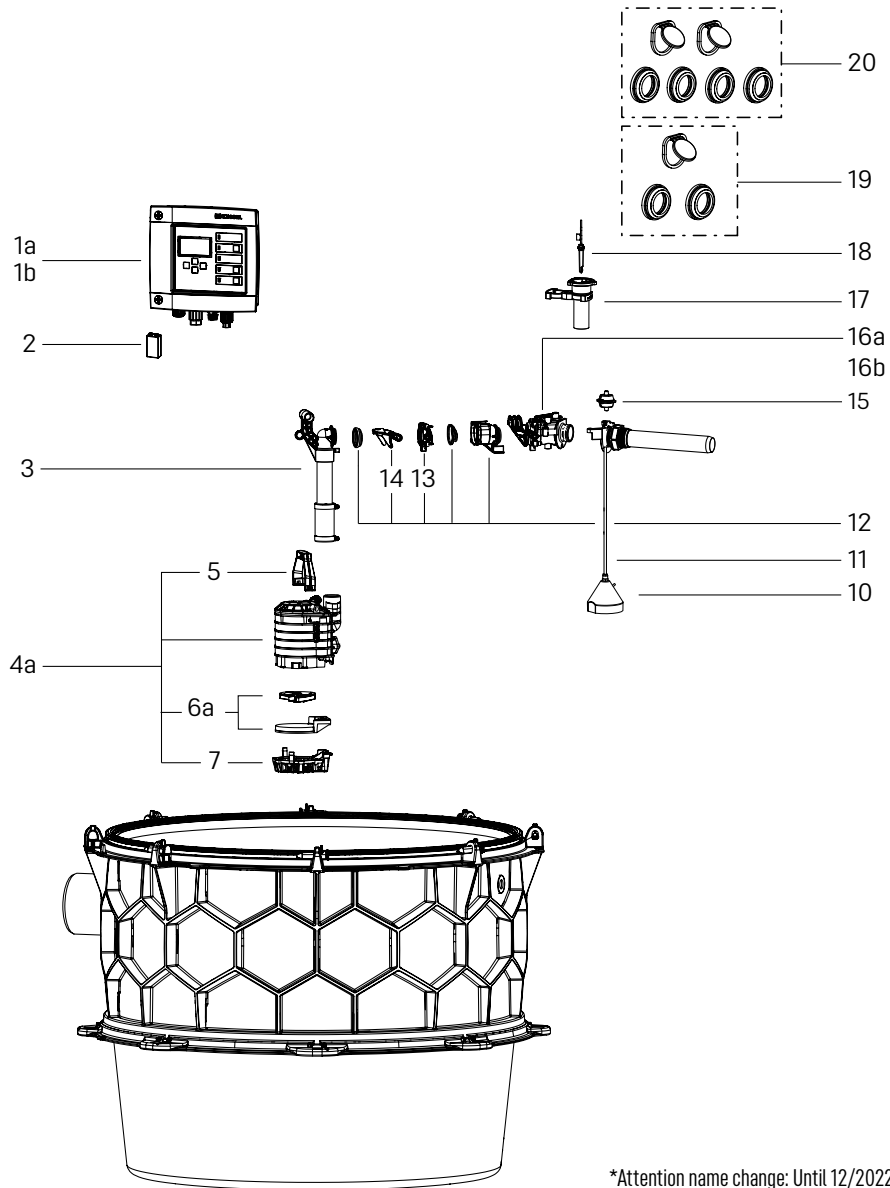
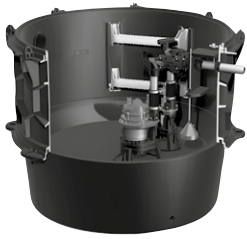


* Attention name change: Until 12/2022 Aqualift S XL.

Item	Designation	Art. no.	Item	Designation	Art. no.
1	Riser for pumping station, engineering chamber system	680 742	6	Spiral housing for GTF 1200, ball passage 30 mm	
2	Replacement pump		6a	for GTF 1200, ball passage 30 mm	680 363
2a	KTP 500	**	6b	for GTF 600, free ball passage 30 mm	680 888
2b	GTF 1200 with float switch for pumping station	680 594	7a	Pump stand for pumping stations <i>Aqualift S</i>	680 362
2c	GTF 600, with float switch	680 880	7b	Pump stand GTF 600, free ball passage 30 mm	680 889
3	Pump handle for submersible pump KTP 500	680 007	8	Flap holder with non-return flap	680 457
4	Impeller		9	Pump connection suitable for pumping stations, beginning 01/2016	680 476
4a	for KTP 500, with intake cover	28 038	10	One-handed closure for backflow preventer	680 018
4b	for GTF 1200, ball passage 30 mm, without spiral housing	680 366	11	Threaded connection for <i>Aqualift S Mono</i>	680 479
4c	for GTF 600, free ball passage 30 mm	680 887	12	Seal set for <i>Aqualift S</i> Ø 600/1000, Mono	680 490
5	Intake cage with push-fit fastener, for KTP 500	680 004	13	Pressure connection adaptor, square to round, with O-ring and screws.	681 172
			14	Pump cover GTF 500 Cable length 10 m, with float	680 789

** Will be replaced by new pump GTF 600, art. no. 680 880

Pumping station *Aquapump XL Mono/Duo* in the engineering chamber* system with SDS control unit, installation in the ground, beginning model year 01/2017



*Attention name change: Until 12/2022 Aqualift S XL.

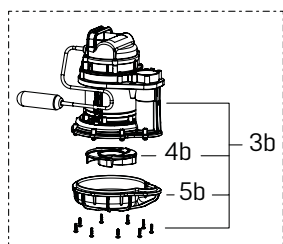
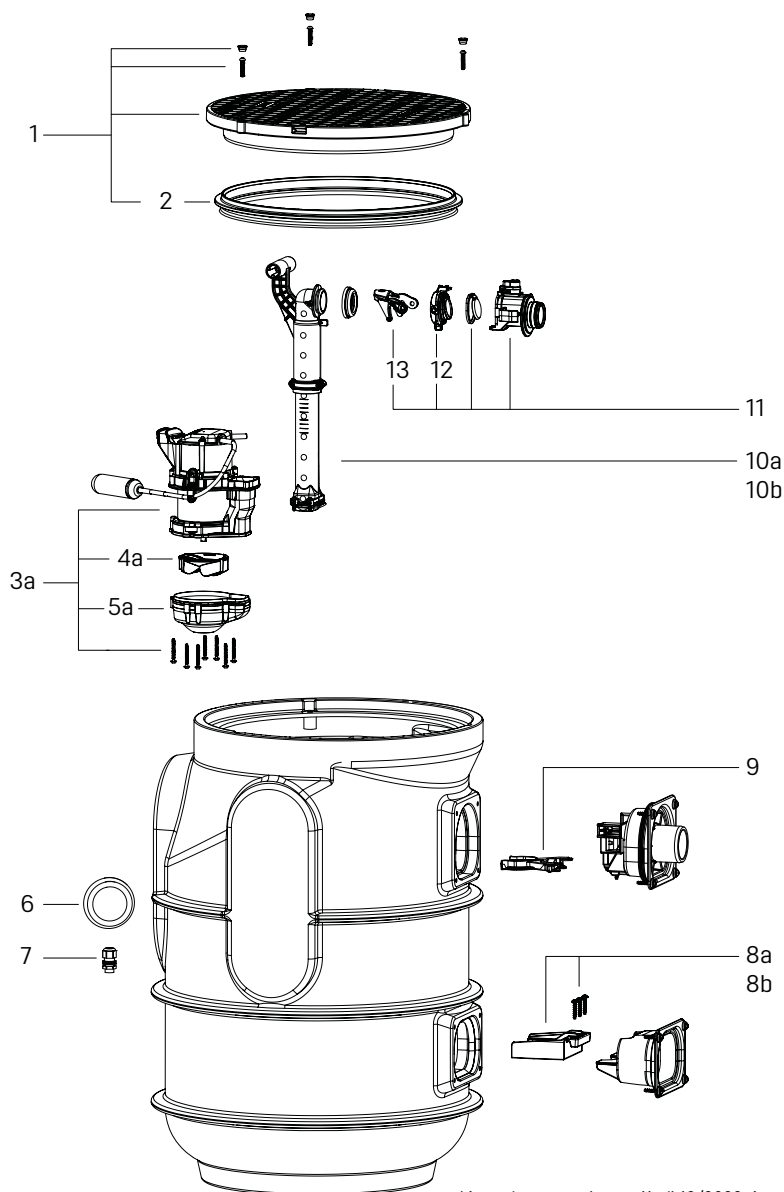
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit		9a	Pump stand for pumping stations <i>Aqualift S</i>	680 362
1a	for Comfort <i>Aqualift Mono</i> , 230 V	28 731	9b	Pump stand GTF 600, free ball passage 30 mm	680 889
1b	for Comfort <i>Aqualift Duo</i> , 230 V	28 746	10	Submersible pressure switch without hose	680 108
2	Battery, 2x 9V6LR61	**	11	Pressure hose, 6 x 4 mm, 100 natural (sold by the metre)	680 071
3	Riser for pumping station, engineering chamber system	680 742	12	Flap holder with non-return flap	680 457
4	Replacement pump		13	Pump connection suitable for pumping stations, beginning 01/2016	680 476
4a	KTP 500	***	14	One-handed closure for backflow preventer	680 018
4b	GTF 1200 without float switch for pumping station	680 595	15	Clamp for hydrostatic sensor and submersible pressure sensor	680 729
4c	GTF 600	680 881	16a	Threaded connection for <i>Aqualift S Mono</i>	680 479
5	Pump handle for submersible pump KTP 500	680 007	16b	Threaded connection, <i>Aqualift S Duo</i>	680 480
6	Impeller		17	Splash protection set for optical probe	28 706
6a	for KTP 500, with intake cover	28 038	18	Optical probe with 3 adapters, 5 m cable	80 888
6b	for GTF 1200, ball passage 30 mm, without spiral housing	680 366	19	Seal set for <i>Aqualift S</i> Ø 600/1000, Mono	680 490
6c	for GTF 600, free ball passage 30 mm	680 887	20	Seal set for <i>Aqualift S</i> Ø 600/1000, Duo	680 491
7	Intake cage with push-fit fastener, for KTP 500	680 004	21	Pressure connection adaptor, square to round, with O-ring and screws.	681 172
8a	Spiral housing for GTF 1200, ball passage 30 mm	680 363	22	Pump cover GTF 500 Cable length 10 m, coded plug	680 787
8b	Spiral housing for GTF 600, free ball passage 30 mm	680 888			

** Source locally

*** Will be replaced by new pump GTF 600, art. no. 680 881

Pumping station *Aquapump Small Mono*

Installation in the ground, for wastewater without sewage

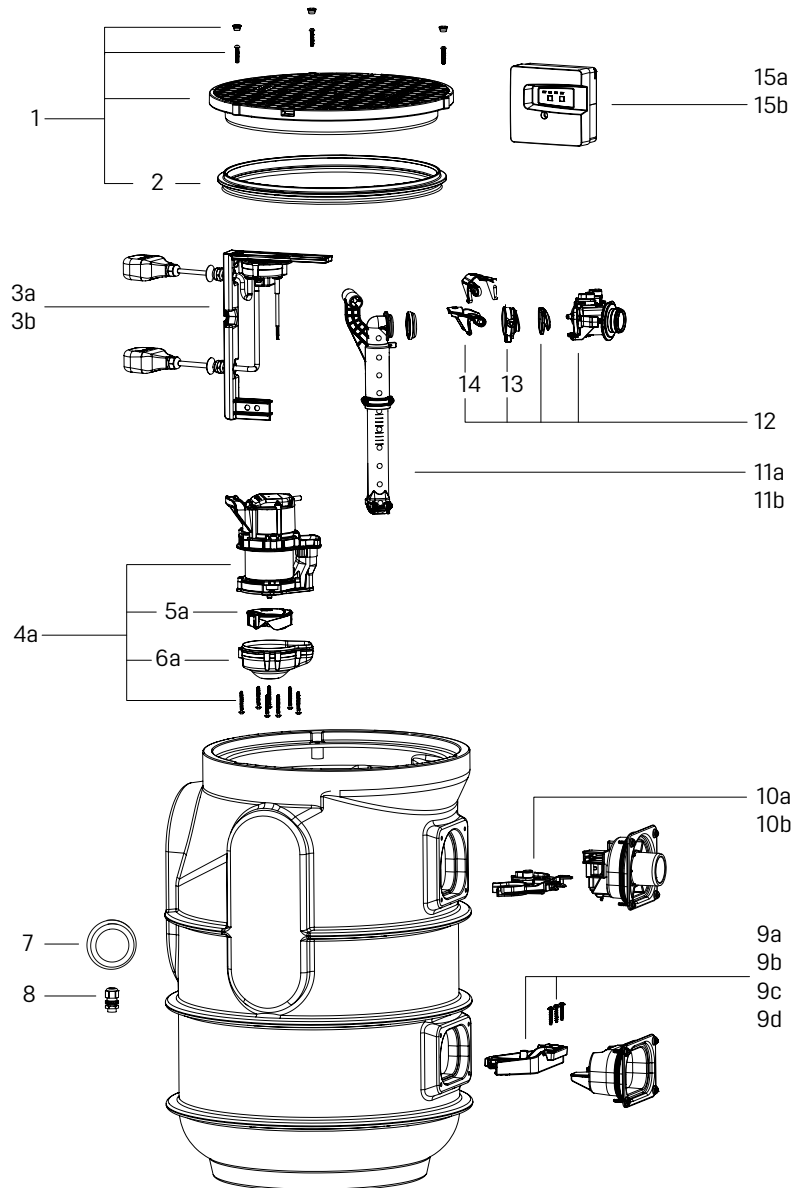


*Attention name change: Until 12/2022 Aqualift S Basic.

Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate round, incl. screws and seal	680 801	7	Cable gland with hexagon nut	680 812
2	Profiled lip seal	680 150	8	Pump hanger for pumping station, with screws	
3	Replacement pump <i>Aquadive</i>		8a	GTF 600 Mono	680 967
3a	for GTF 600 with float switch	680 963	8b	GTF 1250 Mono	680 968
3b	for GTF 1250 with float switch	680 965	9	Bracket for ressure pipe, Mono	680 969
4a	Impeller GTF 600, free passage 30 mm	680 887	10	Pressure pipe, Ø 32, including fixing screws	
4b	Multi-vane impeller for STF 1300	680 804	10a	GTF 600	680 961
5	Spiral housing		10b	GTF 1250	680 962
5a	GTF 600, free passage 30 mm	680 888	11	Flap housing Mono, with pressure pipe connection	680 761
5b	GTF 1250, free ball passage 30 mm	680 998	12	Pressure pipe connection	680 760
6	Conduit pipe seal Ø 110	850 117	13	One-handed closure for pump	680 380

Pumping station *Aquapump Small Mono/Duo Tronic*

Installation in the ground, for wastewater without sewage

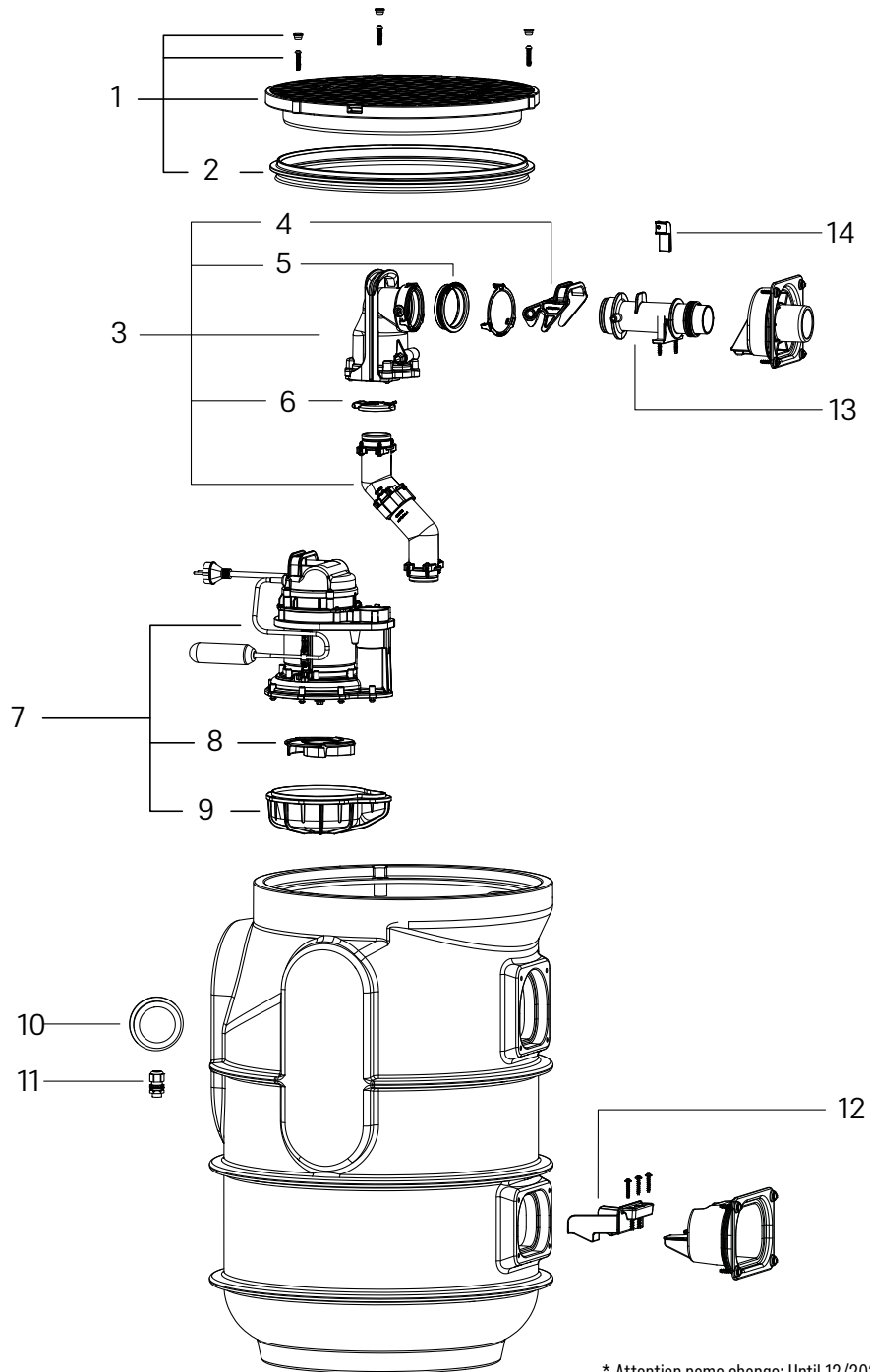


*Attention name change: Until 12/2022 Aqualift S Basic.

Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate round, incl. screws and seal	680 801	9	Pump hanger for pumping station, with screws	
2	Profiled lip seal for upper section	680 150	9a	GTF 600 Mono	680 967
3a	Float unit Mono 2 float switches	680 970	9b	GTF 1250 Mono	680 968
3b	Float unit Duo 3 float switches	680 971	9c	GTF 600 Duo	680 973
4	Replacement pump <i>Aquadive</i>		9d	GTF 1250 Duo	680 974
4a	for GTF 600 without float switch	680 964	10a	Bracket for pressure pipe, Mono	680 969
4b	for GTF 1250 without float switch	680 966	10b	Bracket for pressure pipe, Duo	680 972
5a	Impeller GTF 600, free passage 30 mm	680 887	11	Pressure pipe, Ø 32, including fixing screws	
5b	Multi-vane impeller for STF 1300	680 804	11a	GTF 600	680 961
6	Spiral housing		11b	GTF 1250	680 962
6a	GTF 600, free passage 30 mm	680 888	12a	Flap housing Mono, with pressure pipe connection	680 761
6b	GTF 1250, free ball passage 30 mm	680 999	12b	Flap housing Duo, with pressure pipe connection	680 781
7	Conduit pipe seal Ø 110	850 117	13	Pressure pipe connection	680 760
8	Cable gland with hexagon nut, M16	680 812	14	One-handed closure for pump	680 380
			15a	Control unit Mono	680 541
			15b	Control unit Duo	680 818

Pumping station *Aquapump Small* with floating switch

Installation in the ground, for wastewater with sewage

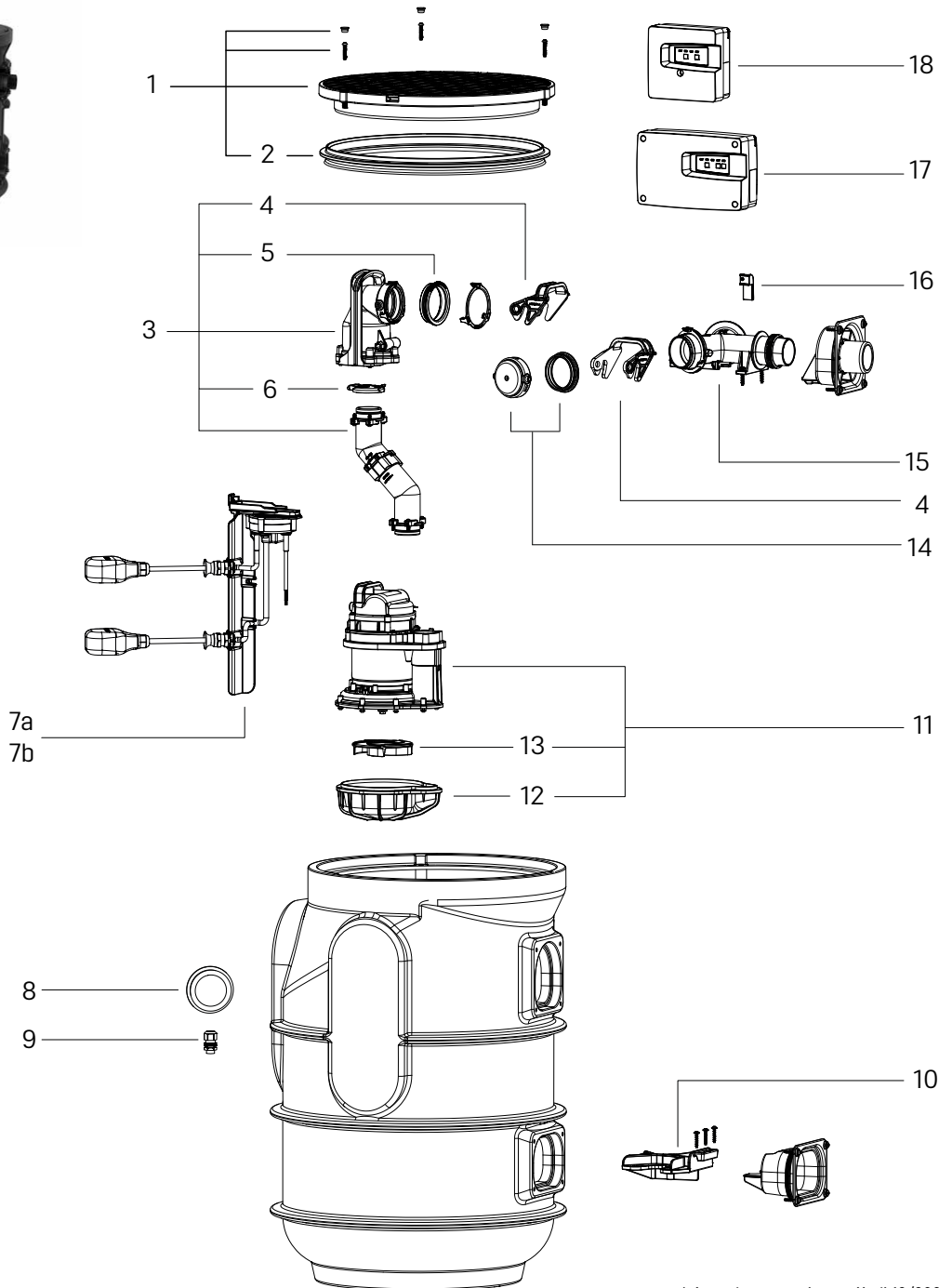


* Attention name change: Until 12/2022 Aqualift F Basic.

Pos.	Designation	Art. no.	Pos.	Designation	Art. no.
1	Cover plate round, incl. screws and seal	680 801	8	Impeller	680 804
2	Profiled lip seal	680 150	9	Spiral housing	680 805
3	Flap housing with pressure piping, DA: 50 mm	680 802	10	Conduit pipe seal Ø 110	850 117
4	One-handed closure for pump	680 380	11	Cable gland with hexagon nut	680 812
5	Seal Ø 65 for backflow preventer	680 999	12	Pump hanger Mono, pumping stations	680 806
6	Backwater flap	680 630	13	Pressure outlet	680 807
7	Replacement pump STF 1300 with float switch	680 803	14	Bracket for alarm probe	680 813

Pumping station *Aquapump Small Tronic* with SDS control unit

Installation in the ground, for wastewater with sewage

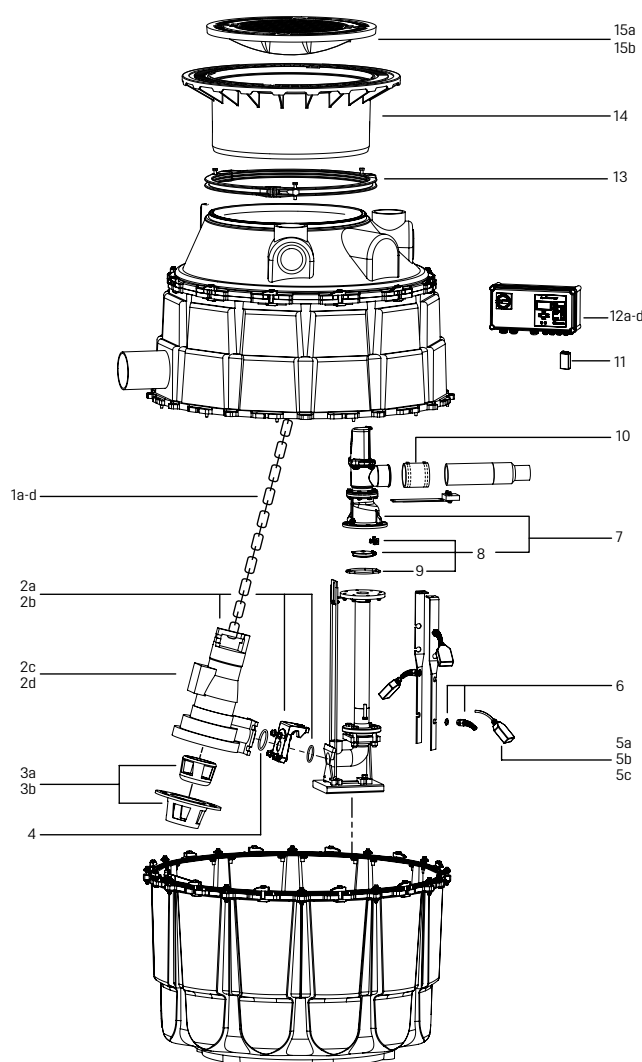


* Attention name change: Until 12/2022 Aqualift F Basic.

Pos.	Designation	Art. no.	Pos.	Designation	Art. no.
1	Cover plate round, incl. screws and seal	680 801	10	Pump hanger Tronic, pumping stations	680 821
2	Profiled lip seal	680 150	11	Replacement pump STF 1300	680 820
3	Flap housing with pressure piping, DA: 50 mm	680 802	12	Spiral housing	680 805
4	One-handed closure for pump	680 380	13	Impeller	680 804
5	Seal Ø 65 for backflow preventer	680 999	14	Blind plug Tronic, for pumping stations	680 817
6	Backwater flap	680 630	15	Pressure pipe connection Duo, for pumping stations	680 816
7a	Float switch unit Mono	680 814	16	Bracket for alarm probe	680 813
7b	Float switch unit Duo	680 815	17	Control unit Duo	680 818
8	Conduit pipe seal Ø 110	850 117	18	Control unit Mono	680 541
9	Cable gland with hexagon nut	680 812			

Pumping station *Aqualift F Mono/Duo*

in the chamber system Ø 1000 mm, wet installation, up to model year 03/2017



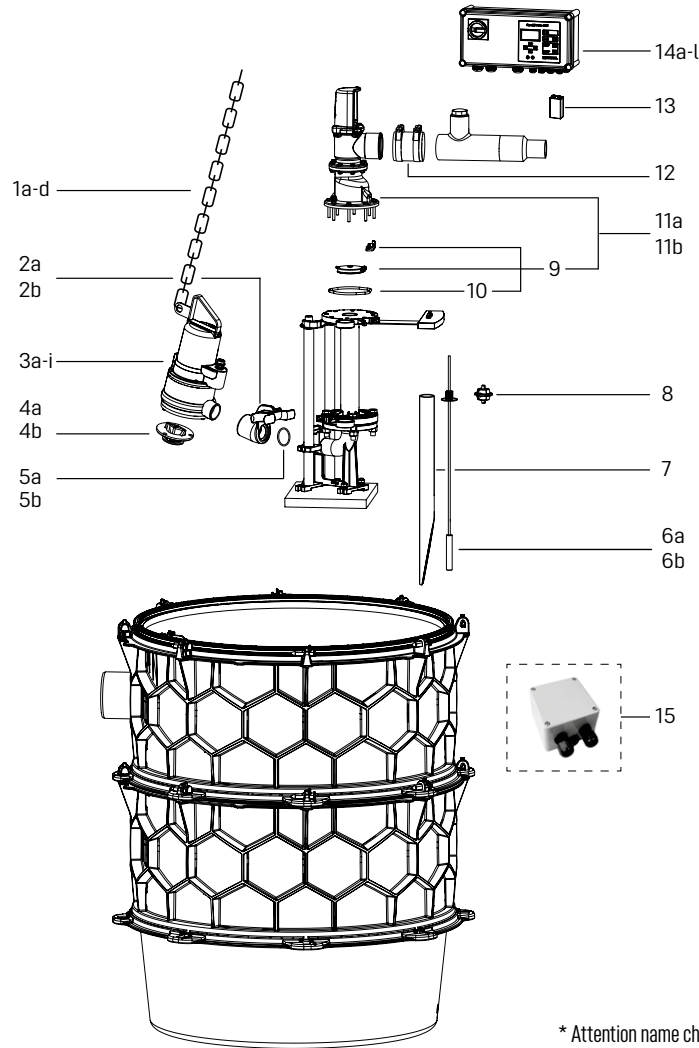
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Replacement chain for pumping stations		5a	Type EHZ 6.3, 10 m cable, ATEX	680 027
1a	2 m length	680 528	5b	Type EHZ 6.3, 20 m cable, ATEX	680 028
1b	3 m length	680 529	5c	Type EHZ 6.3, 30 m cable, ATEX	680 029
1c	4 m length	680 530	6	Cable accessories, bend protection with lock nut	680 085
1d	5 m length	680 531	7	Flap housing with shut-off valve, non-return flap, Slide-in flap housing and seals. (order 2 × for Duo system)	680 602
2	Replacement pump		8	Flap set with seal Ø 125, flap and flap holder	680 053
2a	TPF 120, 400 V, 1.3 kW and conversion adapter, up to model year 10/2006	680 410	9	Seal Ø 125	680 002
2b	TPF 154, 400 V, 1.9 kW and conversion adapter, up to model year 10/2006	680 411	10	Flexible coupling with 2 clamps	680 783
2c	TPF 1.3, 400 V, 1.3 kW, beginning model year 11/2006	28 380	11	Battery, 2x 9V6LR61	*
2d	TPF 1.9, 400 V, 1.9 kW, beginning model year 11/2006	28 390	12	Control unit**	
3	Macerator set		12a	Comfort Mono 400 V, for TPF 120 and TPF 1.3	28 759
3a	Macerator set for TPF 120/154, up to model year 10/2006	680 083	12b	Comfort Mono 400 V, for TPF 154 and TPF 1.9	28 761
3b	Macerator set for TPF 1.3/1.9, beginning model year 11/2006	680 084	12c	Comfort Duo 400 V, for TPF 120 and TPF 1.3	28 762
4	Flange seal 60 × 6	680 030	12d	Comfort Duo 400 V, for TPF 154 and TPF 1.9	28 763
5	Float switch		13	Clamping ring for upper sections d: 600 mm	680 276
			14	Upper Section LW 600	860 152
			15a	Cover plate, cast iron class B not bolted	860 131
			15b	Cover plate Class D, grey cast iron	680 059

* Source locally

** For control units, see page 112

Pumping station *Aquapump XL Mono/Duo*

in the engineering chamber system, wet installation, beginning model year 04/2017



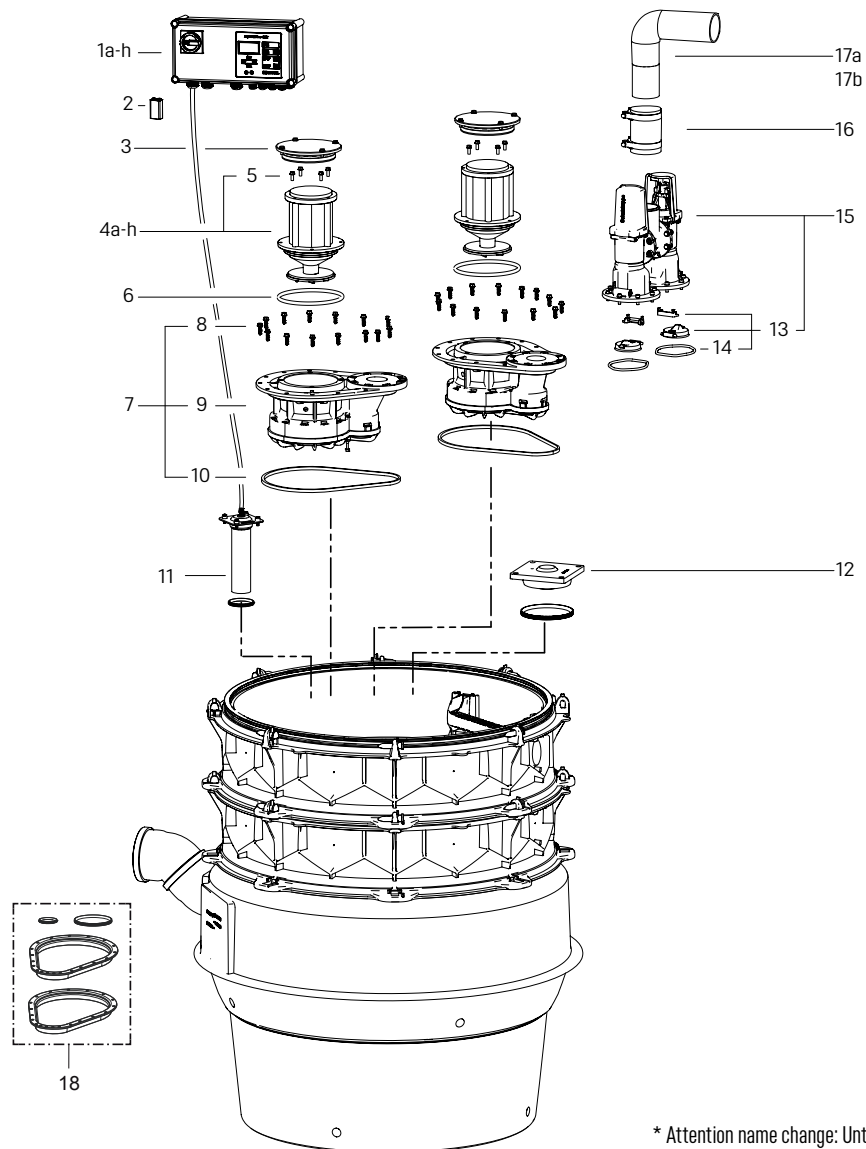
* Attention name change: Until 12/2022 Aqualift S und FXL.

Item	Designation	Art. no.	Item	Designation	Art. no.
1a	Replacement chain 2 m	680 528	7	Protective pipe for hydrostatic sensor, slotted	680 603
1b	Replacement chain 3 m	680 529	8	Clamp for hydrostatic sensor and submersible pressure sensor	680 729
1c	Replacement chain 4 m	680 530	9	Flap set with seal Ø 125, flap and flap holder	680 053
1d	Replacement chain 5 m	680 531	10	Seal Ø 125	680 002
2a	Pump clamp 2.0 inch incl. seal	680 598	11a	Flap housing for Mono system with non-return flap	680 602
2b	Pump clamp 2.5 inch incl. seal	680 599	11b	Flap housing for Duo systems with two shut-off valves	680 419
3	Replacement pump		12	Flexible coupling with 2 clamps	680 783
3a	STZ 1300-S1, without float switch for pumping station, 10 m, ATEX (LK)	680 604	13	Battery, 2x 9V6LR61	**
3b	STZ 2500-S1, without float switch for pumping station, 10 m, ATEX (LK)	680 605	14	Control units	
3c	STZ 3700-S1, without float switch for pumping station, 10 m, ATEX (LK)	680 606	14a	400V Comfort Mono 2.5 - 4.0 A (for GTF 1600, GTK 1300)	680 613
3d	GTF 1600-S1, without float switch for pumping station, 10 m, (LK)	680 607	14b	400V Comfort Mono 2.5 - 4.0 A, ATEX (for STZ 1300)	680 614
3e	GTF 2600-S1, without float switch for pumping station, 10 m, (LK)	680 608	14c	400V Comfort Mono 4.0 - 6.3 A (for GTF 2600, GTK 2600)	680 615
3f	GTF 4000-S1, without float switch for pumping station, 10 m, (LK)	680 609	14d	400V Comfort Mono 4.0 - 6.3 A, ATEX (for STZ 2500)	680 616
3g	GTK 1300-S1, without float switch for pumping station, 10 m, (LK)	680 610	14e	400V Comfort Mono 6.3 - 10.0 A (for GTF 4000, GTK 3700)	680 617
3h	GTK 2600-S1, without float switch for pumping station, 10 m, (LK)	680 611	14f	400V Comfort Mono 6.3 - 10.0 A, ATEX (for STZ 3700)	680 618
3i	GTK 3700-S1, without float switch for pumping station, 10 m, (LK)	680 612	14g	400V Comfort Duo 2.5 - 4.0 A (for GTF 1600, GTK 1300)	680 619
4a	Macerator set for STZ 1300 and 2500	680 717	14h	400V Comfort Duo 2.5 - 4.0 A, ATEX (for STZ 1300)	680 620
4b	Macerator set for STZ 3700	680 718	14i	400V Comfort Duo 4.0 - 6.3 A (for GTF 2600, GTK 2600)	680 621
5a	Seal for pump clamp 2.0 inch	680 596	14j	400V Comfort Duo 4.0 - 6.3 A, ATEX (for STZ 2500)	680 622
5b	Seal for pump clamp 2.5 inch	680 597	14k	400V Comfort Duo 6.3 - 10.0 A (for GTF 4000, GTK 3700)	680 623
6a	Hydrostatic sensor with probe clamp	680 600	14l	400V Comfort Duo 6.3 - 10.0 A, ATEX (for STZ 3700)	680 624
6b	ATEX Hydrostatic sensor with probe clamp	680 601	15	Junction box for cable extension for hydrostatic sensor	28 799

** Source locally

Pumping station *Aquapump XL Mono/Duo*

in the engineering system base, Installation in the ground



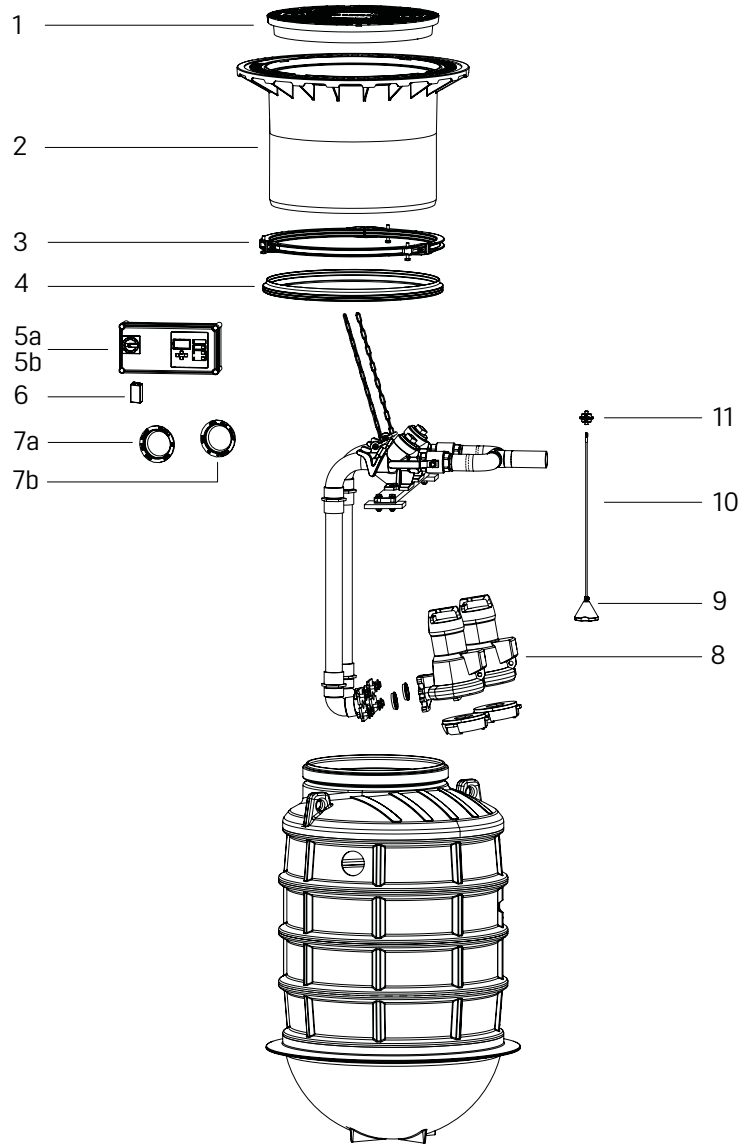
* Attention name change: Until 12/2022 Aqualift F XL.

Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit		4g	SPF 4500, S3, 400 V, 10 m cable	680 533
1a	Comfort <i>Aqualift Mono</i> , 230 V	28 731	4h	SPF 4500 S1, 400 V, 10 m cable	680 534
1b	Comfort <i>Aqualift Duo</i> , 230 V	28 746	5	Screw set for pump	28 609
1c	Comfort <i>Aqualift Mono</i> , 400 V, 2.5 - 4.0 A, for SPF 1500	28 755	6	Flange seal for SPF 1400 - 4500	680 052
1d	Comfort <i>Aqualift Mono</i> , 400 V, 4.0 - 6.3 A, for SPF 3000	28 756	7	Replacement pump flange set, <i>Aqualift F</i>	28 051
1e	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 2.5 - 4.0 A, for SPF 1500	28 757	8	Screw set, galvanised (14 ea.)	680 047
1f	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 4.0 - 6.3 A, for SPF 3000	28 758	9	Pump flange for SPF 1400 - SPF 4500	680 050
1g	Comfort <i>Aqualift Mono</i> , 400 V, 6.3 - 10.0 A, for SPF 4500 and 5500	28 781	10	Pump flange seal <i>Aqualift F</i>	680 045
1h	Comfort <i>Aqualift Duo</i> , 400 V, 2 × 6.3 - 10.0 A, for SPF 4500 and 5500	28 783	11	Immersion pipe for XL engineering system base, 10 m hose	680 388
2	Battery, 2x 9V6LR61	**	12	Cleaning cover, screwed, Ø 160	680 421
3	Cover for pump flange, Ø 220 mm, with O-ring	680 460	13	Flap set with seal Ø 125, flap and flap holder	680 053
4	Motor with impeller		14	Seal Ø 125	680 002
4a	SPF 1400 S3, 230 V, with capacitor, 10 m cable	680 218	15	Flap housing for Duo systems with two shut-off valves	680 419
4b	SPF 1400 S1, 230 V, with capacitor, with 10 m cable	680 219	16	Flexible coupling DN 80, L: 200 mm	28 662
4c	SPF 1500 S3, 400 V, 10 m cable	680 098	17	Pressure pipes, valid until 02/2022	
4d	SPF 1500 S1, 400 V, 10 m cable	680 445	17a	Ø 90, Length 387 mm	680 423
4e	SPF 3000 S3, 400 V, 10 m cable	680 221	17b	Ø 90, Length 426 mm	680 446
4f	SPF 3000 S1, 400 V, 10 m cable	680 532	18	Seal set for <i>Aqualift F</i> pumping station	680 422

** Source locally

Pumping station *Aquapump XL Basic Mono/Duo*

Wet installation, for wastewater with or without sewage



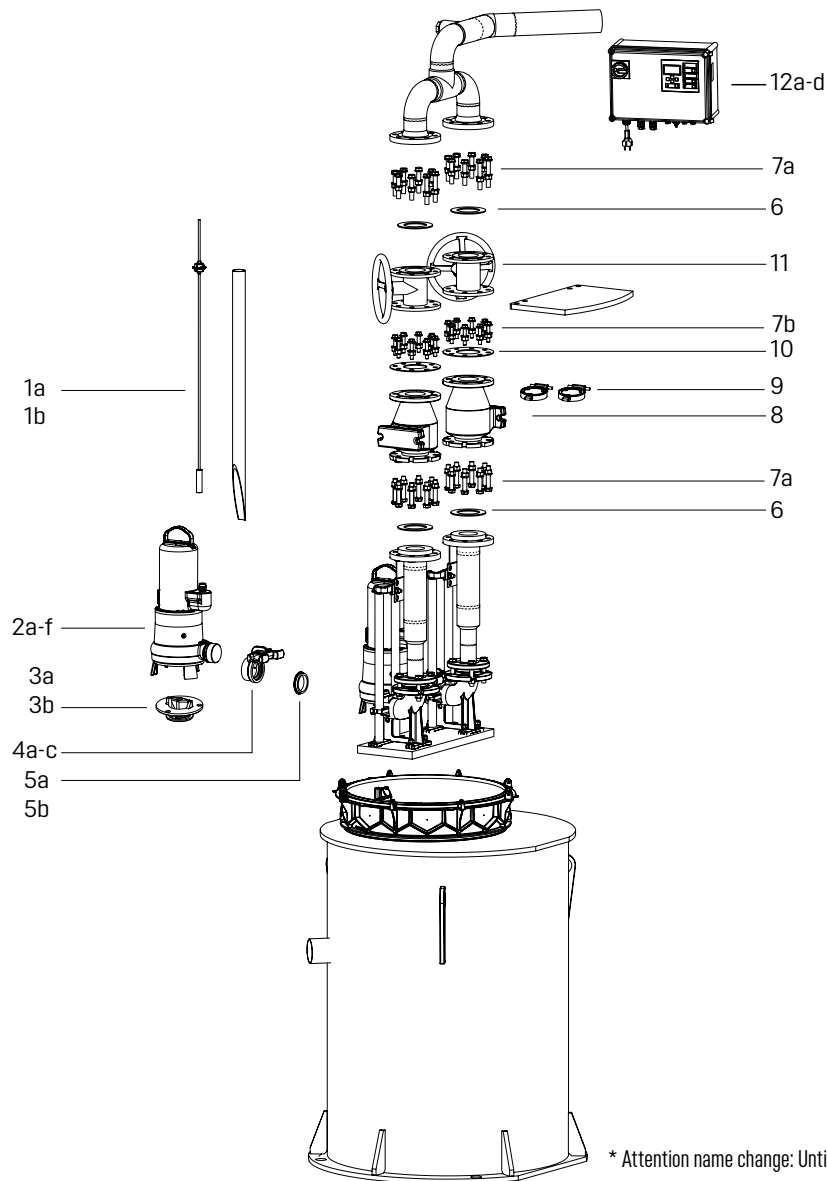
Item	Designation	Art. no.
1	Cover plate made of polymer, up to 600 kg	860 117
2	Upper section LW 600	860 152
3	Clamping ring for upper sections d: 600 mm	680 276
4	Seal for upper section	860 116
5a	Control unit, beginning model year 04/2012, 230 V	28 731
5b	Control unit, beginning model year 04/2012, 230 V	28 746
6	Battery, 2x 9V6LR61	*

Item	Designation	Art. no.
7a	Seal for channel passage 110 mm	850 117
7b	Seal for pipe penetration, for pipes DA: 100 mm	850 124
8	Replacement pump Ama-Porter 501 NE	681 091
9	Submersible pressure switch without hose	680 108
10	Pressure hose, sold by the metre, 6x4 mm 100	680 071
11	Sensor clamp for level sensor and subm. press. switch	680 729

* Source locally

Pumping station *Aquapump XXL*

in the twin-walled reinforced pipe chamber, wet installation



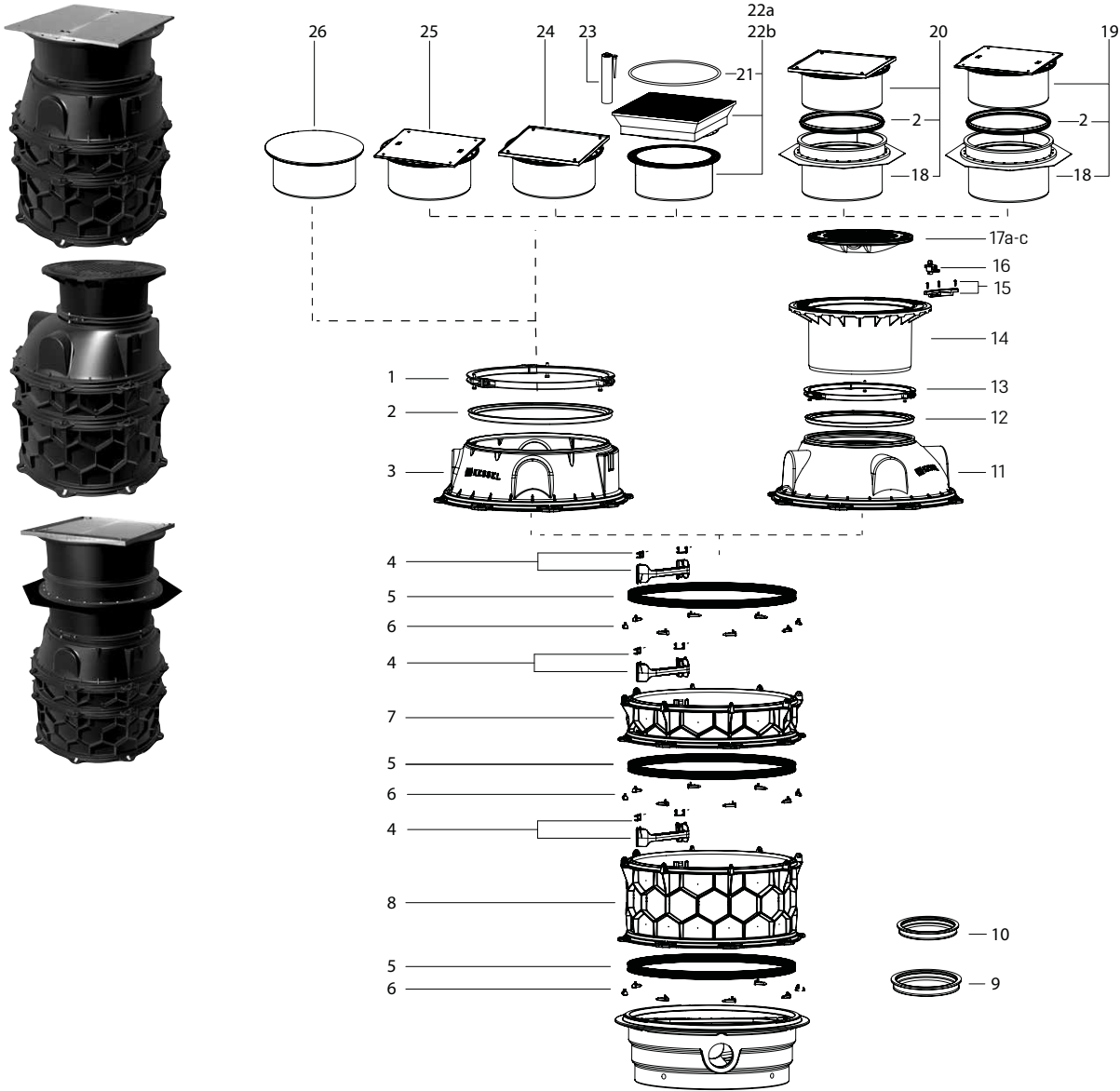
* Attention name change: Until 12/2022 Aqualift S und F XL.

Item	Designation	Art. no.
1	Hydrostatic sensor	
1a	with probe clamp	680 600
1b	with ATEX probe clamp	680 601
2	Replacement pump	
2a	STZ 4400 S1, without float switch, 10 m, ATEX (LK)	680 703
2b	STZ 5200 S1, without float switch, 10 m, ATEX (LK)	680 704
2c	STZ 7500 S1, without float switch, 10 m, ATEX (LK)	680 705
2d	STZ 11000 S1, without float switch, 10 m, ATEX (LK)	680 706
2e	GTK 5200 S1, without float switch, 10 m, (LK)	680 707
2f	GTK 5200 S1, without float switch, 10 m, (LK)	680 708
3a	Macerator set for STZ 4400 / 5200	680 719
3b	Macerator set for STZ 7500 / 11000	680 898
4	Pump clamp	
4a	2.0 inch incl. seal	680 598
4b	2.5 inch incl. seal	680 599
4c	KK50-50 incl. seal	680 709
5	Seal for pump clamp	

Item	Designation	Art. no.
5a	2.0 inch	680 596
5b	2.5 inch	680 597
6	Seal for flange, Ø 90 mm, SDR 11	680 710
7a	Screw set M16×90	680 784
7b	Screw set M16×70	680 785
8	Backflow preventer, Ø 80, grey iron	28 021
9	Non-return flap made of polymer, Ø 80	28 074
10	Flat seal Ø 80	28 043
11	Shut-off valve Ø 80, grey cast iron, with handwheel	28 041
12	Control unit	
12a	Comfort Plus 400 V, 4.7 kW, ATEX	680 637
12b	Comfort Plus SD, 7 kW, ATEX	680 638
12c	Comfort Plus SD, 11 kW, ATEX	680 639
12d	Comfort Plus 400 V, 4.7 kW	680 640

Engineering chamber system

Installation in the ground



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Clamping ring for upper sections, Ø 800 mm	680 568	17	Cover plate**	
2	Seal for chamber module Ø 1000, Ø 800 mm	680 375	17a	class B, made of grey cast iron	860 118
3	Chamber taper section Ø 800 chamber module access	680 430	17b	class D, made of grey cast iron, locked, up to model year 10/2022	860 136
4	Hook-in access step for chamber module with protection	680 376	17c	class D, made of grey cast iron, <i>Lock & Lift</i> , beginning model year 11/2022	860 160
5	Seal for intermediate section	680 125	18	Waterproof extension with sealing mat, for chamber module	680 378
6	Connection bolt set (10 ea.)	680 373	19	Upper section with cover plate Ø 800 with waterproof flange, cl. A/L 15 *	874 01 78
7	Intermediate section 250 mm with access steps incl. protection	680 370	20	Upper section with cover plate Ø 800 tileable with waterproof flange, class K3 *	874 01 76
8	Intermediate section 500 mm with access steps incl. protection	680 371	21	Seal for upper section	680 836
9	Conduit pipe seal, Ø 110	850 117	22	Upper section with cover plate, square, Ø 800	
10	Conduit pipe seal, Ø 75	850 116	22a	for class B	874 01 79
11	Chamber taper section Ø 600 chamber module access	680 431	22b	for class D	874 01 80
12	Seal for chamber module, Ø 600 mm	680 374	23	Glue for seal (Item 21)	680 940
13	Clamping ring for upper sections Ø 600 mm	680 276	24	Upper section with cover plate Ø 800 tileable, class K 3 *	874 01 75
14	Upper section Ø 600 mm, beginning model year 11/2022**	860 153	25	Upper section with cover plate Ø 800, class A/L 15*	874 01 77
15	Insert for Lock&Lift including three screws for upper section LW 600	681 032	26	Upper section with cover plate Ø 800, round, class K3*	874 01 81
16	Turn fastener for upper section LW 600, violet Polymer	681 033			

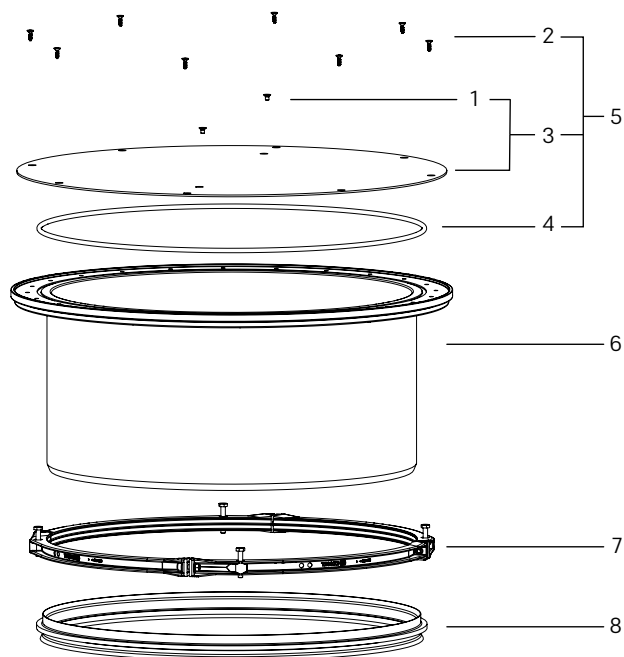
* For spare parts for upper sections, see following pages

** Upper section up to model year 10/2022 not compatible with *Lock&Lift* covers. Upper section beginning model year 10/2022 compatible with and without *Lock&Lift* covers

Upper sections for engineering chamber system

Upper section Ø 800, round,

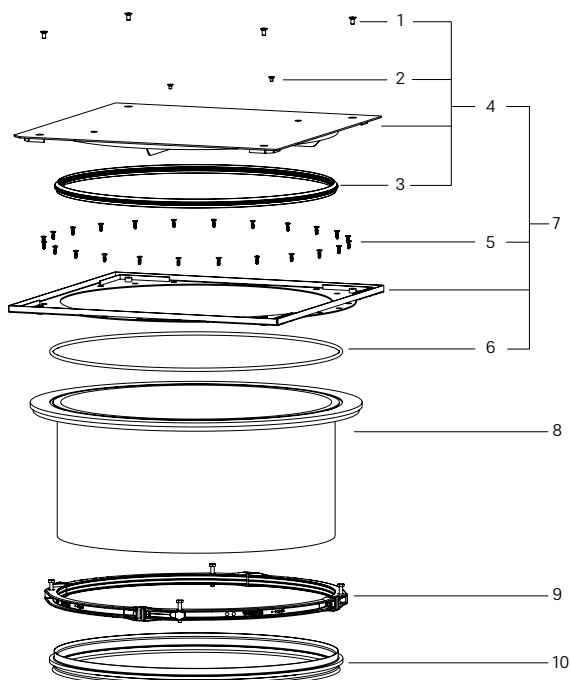
Art. no. 874 01 81



Item	Designation	Art. no.
1	Set of 2 countersink screws M8 × 12, A4	680 661
2	Set of 8 screws, for upper section, K80 × 22, A2	680 664
3	Cover plate, round, K 3, incl. 2 screws	680 660
4	Seal for upper section, Ø 870 mm	680 655
5	Cover plate, round, K 3, incl. 10 screws, seal	680 659
6	Upper section LW 800 round, threaded	681 089
7	Clamping ring for upper sections, Ø 800 mm	680 568
8	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375

Upper section Ø 800, non-tileable,

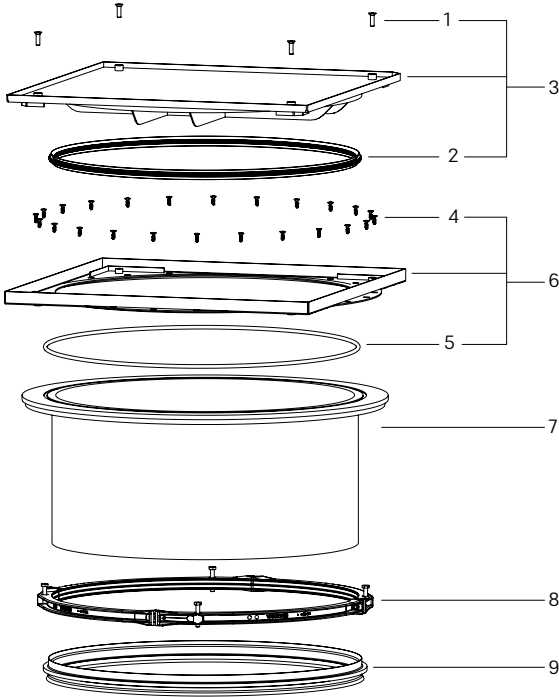
Art. no. 874 01 77



Item	Designation	Art. no.
1	Set of 4 countersink screws M10 × 20, A4	680 663
2	Set of 2 countersink screws M8 × 12, A4	680 661
3	Seal for cover plate Ø 840 mm	680 653
4	Cover plate L 15, incl. 6 screws, seal	680 662
5	Set of 24 screws for upper section, K80 × 22, A2	680 654
6	Seal for upper section, Ø 870 mm	680 655
7	Cover plate L 15, incl. 30 screws, seal	680 658
8	Upper section LW 800 round	681 090
9	Clamping ring for upper sections, Ø 800 mm	680 568
10	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375

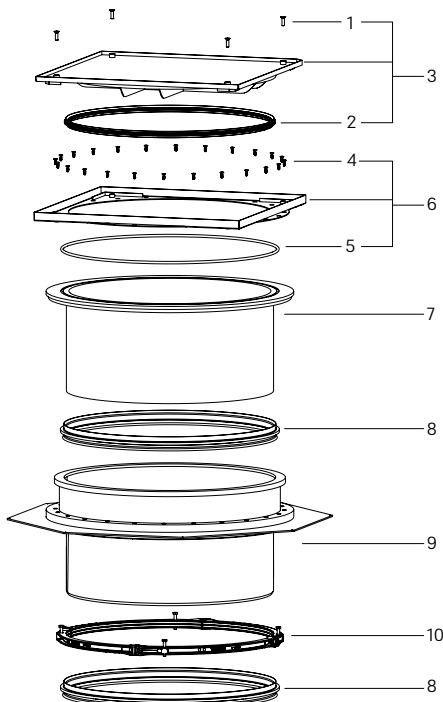
Upper sections for engineering chamber system

Upper section Ø 800, tileable,
Art. no. 874 01 75



Item	Designation	Art. no.
1	Set of 4 countersink screws M10 × 35, A4	680 593
2	Seal for cover plate Ø 840 mm	680 653
3	Cover plate K 3, incl. 4 screws, seal	680 657
4	Set of 24 screws for upper section, K80 × 22, A2	680 654
5	Seal for upper section, Ø 870 mm	680 655
6	Cover plate frame, K 3, 24 screws, seal	680 656
7	Upper section LW 800 round	681 090
8	Clamping ring for upper sections, Ø 800 mm	680 568
9	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375

Upper section Ø 800, tileable with waterproof flange,
Art. no. 874 01 76

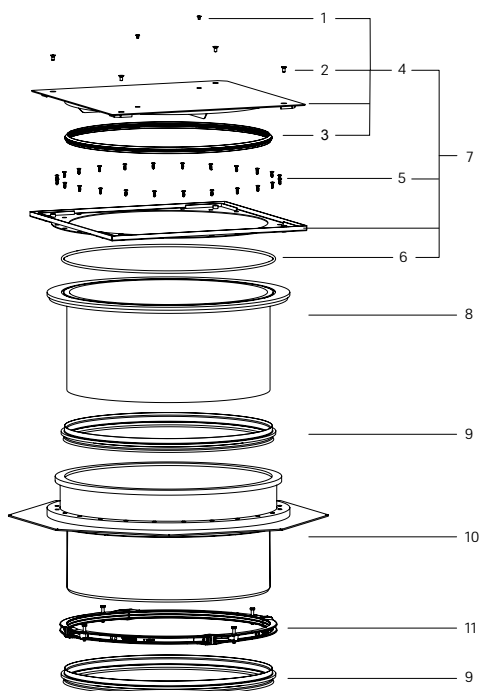


Item	Designation	Art. no.
1	Set of 4 countersink screws M10 × 35, A4	680 593
2	Seal for cover plate Ø 840 mm	680 653
3	Cover plate K 3, incl. 4 screws, seal	680 657
4	Set of 24 screws for upper section, K80 × 22, A2	680 654
5	Seal for upper section, Ø 870 mm	680 655
6	Cover plate frame, K 3, 24 screws, seal	680 656
7	Upper section LW 800 round	681 090
8	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375
9	Waterproof extension with sealing mat, for chamber module	680 378
10	Clamping ring for upper sections, Ø 800 mm	680 568

Upper sections for engineering chamber system

Upper section Ø 800, non-tileable with waterproof flange

Art. no. 874 0178



Item	Designation	Art. no.
1	Set of 4 countersink screws M10 × 20, A4	680 663
2	Set of 2 countersink screws M8 × 12, A4	680 661
3	Seal for cover plate Ø 840 mm	680 653
4	Cover plate L 15, incl. 6 screws, seal	680 662
5	Set of 24 screws for upper section, K80 × 22, A2	680 654
6	Seal for upper section, Ø 870 mm	680 655
7	Cover plate L 15, incl. 30 screws, seal	680 658
8	Upper section LW 800 round	681 090
9	Seal for chamber module Ø 1000, with access opening Ø 800 mm	680 375
10	Waterproof extension with sealing mat, for chamber module	680 378
11	Clamping ring for upper sections, Ø 800 mm	680 568

Accessories for lifting stations and control units

Connector set

Art. no.

for connection to pump/probe cable for connecting the coded connector of 28 731 / 28 746



For Mono systems

80 893

For Duo systems

28 777

Battery cable

Art. no.

for 9 V Block



680 720

Air compressor set

Art. no.

Function: For use in combination with lifting station and pumping stations with pressure control: prevents soiling, avoids the formation of condensate in the pressure hose, makes operation of systems possible with pressure hose lengths > 10 m – 30 m



28 048

Inclusive: T-piece connection, 20 m pressure hose

PE-pressure hose extension (per meter) 6x4 mm

680 071

Verschraubung

Art. no.

für Pneumatikanschluss am Schaltgerät



681 052

Motor protection switch

Art. no.

2.5 – 4 A , for pumps GTK 1300, GTF 1600, STZ 1300, SPF 1500

680 205

4.0 – 6.3 A, for pumps GTK 2600, GTF 2600, STZ 2500, SPF 3000

680 206

6.3 – 10 A, for pumps GTK 3700, GTF 4000, STZ 3700, SPF 4500, SPF 5500, GTK 5200, GTF 5200, STZ 4400, STZ 5200



680 207

9-14 A, for pumps STZ 7500, STZ 11000

680 204

Relay

Art. no.

5.5kW - universal for Control units/Pumps up to 5,5 kW (all except STZ 7500, STZ 11000)



680 203

Glass fuse

Art. no.

Microfuse set 315mAT for 400V Control units (10pcs.)



830 057

Overview of 400 V control units

Some old control units are no longer applicable due to changeover to newer and more efficient control units. In the following list you can see which control units replace the previous ones:

Old



New

Lifting station *Aqualift F Mono*, installation above ground from page 85



Art. no. 206-048 (1.1 kW)

is replaced by

Art. no. 28 755 (1.1 kW)

Art. no. 206-116 (2.2 kW)

is replaced by

Art. no. 28 756 (2.2 kW)



Lifting station *Aqualift F Duo*, Installation above ground from page 87



Art. no. 206-049 (1.1 kW)

is replaced by

Art. no. 28 757 (1.1 kW)

Art. no. 206-117 (2.2 kW)

is replaced by

Art. no. 28 758 (2.2 kW)



Pumping station *Aqualift F Mono* in the chamber system Ø 1000, from page 102



Art. no. 328-104 (TPF 120)

is replaced by

Art. no. 28 759 (TPF 1.3)

Art. no. 328-105 (TPF 154)

is replaced by

Art. no. 28 761 (TPF 1.9)



Pumping station *Aqualift F Duo* in the chamber system Ø 1000, from page 102



Art. no. 328-106 (TPF 120)

is replaced by

Art. no. 28 762 (TPF 1.3)

Art. no. 328-107 (TPF 154)

is replaced by

Art. no. 28 763 (TPF 1.9)



Overview of 230 V control units

Some old control units are no longer applicable due to conversion to newer and more efficient control units. In the following list you can see which control units replace the previous ones:

Old



New

Wastewater station *Aqualift F Tronic Mono/Duo* (up to model year 03/2012),
installation in the floor slab from page 79



Art. no. 243-298 (Mono)

Art. no. 243-299 (Duo)

Lifting station *Aqualift S Tronic Mono/Duo*, installation in the floor slab from page 72/73



Art. no. 243-007 (Mono)

Art. no. 20 400 (Duo)

Lifting station *Aqualift S Duo*, installation above ground from page 67



Art. no. 20 400 (Duo, for probe circuit)

Art. no. 20 400 (Duo, for pressure monitor)

Art. no. 243-299 (Duo, for pressure sensor)

Pumping station *Aqualift S Mono/Duo*, installation in the chamber system from page 93/95



Art. no. 243-298 (Mono)

Art. no. 243-299 (Duo)

Pumping station *Aqualift S Mono/Duo*, installation in the chamber system from page 93/95



Art. no. 28 730 (Mono)

Art. no. 28 745 (Duo)

Replaces old Mono control units:



Art. no. 28 731

Replaces old Duo control units:



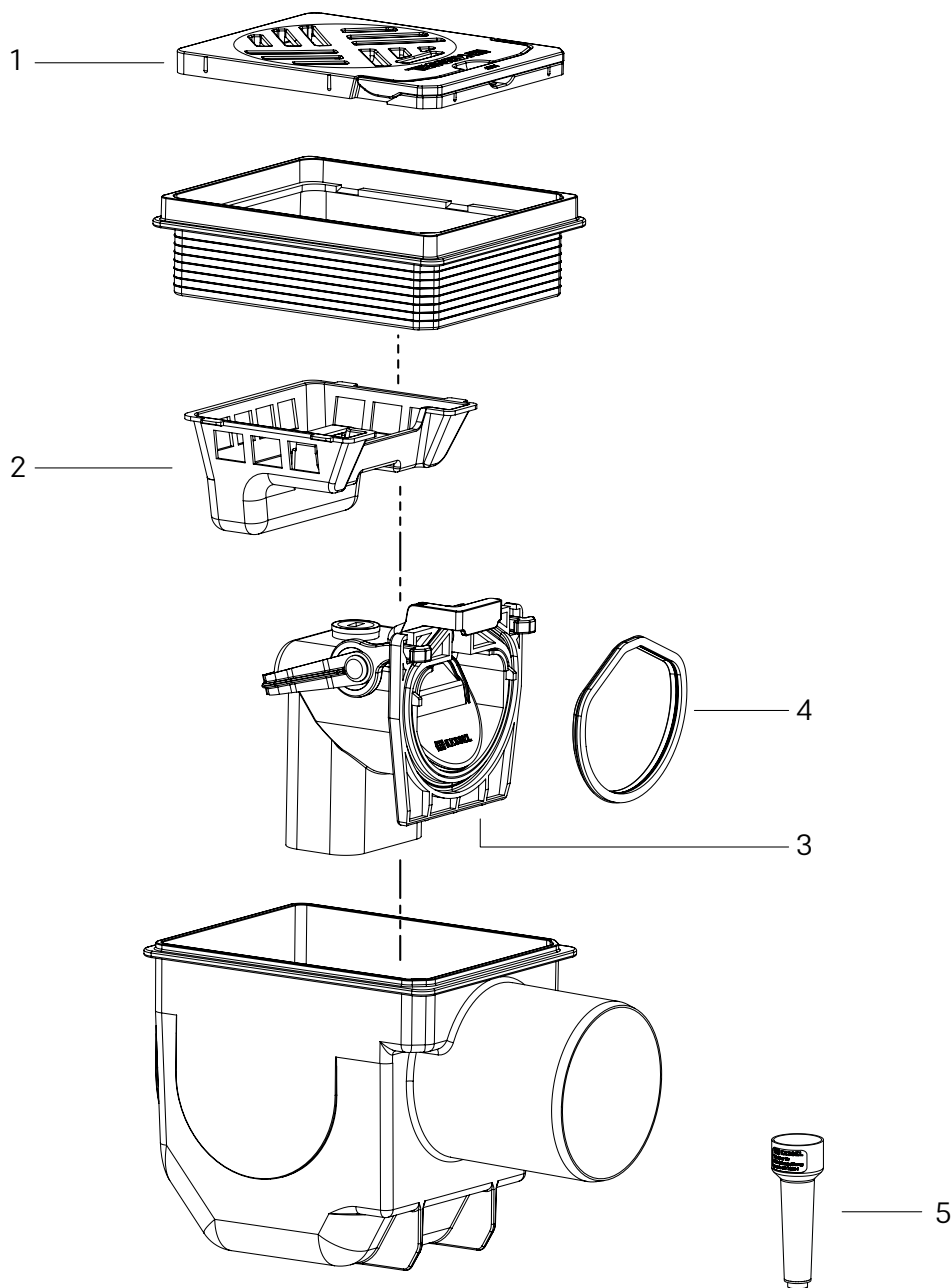
Art. no. 28 746

4. Drains

Basement drain <i>Drehfix</i>	116
Basement drain <i>The Universal</i>	118
Basement drain <i>Universale Plus</i>	119
Light liquid trap	120
Insert gratings and accessories for bathroom drains	122
Insert gratings and accessories for basement drains and <i>Ferrofix</i> stainless steel drains	123
Inserts, covers and accessories for shower channels	124
Inserts, covers and accessories for <i>Scada</i> wall drain	128
Insert gratings and accessories for patio, gutter and roof drains	129
Covers, insert gratings and accessories for yard and parking deck drains	130
Odour traps	131

Basement drain *Drehfix*

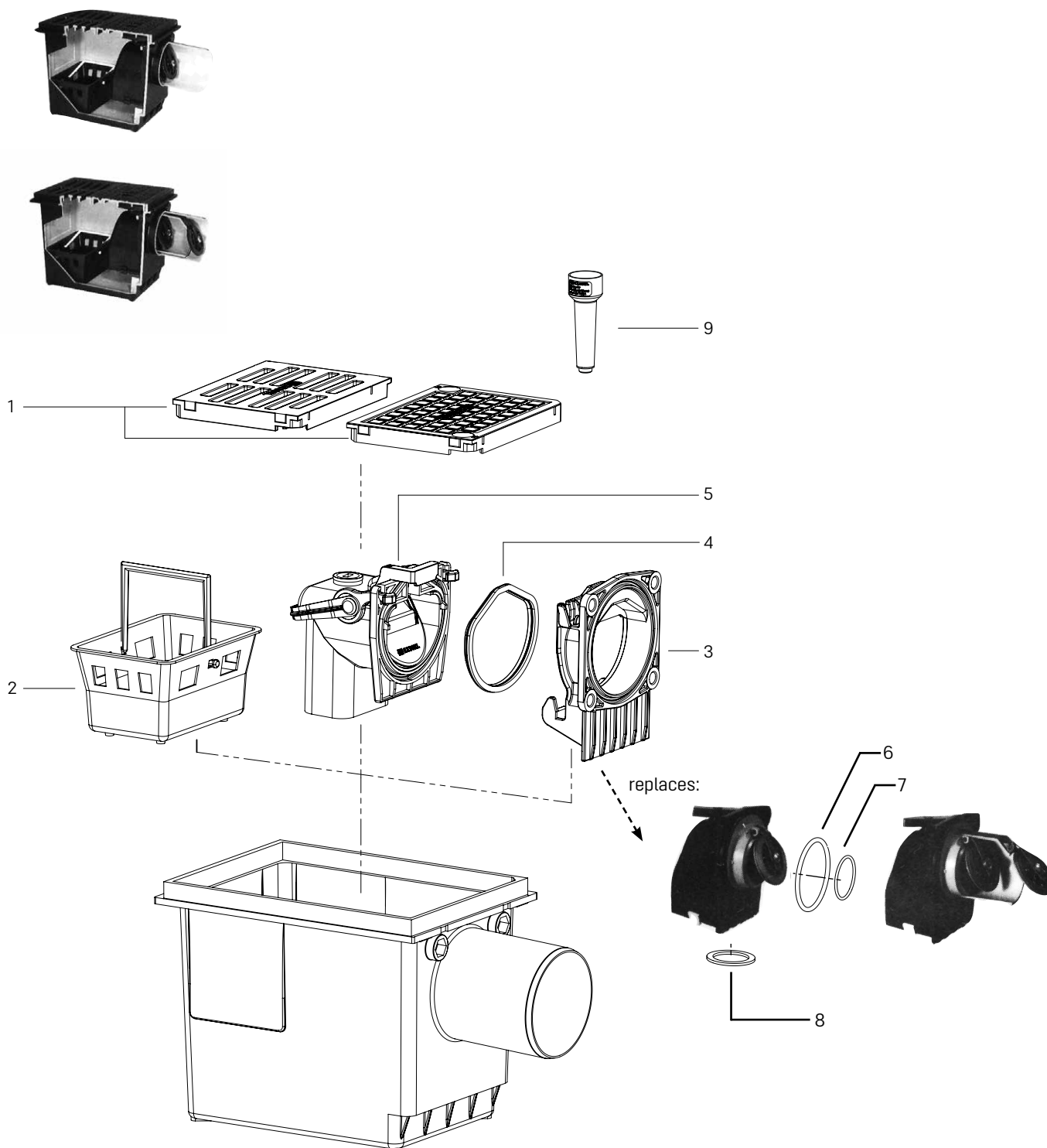
Installation in the floor slab, beginning model year 01/2002



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Slotted grating 190 × 150 mm, made of polymer, black	27 205	4	Lip seal Ø 117 mm	680 280
2	Sludge bucket for <i>Drehfix</i> basement drain, beginning model year 01/2002	27 308	5	Test funnel with seal	70 214
3	Backwater valve module for basement drains with two flaps	27 603			

Basement drain *Drehfix*

Installation in the floor slab, up to model year 12/2001

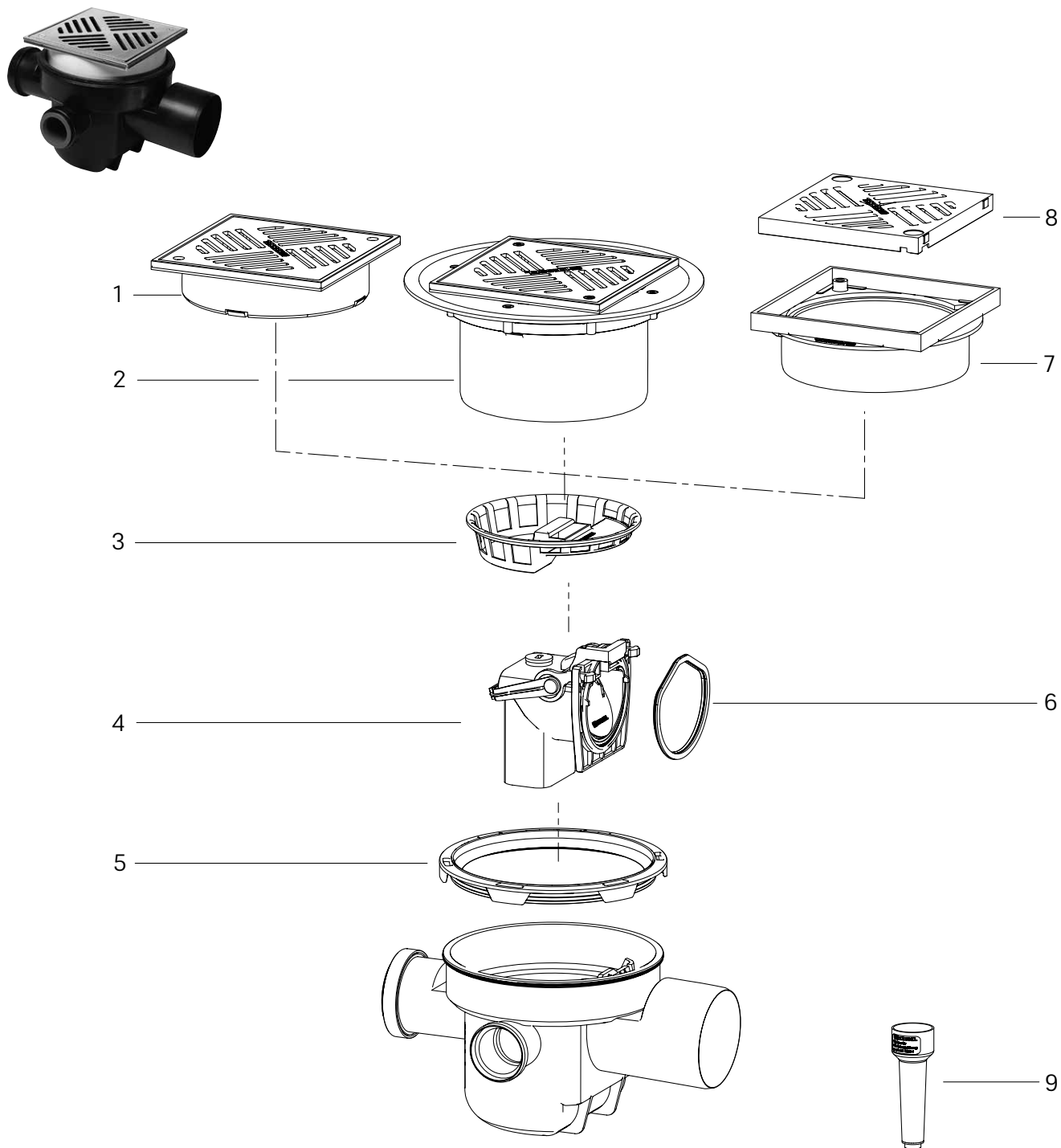


Item	Designation	Art. no.
1	Cover plate and slotted grating set, black, Class A 15	680 899
2	Sludge bucket 170 × 120 × 90 mm	27 108
3	Adapter for retrofitting 27 603 and 27 605	27 608
4	Lip seal Ø 117 mm	680 280
5	Backwater valve module for basement drains with two flaps	27 603

Item	Designation	Art. no.
6	Rolling ring seal, Ø 110	680 001
7	Seal for flap	680 005
8	Flat seal	680 000
9	Test funnel with seal	70 214

Basement drain *The Universal*

Installation in the floor slab

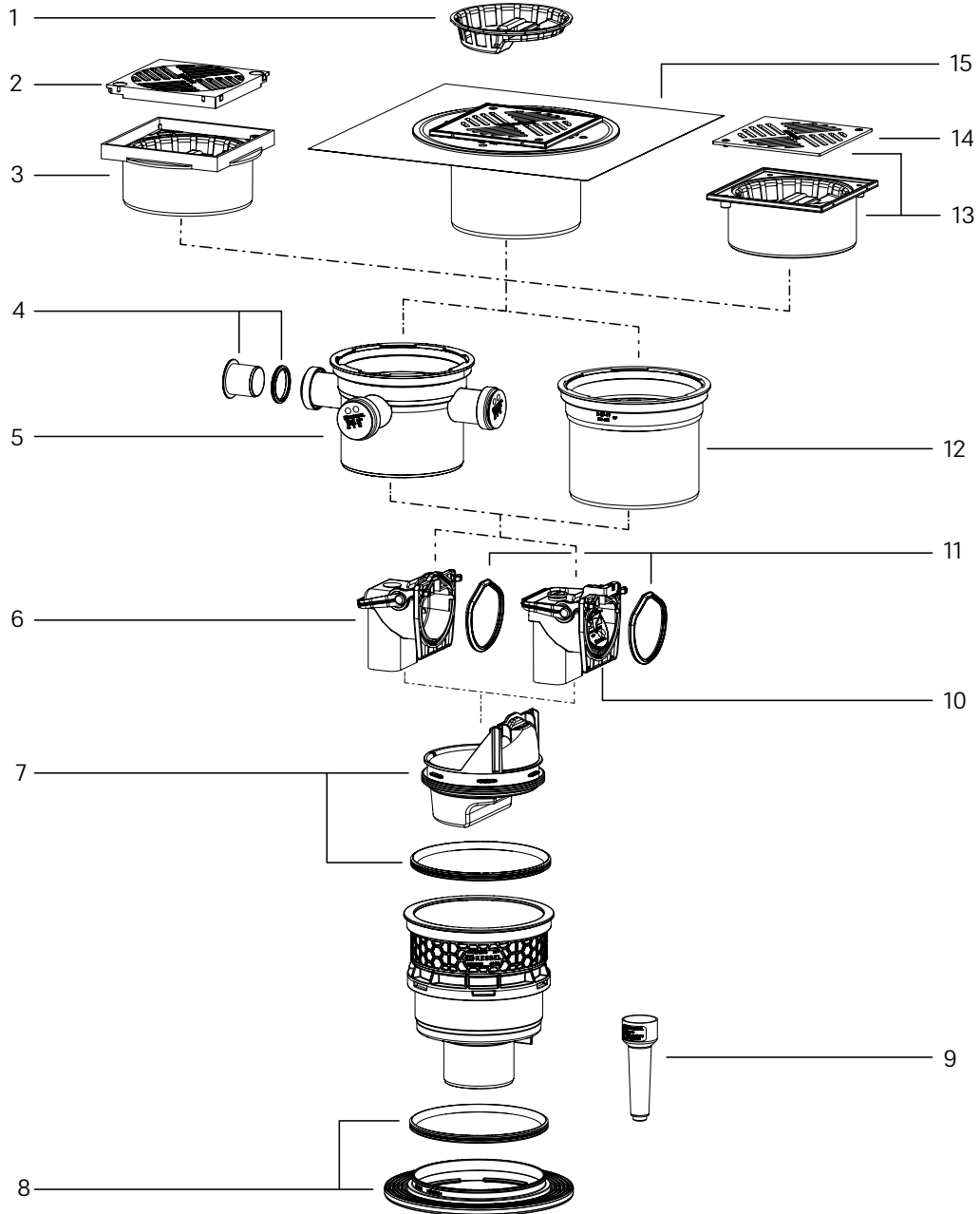


Item	Designation	Art. no.
1	Upper section with stainless steel grating 200 × 200 mm, screwed	48 954
2	Variofix-Shallow bed upper section with slotted grating 200 × 200 mm	48 968
3	Sludge bucket for <i>The Universal</i> basement drain	27 604
4	Backwater valve module for basement drains with two flaps	27 603
5	Lip seal	680 183

Item	Designation	Art. no.
6	Lip seal Ø 117 mm	680 280
7	Upper section for polymer grating	27 714
8	Slotted grating 188 × 188 mm, made of polymer, black	27 613
9	Test funnel with seal	70 214

Basement drain *Universale Plus*

Installation in the floor slab, with Backwater valve

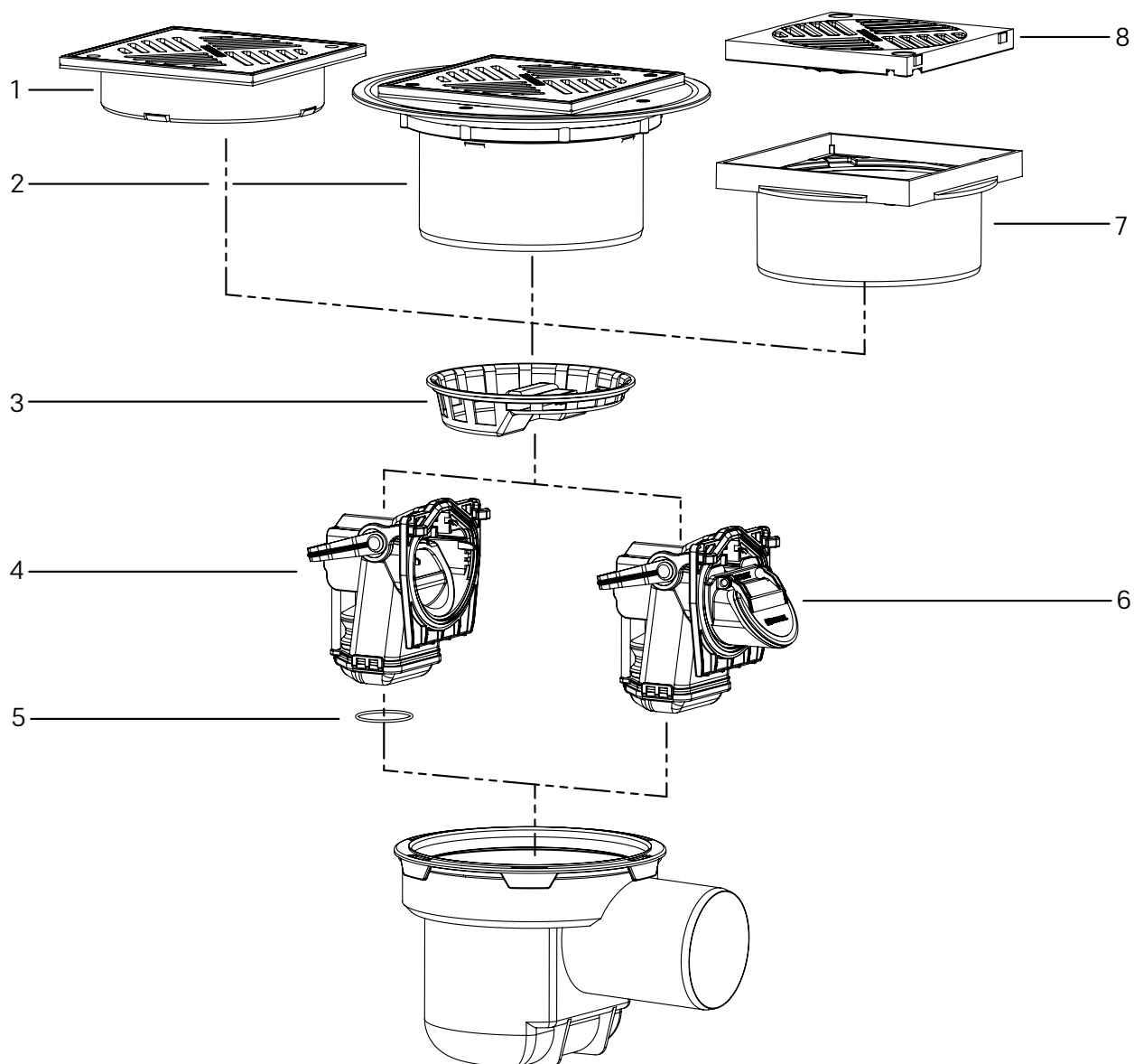


Item	Designation	Art. no.
1	Sludge basket, polymer	27 604
2	Slotted grid black, 188 × 188mm, class K3	27 613
3	Upper section 200 × 200 mm, black	27 714
4	Blind plug for basement drain System 200, DN 50, with seal	681 034
5	Extension section with 3 inlets DN 50	48 966
6	Odour trap	27 605
7	Engineering system base with seal	681 035
8	Waterproof sealing flange with seal	48 967

Item	Designation	Art. no.
9	Test funnel with seal	70 214
10	Double flap backwater valve with integrated odour trap	27 603
11	Lip seal, d: 117 mm	680 280
12	Extension section System 200, H: 175 mm	48 988
13	Upper section 200 × 200 mm with slotted cover, Class K3	48 954
14	Slotted cover 187 × 187 mm, SST, Class K 3	27 643
15	Variofix upper section System 200, Slotted cover, 304 SST, K 3 including sealing collar	48 968

Light liquid trap

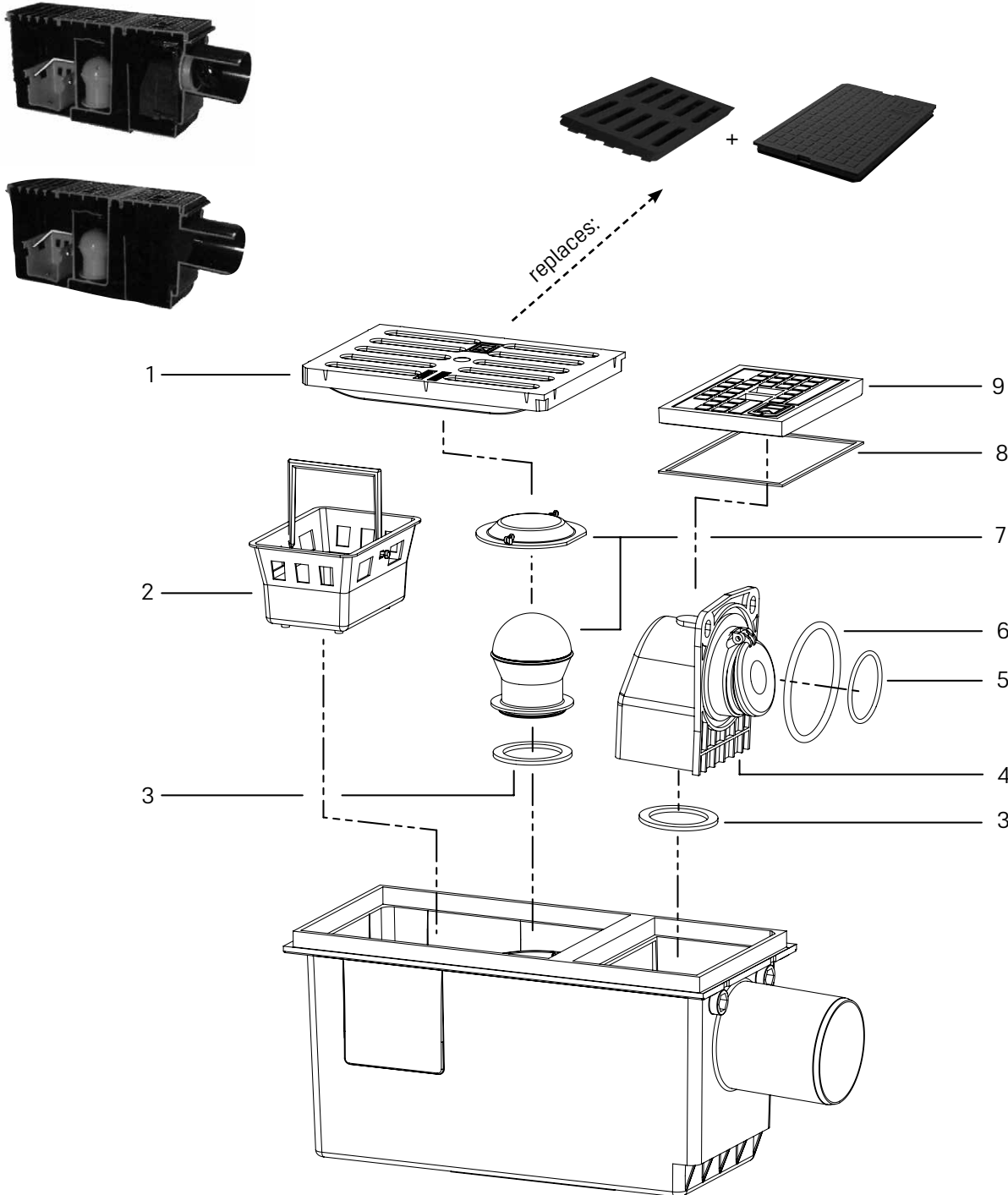
Installation in the floor slab, beginning model year 01/2005



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Upper section with stainless steel grating 200 × 200 mm, screwed	48 954	5	Seal for floater	680 081
2	Variofix-Shallow bed upper section with slotted grating 200 × 200 mm	48 968	6	Floater set with backwater valve and odour trap	27 606
3	Sludge bucket for <i>The Universal</i> basement drain and light liquid trap	27 604	7	Upper section for polymer grating	27 714
4	Floater set with odour trap	27 607	8	Slotted grating 188 × 188 mm, made of polymer, black	27 613

Light liquid trap

Installation in the floor slab, up to model year 12/2004

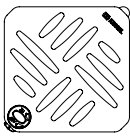
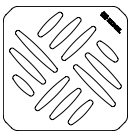

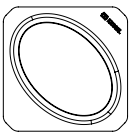



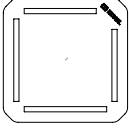
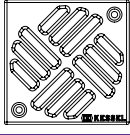
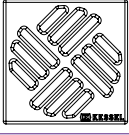
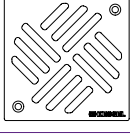
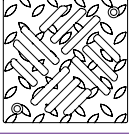
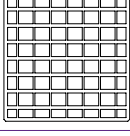
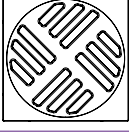
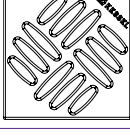
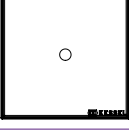
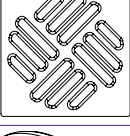
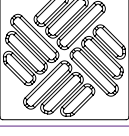


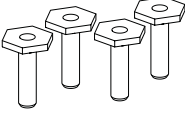


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Slotted grating, black 276 × 191 mm, made of polymer	30 001S	6	Rolling ring seal, Ø 110	680 001
2	Sludge bucket 170 × 120 × 90 mm	27 108	7	Floater set with seal and protective cap	27 119
3	Flat seal	680 000	8	Seal for light liquid trap cover	27 121
4	Backwater valve for light liquid trap	680 222	9	Cover for light liquid trap	27 120*
5	Seal for flap	680 005			

* As long as stocks last

Insert gratings and accessories for point drains

For bathroom drains

Image	Data	Art. no.	Image	Data	Art. no.
	Design grating <i>Kessel</i> 120 × 120 mm made of stainless steel, class L 15 with <i>Lock & Lift</i> locking system	680 226		Design grating <i>Kessel</i> 120 × 120 mm made of stainless steel, class L 15 without <i>Lock & Lift</i> locking system	680 227
	Design grating <i>Oval</i> 120 × 120 mm made of stainless steel, class K 3 with <i>Lock & Lift</i> locking system	680 225		Design grating <i>Oval</i> 120 × 120 mm made of stainless steel, class K 3 without <i>Lock & Lift</i> locking system	680 228
	Design grating <i>Spot</i> 120 × 120 mm made of stainless steel, class K 3 with <i>Lock & Lift</i> locking system	680 238		Design grating <i>Spot</i> 120 × 120 mm made of stainless steel, class K 3 without <i>Lock & Lift</i> locking system	680 232
	Design grating <i>Slot</i> 120 × 120 mm made of stainless steel, class K 3 with <i>Lock & Lift</i> locking system	680 239		Design grating <i>Slot</i> 120 × 120 mm made of stainless steel, class K 3 without <i>Lock & Lift</i> locking system	680 233
	Slotted grating, screwed 139 × 139 × 12.6 mm made of stainless steel, class K 3	27 155		Slotted grating 139 × 139 × 12.6 mm made of stainless steel, class K 3	27 154
	Slotted grating, solid, screwed 137 × 137 × 4 mm made of stainless steel, class L 15	680 241		Slotted grating, solid 137 × 137 × 4 mm made of stainless steel, class L 15	680 242
	Slotted grating, solid 140 × 140 mm made of stainless steel class L 15 / M 125	680 223		Slotted grating 139 × 139 × 12.5 mm made of polymer, black class K 3	60 101S
	Slotted grating 120 × 120 mm made of stainless steel class K 3	680 243		Tileable cover 110 × 110 mm made of polymer with <i>Lock & Lift</i> locking system	680 224
	Slotted grating 102 × 102 mm made of stainless steel, class K 3 only for art. no. 27 165	27 150		Slotted grating 95 × 95 mm made of stainless steel, class K 3 only for art. no. 47 901	27 151
	Key for <i>Lock & Lift</i> for insert gratings	680 702		Shim seal System 125, Ø 270 mm, EPDM	680 886
	Sound and settlement absorber, Hole diameter 14 mm, for <i>The Ultraflat</i> and <i>Linearis Infinity</i> 60 and 90	680 882			

Insert gratings and accessories for point drains

For basement drains

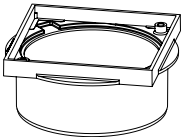
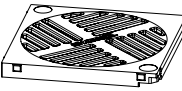
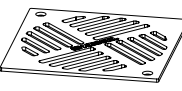
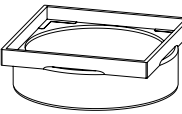
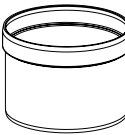
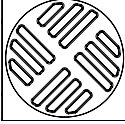
Image	Data	Art. no.
	Upper section for polymer grating 200 × 200 mm, Height 100 mm,	27 714
	Slotted grating 188 × 188 mm, made of polymer, black class K 3	27 613
	Slotted grating 187 × 187 × 4 mm, made of stainless steel, screwed, class K 3, only suitable for art. no. 27 621, 48 968, 29 121, 48 954, 27 641, 27 651, 27 671, 29 141 und 29 151.	27 643

Image	Data	Art. no.
	Upper section for polymer grating 150 × 150 mm, Height 50 mm, only suitable for art. no. 36 501	27 157
	Extension section Ø 160 mm, Extendable by 80 mm, only suitable for art. no. 36 501	36 590
	Slotted grating 139 × 139 × 12.5 mm made of polymer, black class K 3, only suitable for art. no. 36 501	60 101S

For *Ferrofix* stainless steel drains


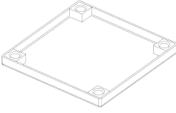
Image	Data	Art. no.
	Cover 150 × 150 mm made of stainless steel V2A, class L 15 incl. screws and seal for art. no. 54 912 and 54 913	680 477

Image	Data	Art. no.
	Tileable cover 150 × 150 mm made of stainless steel V2A, class L 15 incl. screws and seal for art. no. 54 910 and 54 911	680 478

Inserts, covers and accessories for shower channels

For *Linearis Infinity 60 and 90*











Image	Data	Art. no.
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 800 mm, class K 3	681 003
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 900 mm, class K 3	681 004
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 1000 mm, class K 3	681 005
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 1100 mm, class K 3	681 006
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 1200 mm, class K 3	681 007
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 1400 mm, class K 3	681 008
	Insert stainless steel brushed for <i>Linearis Infinity</i> Length: 1600 mm, class K 3	681 009
	Insert Black brushed for <i>Linearis Infinity</i> Length: 800 mm, class K 3	681 017
	Insert Black brushed for <i>Linearis Infinity</i> Length: 900 mm, class K 3	681 018
	Insert Black brushed for <i>Linearis Infinity</i> Length: 1000 mm, class K 3	681 019
	Insert Black brushed for <i>Linearis Infinity</i> Length: 1100 mm, class K 3	681 020
	Insert Black brushed for <i>Linearis Infinity</i> Length: 1200 mm, class K 3	681 021
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 800 mm, class K 3	681 022
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 900 mm, class K 3	681 023
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 1000 mm, class K 3	681 024
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 1100 mm, class K 3	681 025
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 1200 mm, class K 3	681 026

Image	Data	Art. no.
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 800 mm, class K 3	681 022
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 900 mm, class K 3	681 023
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 1000 mm, class K 3	681 024
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 1100 mm, class K 3	681 025
	Insert Copper brushed for <i>Linearis Infinity</i> Length: 1200 mm, class K 3	681 026
	Insert Bronze brushed for <i>Linearis Infinity</i> Length: 800 mm, class K 3	681 027
	Insert Bronze brushed for <i>Linearis Infinity</i> Length: 900 mm, class K 3	681 028
	Insert Bronze brushed for <i>Linearis Infinity</i> Length: 1000 mm, class K 3	681 029
	Insert Bronze brushed for <i>Linearis Infinity</i> Length: 1100 mm, class K 3	681 030
	Insert Bronze brushed for <i>Linearis Infinity</i> Length: 1200 mm, class K 3	681 031

Inserts, covers and accessories for shower channels

For *Linearis Infinity 60 and 90*

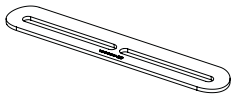
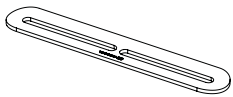
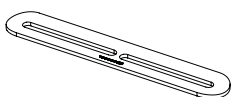
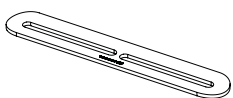
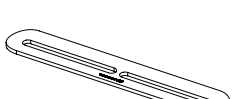


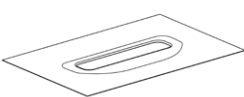




Image	Data	Art. no.
	Replacement cover, Surface stainless steel brushed for <i>Linearis Infinity</i> for all length class K 3	680 943
	Replacement cover, Surface stainless steel polished for <i>Linearis Infinity</i> for all length class K 3	680 945
	Replacement cover, Surface Black brushed for <i>Linearis Infinity</i> for all length class K 3	680 944
	Replacement cover, Surface Copper brushed for <i>Linearis Infinity</i> for all length class K 3	680 946
	Replacement cover, Surface Bronze brushed for <i>Linearis Infinity</i> for all length class K 3	680 947





Image	Data	Art. no.
	<i>Linearis Infinity</i> drain body 60 mm, horizontal outlet DN 40	681 057
	<i>Linearis Infinity</i> drain body 90 mm, horizontal outlet DN 50	681 058
	Flange with membrane for <i>Linearis Infinity</i> 60/90	681 059

Inserts, covers and accessories for shower channels

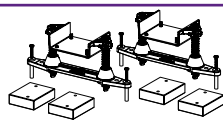

For *Linearis Compact*

Image	Data	Art. no.
 	Stainless steel insert for <i>Linearis Compact</i> Length: 300 mm class K 3	680 261
	Stainless steel insert for <i>Linearis Compact</i> Length: 450 mm class K 3	680 260
	Stainless steel insert for <i>Linearis Compact</i> Length: 550 mm class K 3	680 259
	Stainless steel insert for <i>Linearis Compact</i> Length: 650 mm class K 3	680 258
 	Stainless steel insert for <i>Linearis Compact</i> Length: 750 mm class K 3	680 257
	Stainless steel insert for <i>Linearis Compact</i> Length: 850 mm class K 3	680 256
	Stainless steel insert for <i>Linearis Compact</i> Length: 950 mm class K 3	680 255
	Stainless steel insert for <i>Linearis Compact</i> Length: 1050 mm class K 3	680 254
	Stainless steel insert for <i>Linearis Compact</i> Length: 1150 mm class K 3	680 253

For *Linearis Compact* (without visible spacers)



Image	Data	Art. no.
 	Stainless steel insert for <i>Linearis Compact</i> Length: 300 mm class K 3	680 485
	Stainless steel insert for <i>Linearis Compact</i> Length: 450 mm class K 3	680 484
	Stainless steel insert for <i>Linearis Compact</i> Length: 550 mm class K 3	680 483
	Stainless steel insert for <i>Linearis Compact</i> Length: 650 mm class K 3	680 482
 	Stainless steel insert for <i>Linearis Compact</i> Length: 750 mm class K 3	680 425
	Stainless steel insert for <i>Linearis Compact</i> Length: 850 mm class K 3	680 426
	Stainless steel insert for <i>Linearis Compact</i> Length: 950 mm class K 3	680 427
	Stainless steel insert for <i>Linearis Compact</i> Length: 1050 mm class K 3	680 428
	Stainless steel insert for <i>Linearis Compact</i> Length: 1150 mm class K 3	680 429

For all *Linearis Compact*



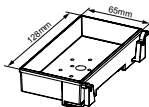
Image	Data	Art. no.
	Mounting bracket for <i>Linearis Compact</i> 2 brackets incl. rubber insert	680 669
	Waterproofing membrane for <i>Linearis Compact</i> suitable for all lengths	680 728

Inserts, covers and accessories for shower channels



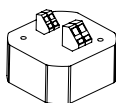

For Linearis Comfort

Image	Data	Art. no.
	Stainless steel insert for <i>Linearis Comfort</i> Length: 750 mm class K 3	680 262
	Stainless steel insert for <i>Linearis Comfort</i> Length: 850 mm class K 3	680 263
	Stainless steel insert for <i>Linearis Comfort</i> Length: 950 mm class K 3	680 264
	Stainless steel insert for <i>Linearis Comfort</i> Length: 1050 mm class K 3	680 265
	Stainless steel insert for <i>Linearis Comfort</i> Length: 1150 mm class K 3	680 266



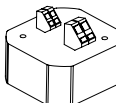

For Linearis Super60

Image	Data	Art. no.
	Stainless steel insert for <i>Linearis Super60</i> Length: 750 mm class K 3	680 248
	Stainless steel insert for <i>Linearis Super60</i> Length: 850 mm class K 3	680 249
	Stainless steel insert for <i>Linearis Super60</i> Length: 950 mm class K 3	680 250
	Stainless steel insert for <i>Linearis Super60</i> Length: 1150 mm class K 3	680 251
	Tileable cover for <i>Linearis Super60</i> and <i>Linearis Super60 Light</i> class K 3	680 683

For Linearis Comfort Light





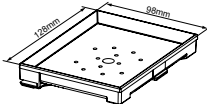
Image	Data	Art. no.
	LED cover for <i>Linearis Comfort Light</i> Length: 750 mm for max. load of 100 kg	680 267
	LED cover for <i>Linearis Comfort Light</i> Length: 850 mm for max. load of 100 kg	680 268
	LED cover for <i>Linearis Comfort Light</i> Length: 950 mm for max. load of 100 kg	680 269
	LED cover for <i>Linearis Comfort Light</i> Length: 1150 mm for max. load of 100 kg	680 270
	24 V transformer for <i>Linearis Comfort Light</i>	680 252
	Induction transmitter for <i>Linearis Comfort Light</i>	680 271

For Linearis Super60 Light

Image	Data	Art. no.
	LED cover for <i>Linearis Super60 Light</i> Length: 750 mm class K 3	680 690
	LED cover for <i>Linearis Super60 Light</i> Length: 850 mm class K 3	680 691
	LED cover for <i>Linearis Super60 Light</i> Length: 950 mm class K 3	680 692
	LED cover for <i>Linearis Super60 Light</i> Length: 1150 mm class K 3	680 693
	24 V transformer for <i>Linearis Super60 Light</i>	680 252
	Induction transmitter for <i>Linearis Super60 Light</i>	680 420

Inserts, covers and accessories for shower channels and Scada Wall drain

For Linearis

Image	Data	Art. no.
	Stainless steel insert for <i>Linearis</i> Length: 750 mm class K 3	680 686
	Stainless steel insert for <i>Linearis</i> Length: 850 mm class K 3	680 687
	Stainless steel insert for <i>Linearis</i> Length: 950 mm class K 3	680 688
	Stainless steel insert for <i>Linearis</i> Length: 1150 mm class K 3	680 689
	Tileable cover for <i>Linearis</i> class K 3	680 715

For Scada wall drain


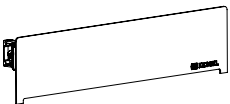

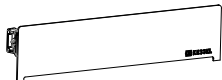
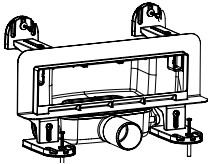
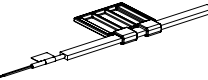
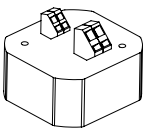

Image	Data	Art. no.
	Tileable drain cover for <i>Scada</i> wall drain, V2A, tiling height up to 10 mm Length: 300 mm	48 011
	Drain cover, stainless steel V2A for wall drain, <i>Scada</i> Tiling height up to 10 mm Length: 300 mm	48 012
	Drain cover Wave, for wall drain, <i>Scada</i> , V2A Tiling height up to 10 mm Length: 300 mm	48 013
	Drain cover stainless steel for wall drain, <i>Scada</i> , V2A Tiling height up to 17 mm Length: 300 mm	48 014

Image	Data	Art. no.
	LED strip, RGB (with changing colours) for wall drain, <i>Scada</i> Length: 300 mm	48 018
	Spare parts set for <i>Scada</i> (removal tools and spacers)	680 685
	12 V transformer for wall drain, <i>Scada</i>	680 078

Replacement covers, gratings and accessories

For patio drains

Image	Data	Art. no.
	Slotted grating Ø 120 mm, made of polymer, class K 3 only for art. no. 40 152.71 and 40 172.71	27 156

For gutter drains

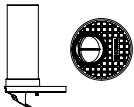
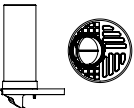
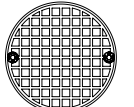


Image	Data	Art. no.
	Upper section, rain inlet Ø 218 mm with protective pipe Ø 110, made of polymer, solid cover	67 750
	Upper section rain inlet, slotted grating, Ø 218 mm with protective pipe Ø 110 made of polymer	67 700
	Solid cover plate Ø 218 mm made of polymer class A 15 / L 15	67 775

Image	Data	Art. no.
	Lip seal Ø 230 mm	27 140
	Lip seal for non-slip mounting, for <i>The Universal</i> and System 200 floor drains	27 141

For roof drains made of *Ecoguss*







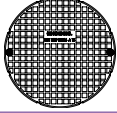











Image	Data	Art. no.
	Gravel trap for roof drain, <i>Ecoguss</i> , made of polymer	48 303
	Accumulation ring H = 35 mm, Ø 75/110 made of <i>Ecoguss</i> for overflow drainage	48 335

Image	Data	Art. no.
	Spacer ring for roof drain, <i>Ecoguss</i>	48 302
	Accumulation ring H = 45 mm, Ø 125 made of <i>Ecoguss</i> for overflow drainage	48 345

Covers, insert gratings and accessories

For yard and parking deck drains

Image	Data	Art. no.	Image	Data	Art. no.
	Slotted grating, <i>Ecoguss</i> for yard and parking deck drain, with <i>Lock & Lift</i> Ø 235 mm class B 125	680 216		Slotted grating, round, made of polymer Ø 218 mm made of polymer, black, lockable, class A 15 / L 15	27 173
	Cover plate with seal Ø 362 mm made of polymer, black class A 15	680 312		Slotted grating, round Ø 362 mm made of polymer, black, lockable, class A 15	850 134
	Cover plate Ø 362 mm made of grey cast iron, black class B 125	680 553		Slotted grating, round Ø 362 mm made of grey cast iron, black, lockable, class B 125	850 135
	Cover plate Ø 395 mm made of grey cast iron, class D 400 only suitable for art. no. 850 121	680 313		Slotted grating, round Ø 395 mm made of grey cast iron, class D only suitable for art. no. 850 121	850 137
	Key for <i>Lock & Lift</i> for cover plates (suitable for yard and parking deck drains)	67 007		Slotted grating, round, lockable, Ø 218 mm, made of polymer, class A 15	27 173
	Lip seal Ø 230 mm	27 140		Support frame 300 × 300 mm, class A 15 / L 15	27 180
	Lip seal for non-slip mounting, for <i>The Universal</i> and System 200 floor drains	27 141		Upper section with lip seal, continuously height-adjustable 40 - 150 mm for System 200	67 400

Odour traps

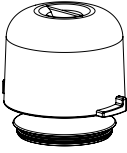

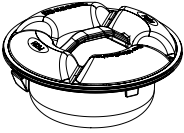





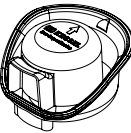

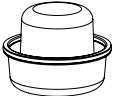






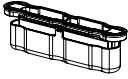

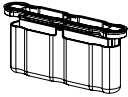


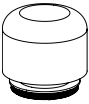






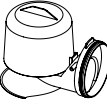






Bild	passend für Ablauf	Art.-Nr.
	<i>Ecoguss and Practicus</i>	27 169
		
	Drain body, <i>The Ultraflat</i> , up to model year 07/2018	47 103
		
	for <i>The Ultraflat 54</i> , beginning model year 08/2018	680 695
	for <i>The Ultraflat 79</i> , beginning model year 08/2018	680 696
	<i>Megastop</i> for polymer upper section system 125, beginning model year 08/2018	48 550
	<i>Multistop</i> for upper sections System 125	48 500
	Drain body, <i>The Superflat</i>	47 102
		
	Drain body, <i>Classic</i> Sealing water height: 50 mm 30 mm	47 200 47 100
	All upper sections for System 125 and Drain body, <i>The Vertical</i> , 50 mm sealing water height	48 600
		
	Shower channel <i>Linearis Compact</i> and <i>Comfort</i> , wall drain <i>Scada</i> Sealing water height 22 mm	48 603
		
	Shower channel <i>Linearis Comfort</i> Sealing water height 50 mm	48 602
		

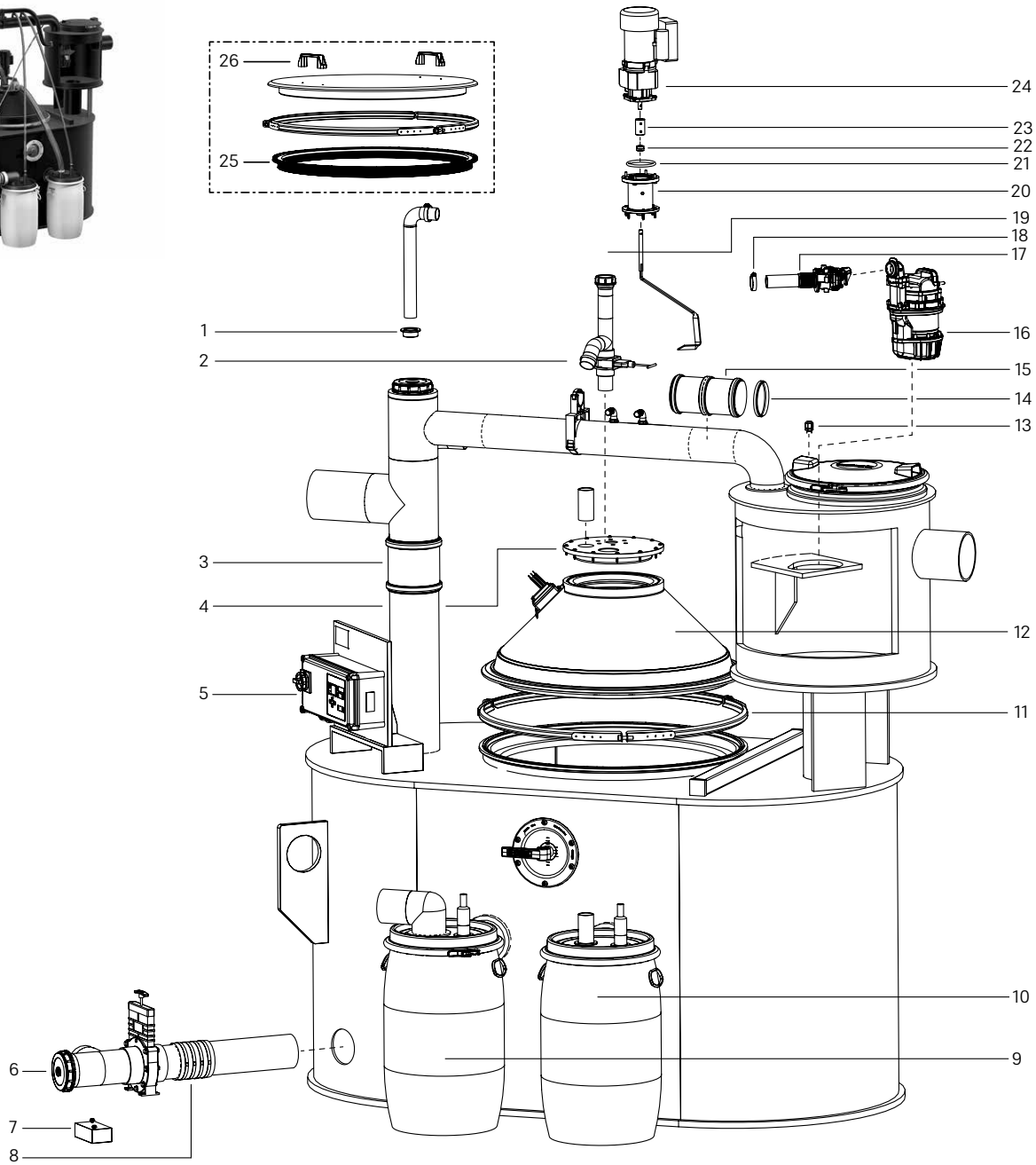
Bild	passend für Ablauf	Art.-Nr.
	Shower channel <i>Linearis Infinity 60</i> Sealing water height 24 mm	680 941
		
	Shower channel <i>Linearis Infinity 90</i> Sealing water height 50 mm	680 942
		
	Removal aid for Odour trap of shower channel <i>Linearis Infinity 60 and 90</i>	680 948
	<i>Ferrofix System 125</i> made of stainless steel, Sealing water height 50 mm	54 188
		
	<i>Ferrofix System 200</i> made of stainless steel, Sealing water height 70 mm	27 182
		
	Yard and gutter drains, 70 mm sealing water height	27 170
	Gutter drains, 100 mm sealing water height	27 171
	Yard drains System 400, Ø 110 for art. no. 850 009	850 141
	Yard drains System 400 Ø 160 for art. no. 850 010	850 142
	<i>Multistop 200</i> for drains art. no. 67 985, 67 923B and 67 922B	48 520
	Drain body <i>Rotary</i>	48 975
	Basement drain art. no. 36 501	60 103
		
	Basement drain art. no. 29 111	27 605
		

5. Separators

Grease separator "SE"	135	Grease separator, <i>EasyClean</i> free Basic	148
Grease separator Euro "E+S" PV	138	Grease separator <i>EasyClean</i> free Auto Mix & Pump NS 15-50	149
Grease separator <i>EasyClean</i> free Auto Mix & Pump	139	Sampling chamber	150
Grease separator Euro "E+S" M	140	Grease separator, <i>EasyClean</i> ground Standard	152
Grease separator <i>EasyClean</i> free Mix & Pump	141	Grease separator <i>EasyClean</i> ground Auto Mix & Pump	153
Grease separator Euro "D+S-P1"	142	Grease separator <i>EasyClean</i> ground Oval	154
Grease separator <i>EasyClean</i> free Auto Mix	143	Grease separator <i>UnderSink</i>	155
Grease separator Euro "D+S"	144	Grease layer thickness measuring device <i>SonicControl</i>	156
Grease separator <i>EasyClean</i> free Mix	145	Oil/fuel and coalescence separator <i>EasyOil</i> ground	157
Grease separator Euro D and G	146	Automatic measuring device <i>SonicControl</i>	159
Grease separator, <i>EasyClean</i> free, Direct and Standard	147		

Grease separator "SE"

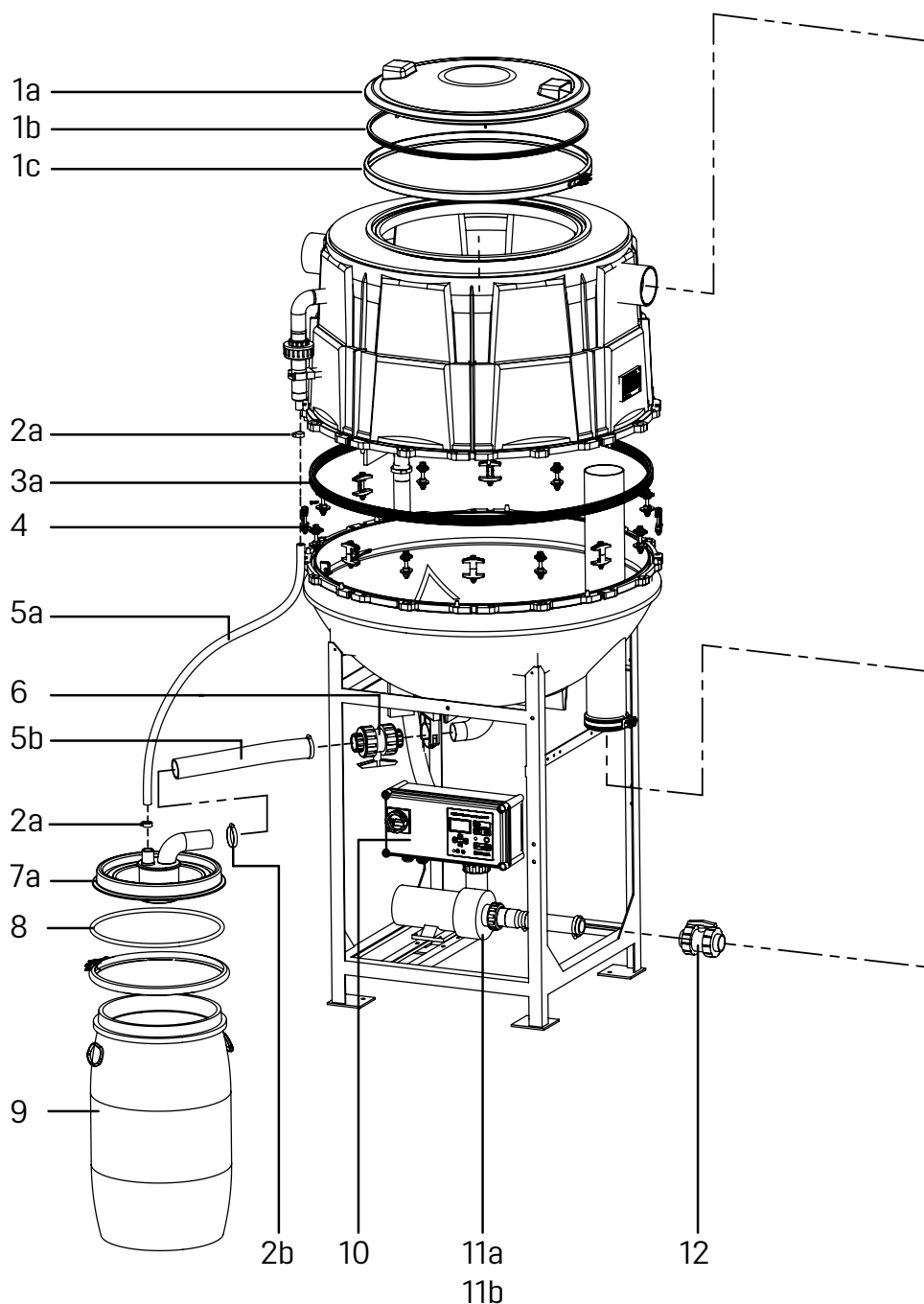
For free-standing set-up, up to model year 12/2019



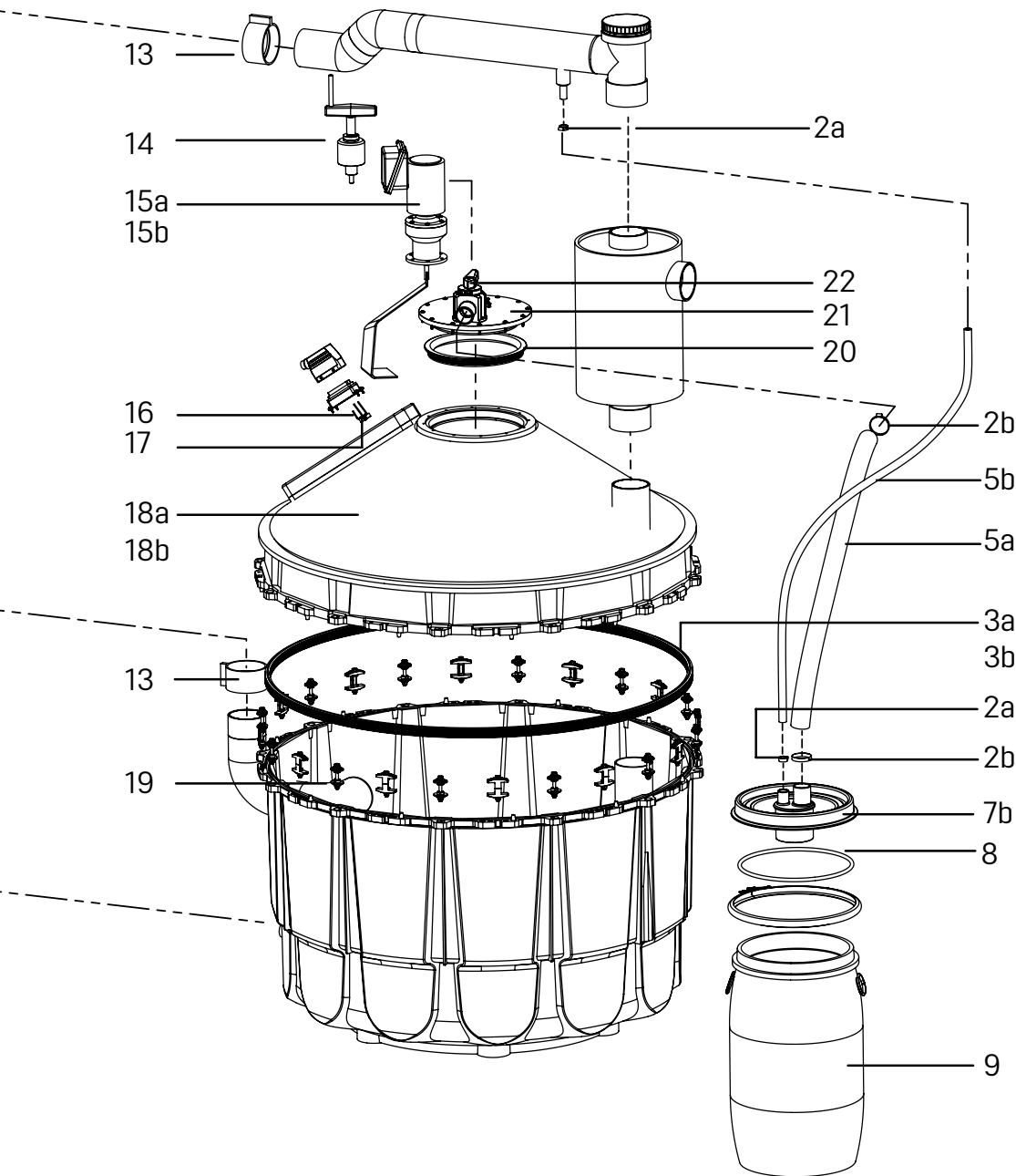
Item	Designation	Art. no.	Item	Designation	Art. no.
1	Conduit pipe seal, Ø 40	680 516	14	Lip seal Ø 110 EN 682-1	680 515
2	Valve for grease removal, grease separator SE	680 304	15	Double socket Ø 110 channel	680 513
3	Double socket Ø 160	680 517	16	Replacement pump GTF 1300	680 520
4	Cover, grease removal, China-SE	680 507	17	Pump coupling GTF 1300	680 523
5	Control unit 230 V, for grease separator SE	680 339	18	Hose clamp 32 - 50 mm	680 521
6	Shut-off valve Ø 110 panel system	680 512	19	Mixing bracket	680 508
7	Support for sludge disposal	680 511	20	Adapter for mixing motor	680 504
8	Adapter coupling 187 - 212 mm	680 519	21	O-ring 59 × 3 mm	680 509
9	Cover with disposal connection incl. sludge drum	680 289	22	Seal for radial shaft	680 510
10	Cover with disposal connection incl. grease drum	680 285	23	Coupling	680 505
11	Profile clamp Ø 880 mm	680 502	24	Grease mixing motor 230 V	680 310
12	Heating dome, grease separator SE	680 433	25	Profiled seal 980 mm for NS 15 - 25	680 503
13	Cable gland M16 × 1.5	680 522	26	Handle for NS 15 - 25	680 506

Grease separator "SE"

Free-standing set-up



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover		4	Screw connection (12 ea.)	917 838
1a	Cover Ø 625 mm	916 901	5	PVC hose	
1b	Seal for cover Ø 625 mm	917 201	5a	D19 × 3, thin, Ø 25 mm (1.7 m)	680 286
1c	Clamp fastener for cover Ø 625 mm	917 001	5b	D50 × 5, thick Ø 60 mm (1.0 m)	680 282
2	Hose clamps		6	Ball valve Ø 40, for sludge removal	680 288
2a	for thin hose Ø 25 mm (1 ea.)	680 287	7	Cover with disposal connection	
2b	for thick hose Ø 60 mm (1 ea.)	680 283	7a	incl. sludge drum	680 289
3	Seal		7b	incl. grease drum	680 285
3a	Ø 980 mm, for NS 2	840 113	8	Seal for disposal drum 60 l.	680 481
3b	Ø 1200 mm, for NS 4	860 113	9	Disposal drum for grease separator SE, 60 l.	680 319



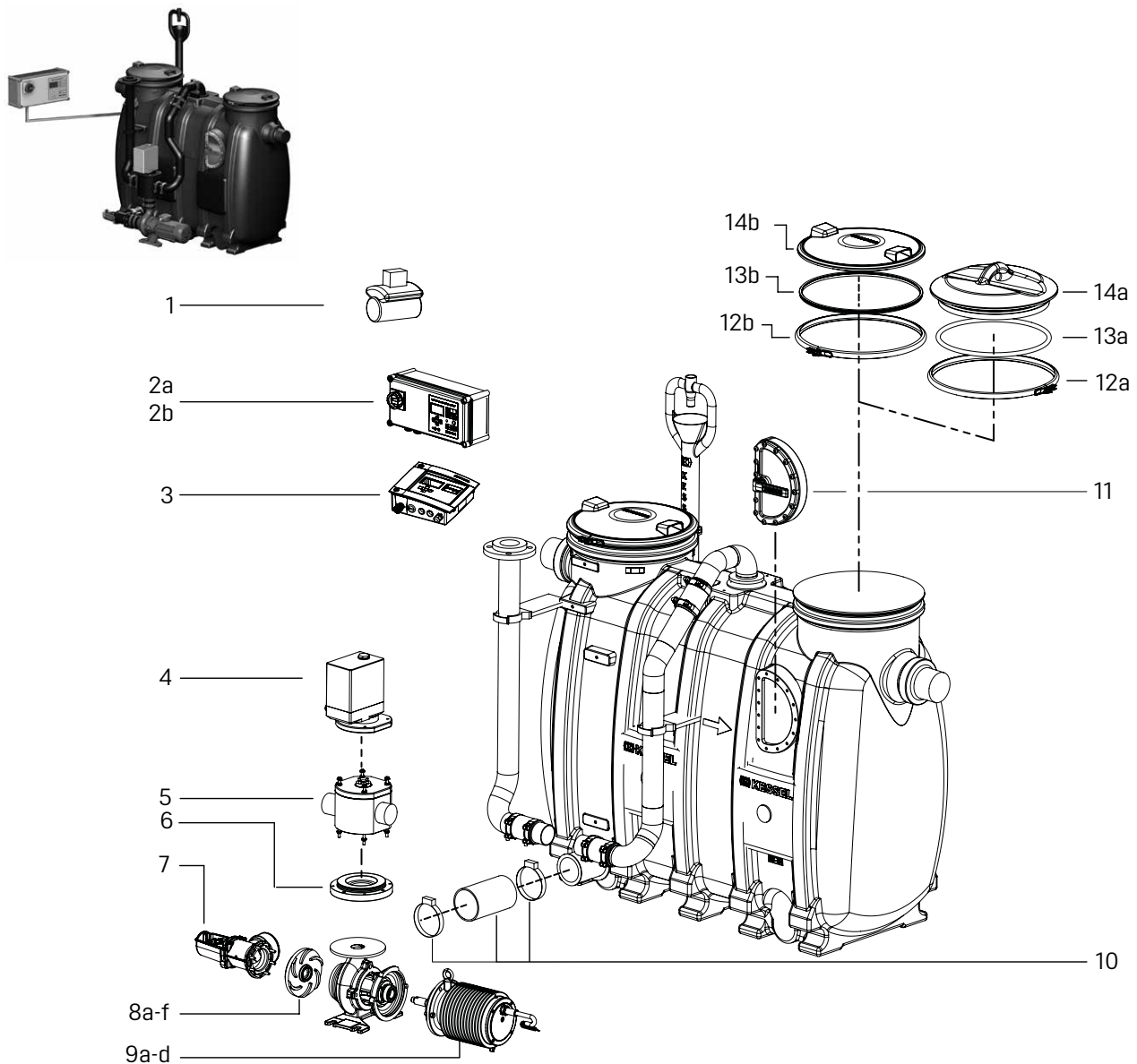
Item	Designation	Art. no.
10	Control unit 230 V, for grease separator SE	680 339
11	Flushing pump	
11a	400 V, grease separator SE	680 305
11b	230 V, grease separator SE	917 111
12	Ball valve Ø 32	680 284
13	Clamp sleeve Ø 110	680 432
14	Mixing lever with G1	680 290
15	Grease mixing motor	
15a	400 V AC	680 306
15b	230 V AC	680 310

Item	Designation	Art. no.
16	Temperature sensor for grease separator SE	680 308
17	Thermal fuse for grease separator SE	680 291
18	Heating dome*	
18a	Replacement heating dome for NS 4 - 10	680 433
18b	Adapter heating dome incl. taper	680 309
19	Connecting wedges (12 ea.)	860 111
20	Lip seal Ø 296 mm	680 057
21	Cover for grease removal, grease separator SE	680 303
22	Valve for grease removal, grease separator SE	680 304

* There is often a delay between production and delivery, so please always send the type plate and photo to kundendienst@kessel.de.

Grease separator Euro "E+S" PV

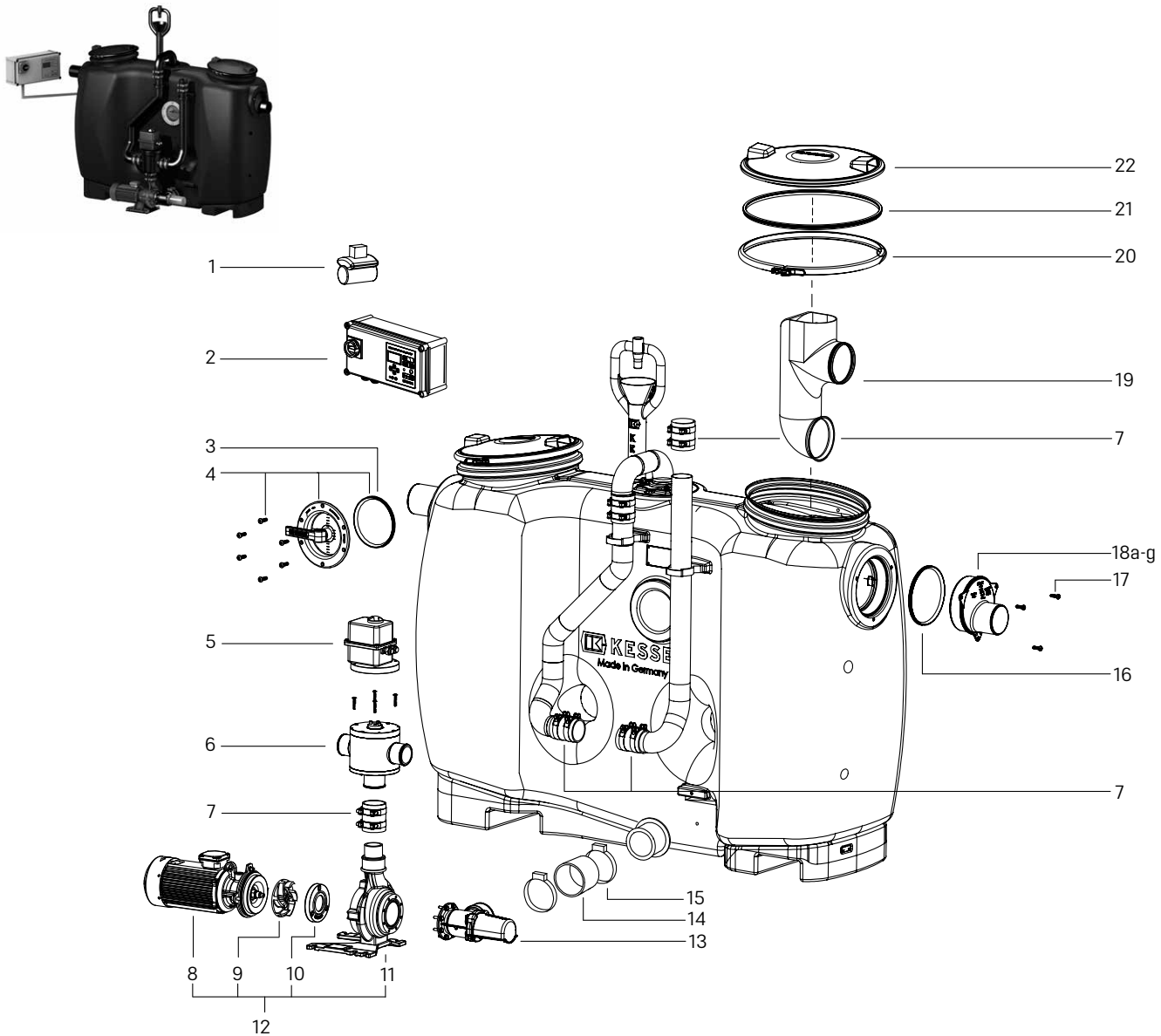
Free-standing set-up, up to model year 09/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Solenoid valve 1 inch (1 ea.)	85 047	9	Replacement pump	
2	Control unit		9a	SPF 260 KE, 2.6 kW	680 330
2a	for Auto Mix & Pump 2.6/3.0 and 4.0 kW	680 342	9b	SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856
2b	for Auto Mix & Pump 5.5 kW	680 344	9c	SPF 400 KE, 4.0 kW	680 331
3	RemoteControl	916 601	9d	SPF 550 KE, 5.5 kW	680 332
4	Servo motor	680 832	10	Flexible coupling Ø 110, for pressure pipes (hose with 2 clamps)	28 663
5	2-way valve, redistributor	680 275	11	Inspection window for Euro grease separator	680 589
6	Adapter for grease separator pump	680 590	12	Clamp fastener	
7	Shut-off valve Ø 110, polymer, horizontal	28 683	12a	for cover Ø 420, up to model year 03/2004	680 325
8a	Radial impeller with cutting plate and agitator for 2.6 kW	917 850	12b	for cover Ø 420, beginning model year 04/2004	917 004
8b	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	13	Seal	
8c	Radial impeller with cutting plate and agitator for 4.0 kW	917 851	13a	for cover Ø 420, up to model year 03/2004	680 217
8d	Radial impeller with cutting plate and agitator for 5.5 kW	917 852	13b	for cover Ø 420, beginning model year 04/2004	917 204
8e	Cutting plate for 2.6/4.0 and 5.5 kW	917 853	14	Cover	
8f	Cutting plate for 3.0 kW	917 855	14a	Ø 420, up to model year 03/2004	680 326
			14b	Ø 420, beginning model year 04/2004	916 904

Grease separator *EasyClean* free Auto Mix & Pump

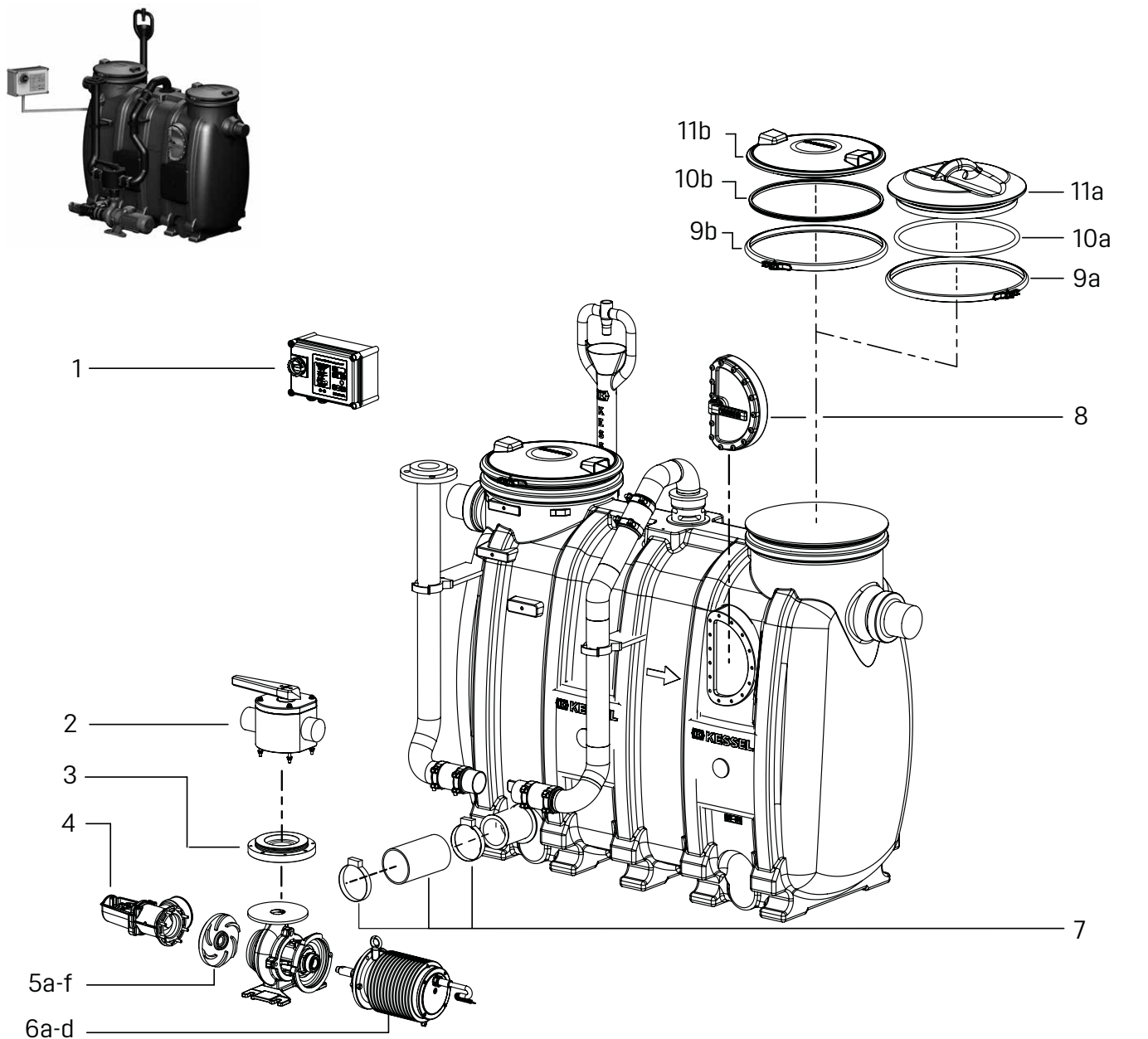
Free-standing set-up, beginning model year 10/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Solenoid valve 1 inch (1 ea.)	85 047	16	Seal for inlet/outlet connection, Ø 200	680 128
2	Control unit Auto Mix & Pump 2.6, 3.0 and 4.0 kW	680 342	17	Screw 10×3, A2	680 164
3	Seal Ø 160 for inspection window	680 003	18	Inlet/outlet for grease separator	
4	Inspection window for grease separator, <i>EasyClean</i> , with seal and screws	913 109	18a	Inlet NS 2 - 4	680 435
5	Servo motor	680 832	18b	Inlet NS 7 - 10	680 436
6	2-way valve, redistributor	680 275	18c	Outlet NS 2	680 437
7	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555	18d	Outlet NS 3	680 890
8	Gear motor for SPF 300 KE, IP 55	680 916	18e	Outlet NS 4	680 437
9	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	18f	Outlet NS 7	680 891
10	Cutting plate 3.0 kW	917 855	18g	Outlet NS 10	680 438
11	Pump casing for SPF 300 KE	680 917	19	Inlet/outlet structure for grease separator NS 2 - 10	680 439
12	Replacement pump SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856	20	Clamp fastener for cover 420 mm, beginning model year 04/2004	917 004
13	Shut-off valve Ø 110, polymer, horizontal	680 329	21	Seal for cover Ø 420, beginning model year 04/2004	917 204
14	Connection hose Ø 110, L: 100 mm	680 434	22	Cover Ø 420, beginning model year 04/2004	916 904
15	Hose clamp Ø 110	680 126			

Grease separator Euro "E+S" M

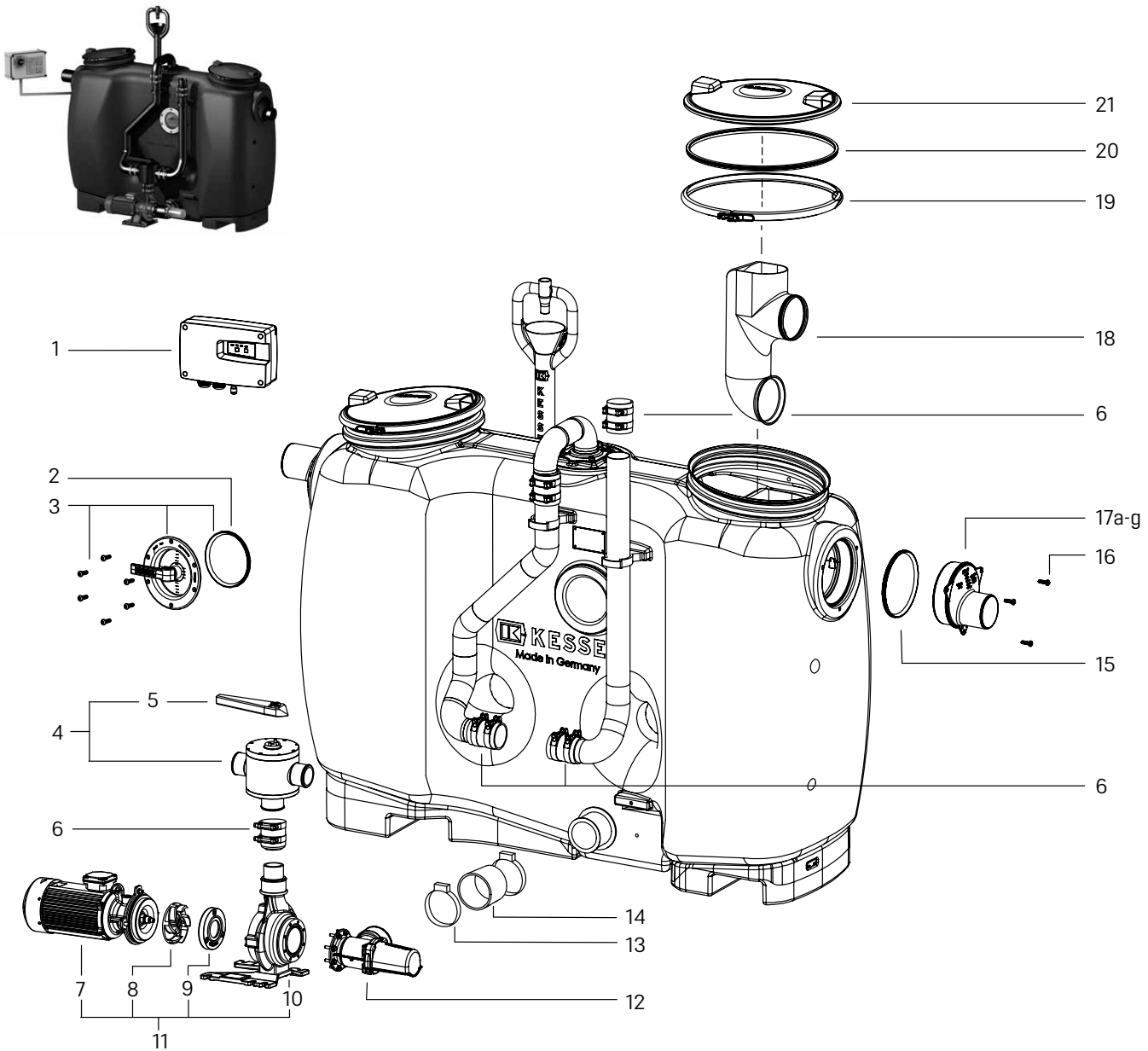
Free-standing set-up, up to model year 09/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit for Mix & Pump 2.6/3.0 and 4.0 kW	680 341	6c	SPF 400 KE, 4.0 kW	680 331
2	Valve, 2-way redistributor, with lever	680 274	6d	SPF 550 KE, 5.5 kW	680 332
3	Adapter for grease separator pump	680 590	7	Flexible coupling Ø 110, for pressure pipes (hose with 2 clamps)	28 663
4	Shut-off valve Ø 110, polymer, horizontal	680 329	8	Inspection window for Euro grease separator	680 589
5a	Radial impeller with cutting plate and agitator for 2.6 kW	917 850	9	Clamp fastener	
5b	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	9a	for cover Ø 420, up to model year 03/2004	680 325
5c	Radial impeller with cutting plate and agitator for 4.0 kW	917 851	9b	for cover Ø 420, beginning model year 04/2004	917 004
5d	Radial impeller with cutting plate and agitator for 5.5 kW	917 852	10	Seal	
5e	Cutting plate for 2.6/4.0 and 5.5 kW	917 853	10a	for cover Ø 420, up to model year 03/2004	680 217
5f	Cutting plate for 3.0 kW	917 855	10b	for cover Ø 420, beginning model year 04/2004	917 204
6	Replacement pump		11	Cover	
6a	SPF 260 KE, 2.6 kW	680 330	11a	Ø 420, up to model year 03/2004	680 326
6b	SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856	11b	Ø 420, beginning model year 04/2004	916 904

Grease separator *EasyClean* free Mix & Pump

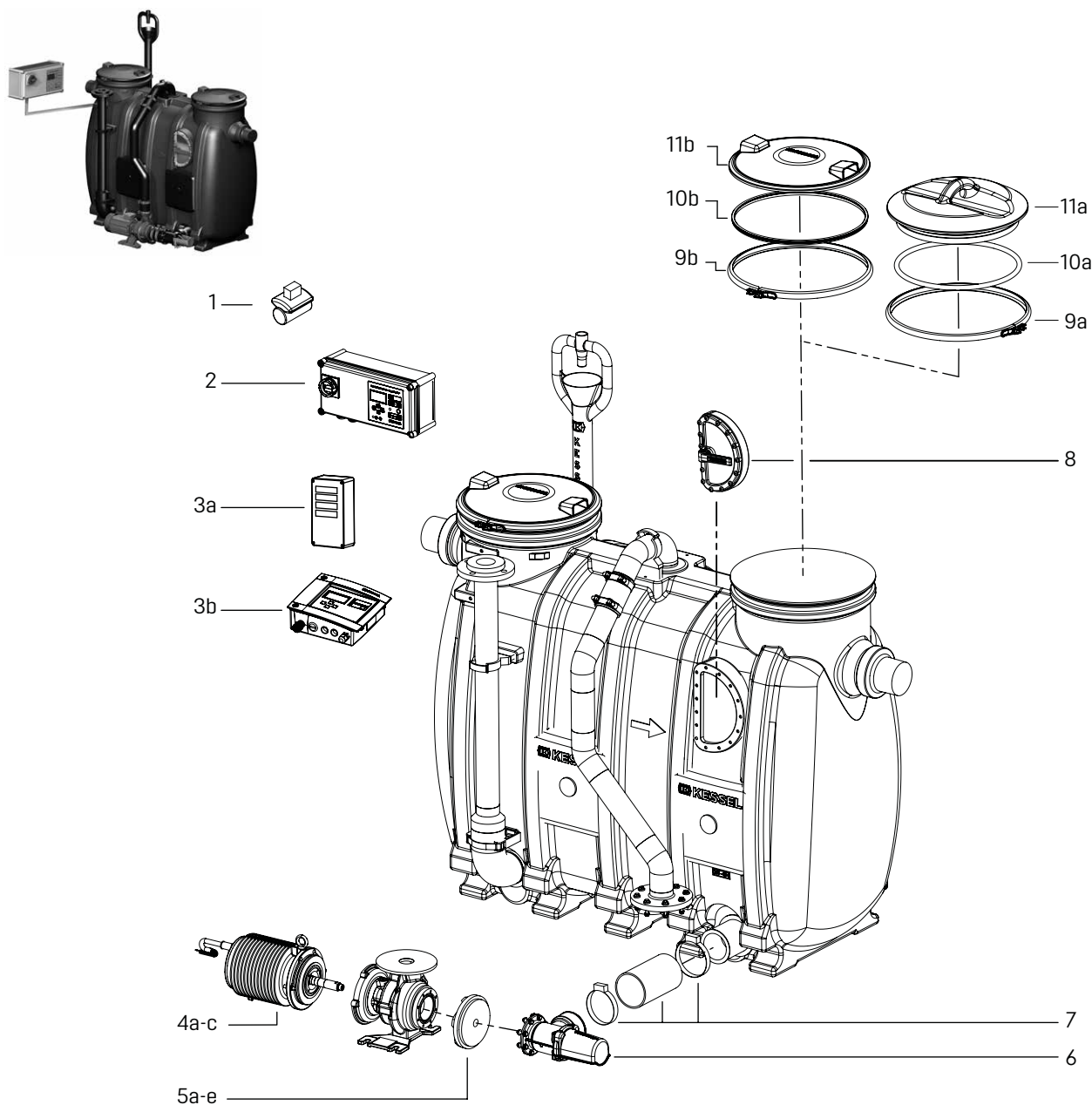
Free-standing set-up, beginning model year 10/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Control unit Connect 400V, grease separator	681 095	15	Seal for inlet/outlet connection, Ø 200	680 128
2	Seal Ø 160 for inspection window	680 003	16	Screw 10×3, A2	680 164
3	Inspection window for grease separator, <i>EasyClean</i> , with seal and screws	913 109	17	Inlet/outlet for grease separator	
4	Valve, 2-way redistributor, with lever	680 274	17a	Inlet NS 2 - 4	680 435
5	Hand lever for Valve block	680 440	17b	Inlet NS 7 - 10	680 436
6	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555	17c	Outlet NS 2	680 437
7	Geared motor for SPF 300 KE, IP 55	680 916	17d	Outlet NS 3	680 890
8	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	17e	Outlet NS 4	680 437
9	Cutting plate for 3.0 kW	917 855	17f	Outlet NS 7	680 891
10	Pump casing for SPF 300 KE	680 917	17g	Outlet NS 10	680 438
11	Replacement pump SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856	18	Inlet/outlet structure for grease separator NS 2 - 10	680 439
12	Shut-off valve Ø 110, polymer, horizontal	680 329	19	Clamp fastener for cover 420 mm, beginning model year 04/2004	917 004
13	Hose clamp Ø 110	680 126	20	Seal for cover Ø 420, beginning model year 04/2004	917 204
14	Connection hose Ø 110, L: 100 mm	680 434	21	Cover Ø 420, beginning model year 04/2004	916 904

Grease separator Euro "D+S-P1"

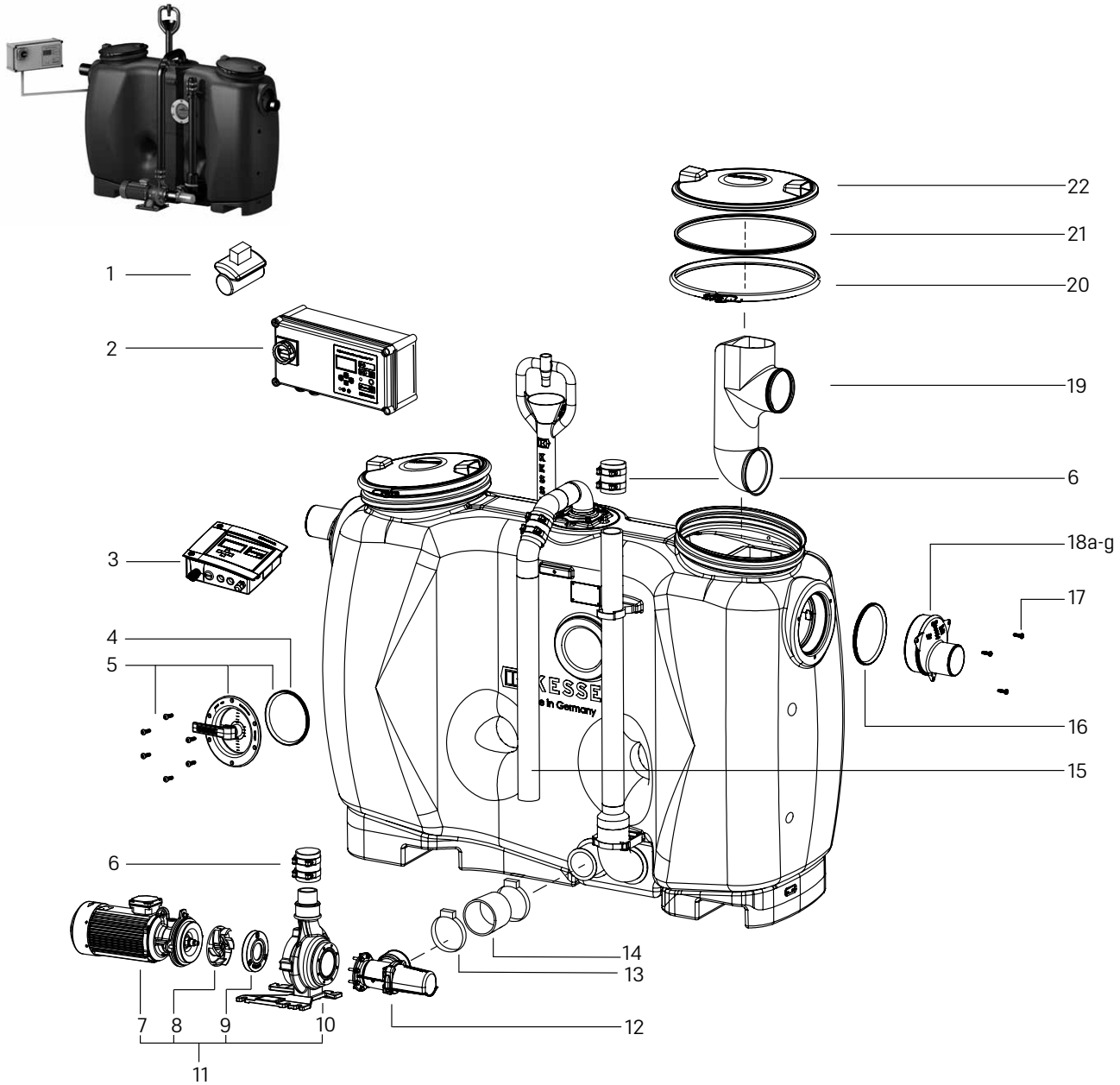
Free-standing set-up, up to model year 09/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Solenoid valve 1 inch (1 ea.)	85 047	5e	Cutting plate for 3.0 kW	917 855
2	Control unit Auto Mix, 4.0 kW	680 343	6	Shut-off valve Ø 110, polymer, horizontal	28 683
3	RemoteControl		7	Flexible coupling Ø 110, for pressure pipes (hose with 2 clamps)	28 663
3a	up to model year 05/2011	on request	8	Inspection window for Euro grease separator	680 589
3b	beginning model year 06/2011	916 601	9	Clamp fastener	
4	Replacement pump		9a	for cover Ø 420, up to model year 03/2004	680 325
4a	SPF 260 KE, 2.6 kW	680 330	9b	for cover Ø 420, beginning model year 04/2004	917 004
4b	SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856	10	Seal	
4c	SPF 400 KE, 4.0 kW	680 331	10a	for cover Ø 420, up to model year 03/2004	680 217
5a	Radial impeller with cutting plate and agitator for 2.6 kW	917 850	10b	for cover Ø 420, beginning model year 04/2004	917 204
5b	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	11	Cover	
5c	Radial impeller with cutting plate and agitator for 4.0 kW	917 851	11a	Ø 420, up to model year 03/2004	680 326
5d	Cutting plate for 2.6/4.0 and 5.5 kW	917 853	11b	Ø 420, beginning model year 04/2004	916 904

Grease separator *EasyClean* free Auto Mix

Free-standing set-up, beginning model year 10/2013

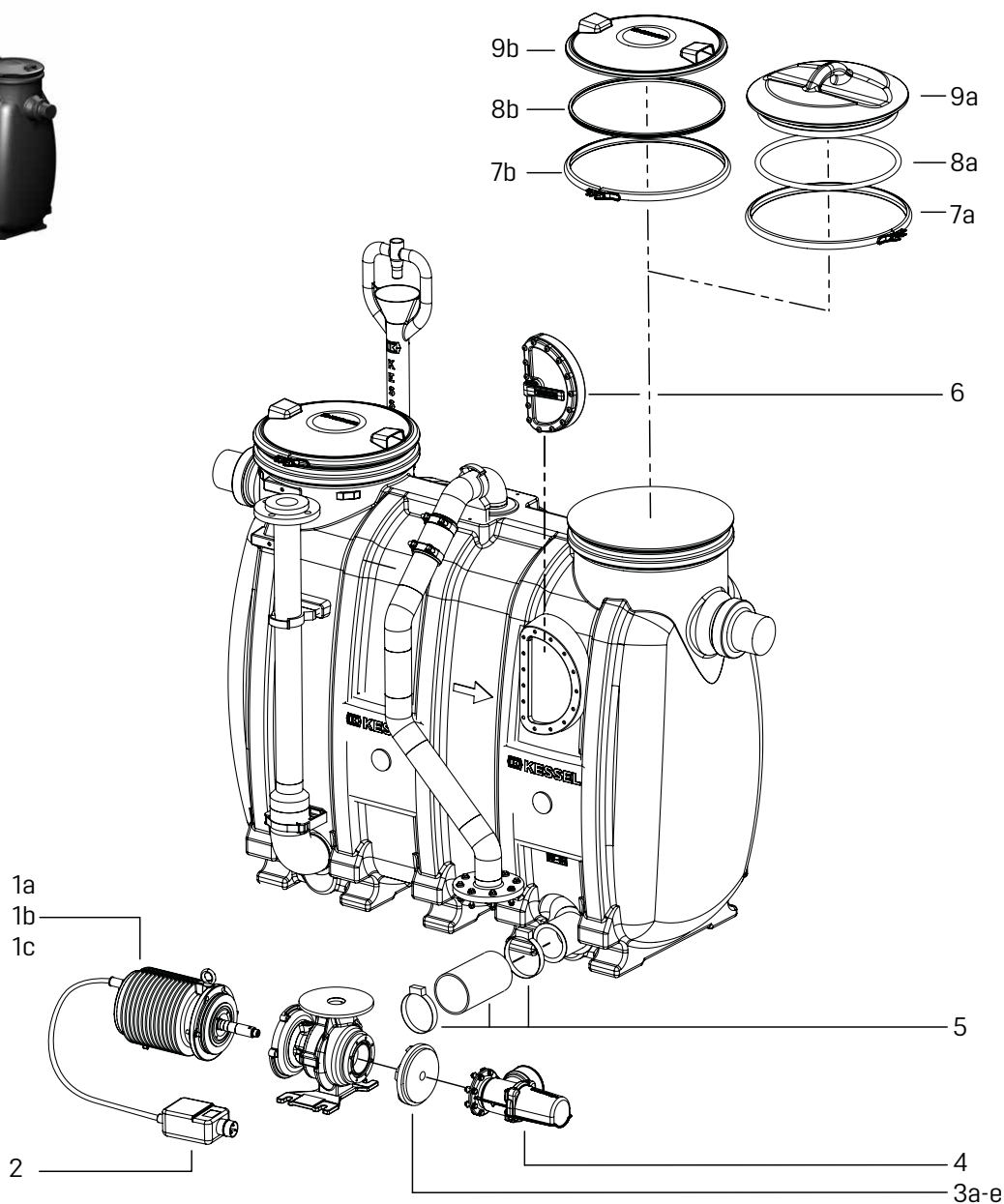


Item	Designation	Art. no.
1	Solenoid valve 1 inch (1 ea.)	85 047
2	Control unit Auto Mix, 4.0 kW	680 343
3	RemoteControl	916 601
4	Seal Ø 160 for inspection window	680 003
5	Inspection window for grease separator, <i>EasyClean</i> , with seal and screws	913 109
6	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555
7	Geared motor for SPF 300 KE, IP 55	680 916
8	Radial impeller with cutting plate and agitator for 3.0 kW	917 854
9	Cutting plate for 3.0 kW	917 855
10	Pump casing for SPF 300 KE	680 917
11	Replacement pump SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856
12	Shut-off valve Ø 110, polymer, horizontal	680 329
13	Hose clamp Ø 110	680 126
14	Connection hose Ø 110, L: 100 mm	680 434
15	Woven hose for NS 2/3/4	681 216

Item	Designation	Art. no.
16	Seal for inlet/outlet connection, Ø 200	680 128
17	Screw 10×3, A2	680 164
18	Inlet/outlet for grease separator	
18	Inlet NS 2 - 4	680 435
18b	Inlet NS 7 - 10	680 436
18c	Outlet NS 2	680 437
18d	Outlet NS 3	680 890
18e	Outlet NS 4	680 437
18f	Outlet NS 7	680 891
18g	Outlet NS 10	680 438
19	Inlet/outlet structure for grease separator NS 2 - 10	680 439
20	Clamp fastener for cover 420 mm, beginning model year 04/2004	917 004
21	Seal for cover Ø 420, beginning model year 04/2004	917 204
22	Cover Ø 420, beginning model year 04/2004	916 904

Grease separator Euro "D+S"

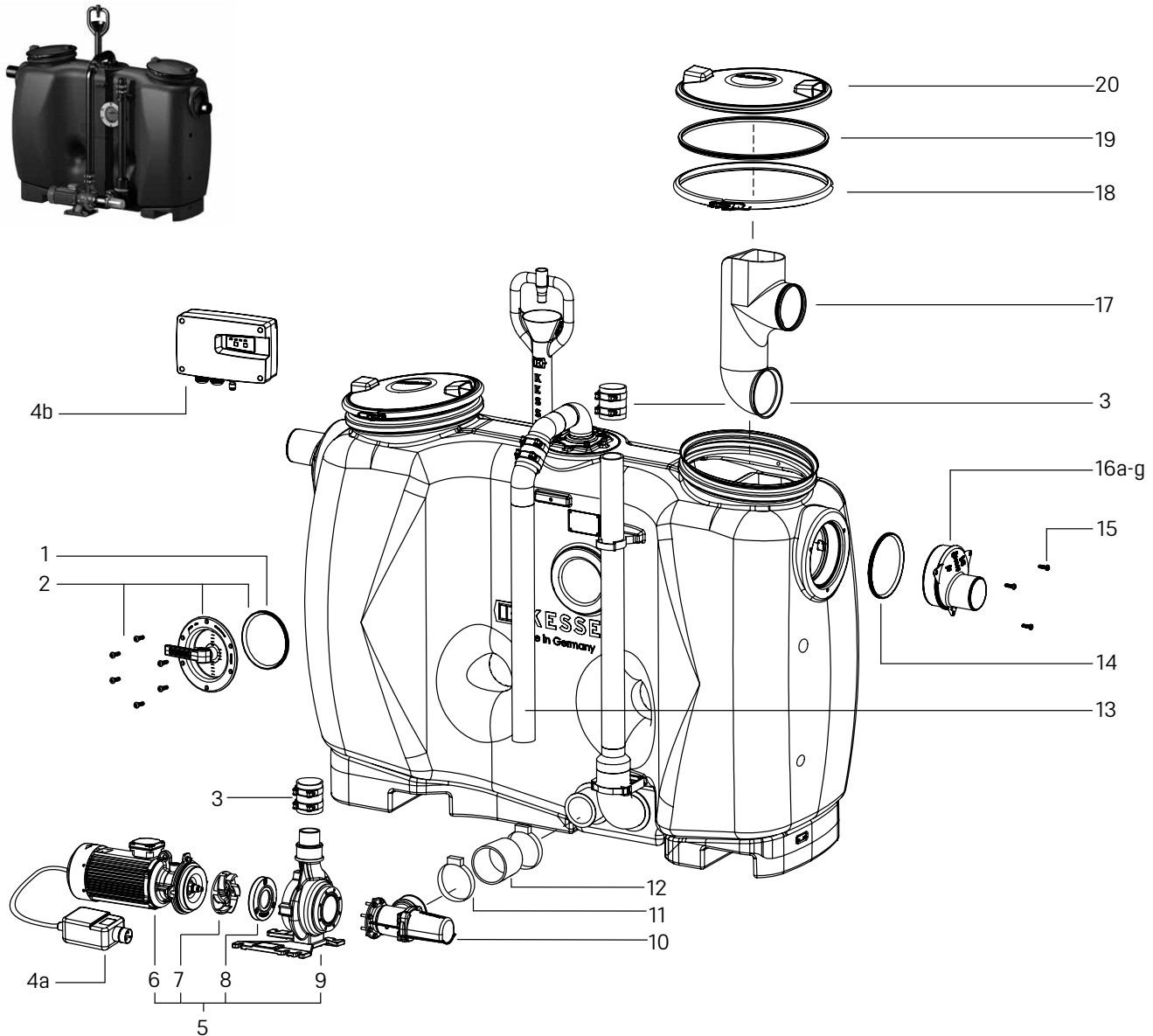
Free-standing set-up, up to model year 09/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Replacement pump		5	Flexible coupling Ø 110, for pressure pipes (hose with 2 clamps)	28 663
1a	SPF 260 KE, 2.6 kW	680 330	6	Inspection window for Euro grease separator	680 589
1b	SPF 400 KE, 4.0 kW	680 331	7	Clamp fastener	
1c	SPF 300 KE 2.0 homogeniser, 3.0 kW	917 856	7a	for cover Ø 420, up to model year 03/2004	680 325
2	CEE motor protection plug for 4 - 6.3 A	680 328	7b	for cover Ø 420, beginning model year 04/2004	917 004
3a	Radial impeller with cutting plate and agitator for 2.6 kW	917 850	8	Seal	
3b	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	8a	for cover Ø 420, up to model year 03/2004	680 217
3c	Radial impeller with cutting plate and agitator for 4.0 kW	917 851	8b	for cover Ø 420, beginning model year 04/2004	917 204
3d	Cutting plate for 2.6/4.0 and 5.5 kW	917 853	9	Cover	
3e	Cutting plate for 3.0 kW	917 855	9a	Ø 420, up to model year 03/2004	680 326
4	Shut-off valve Ø 110, polymer, horizontal	28 683	9b	Ø 420, beginning model year 04/2004	916 904

Grease separator *EasyClean* free Mix

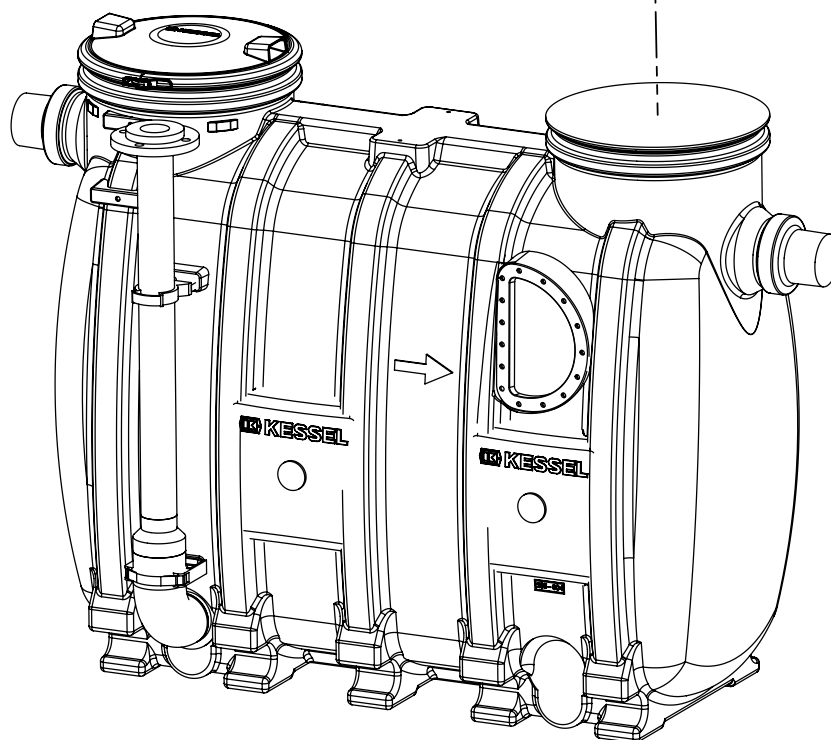
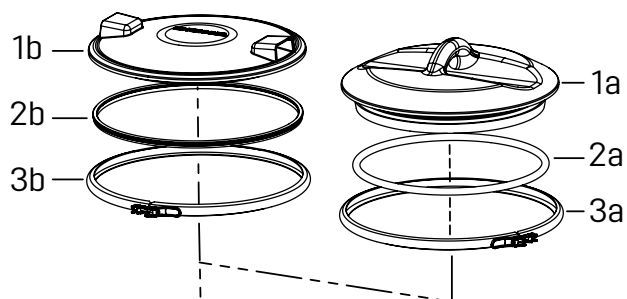
Free-standing set-up, beginning model year 10/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Seal Ø 160 for inspection window	680 003	14	Seal for inlet/outlet connection, Ø 200	680 128
2	Inspection window for grease separator, <i>EasyClean</i> , with seal and screws	913 109	15	Screw 10×3, A2	680 164
3	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555	16	Inlet/outlet for grease separator	
4a	CEE motor protection plug for 4 – 6.3 A, up to model year 04/2024	680 328	16a	Inlet NS 2 – 4	680 435
4b	Control unit 400V, beginning model year 05/2024	681 095	16b	Inlet NS 7 – 10	680 436
5	Replacement pump SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856	16c	Outlet NS 2	680 437
6	Geared motor for SPF 300 KE, IP 55	680 916	16d	Outlet NS 3	680 890
7	Radial impeller with cutting plate and agitator for 3.0 kW	917 854	16e	Outlet NS 4	680 437
8	Cutting plate for 3.0 kW	917 855	16f	Outlet NS 7	680 891
9	Pump casing for SPF 300 KE	680 917	16g	Outlet NS 10	680 438
10	Shut-off valve Ø 110, polymer, horizontal	680 329	17	Inlet/outlet structure for grease separator NS 2 – 10	680 439
11	Hose clamp Ø 110	680 126	18	Clamp fastener for cover 420 mm, beginning model year 04/2004	917 004
12	Connection hose Ø 110, L: 100 mm	680 434	19	Seal for cover Ø 420, beginning model year 04/2004	917 204
13	Woven hose for NS 2/3/4	681 216	20	Cover Ø 420, beginning model year 04/2004	916 904

Grease separator Euro D and G

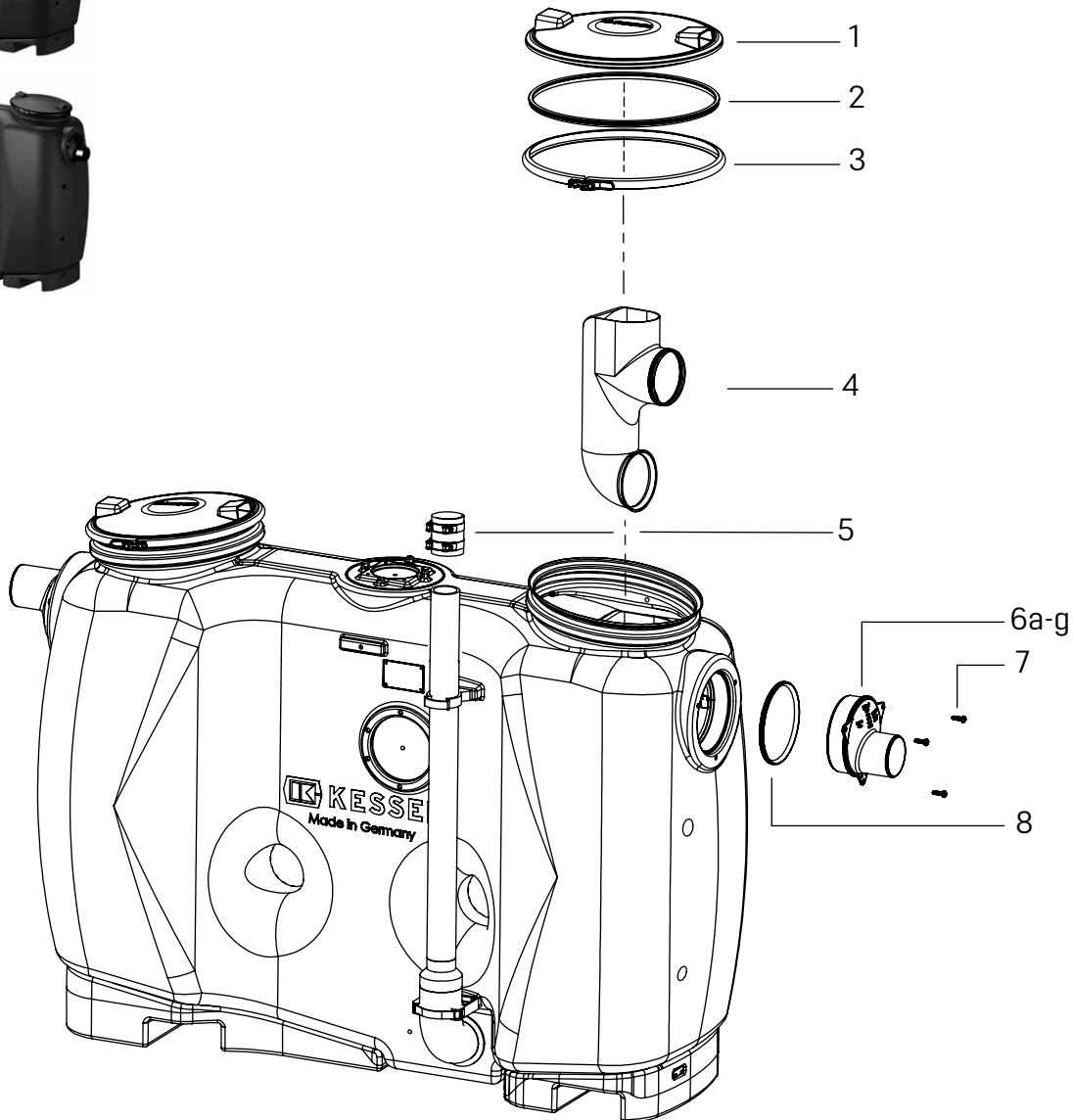
Free-standing set-up, up to model year 09/2013



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover		2b	for cover Ø 420, beginning model year 04/2004	917 204
1a	Ø 420, up to model year 03/2004	680 326	3	Clamp fastener	
1b	Ø 420, beginning model year 04/2004	916 904	3a	for cover Ø 420, up to model year 03/2004	680 325
2	Seal		3b	for cover Ø 420, beginning model year 04/2004	917 004
2a	for cover Ø 420, up to model year 03/2004	680 217			

Grease separator *EasyClean* free Direct and Standard

Free-standing set-up, beginning model year 10/2013

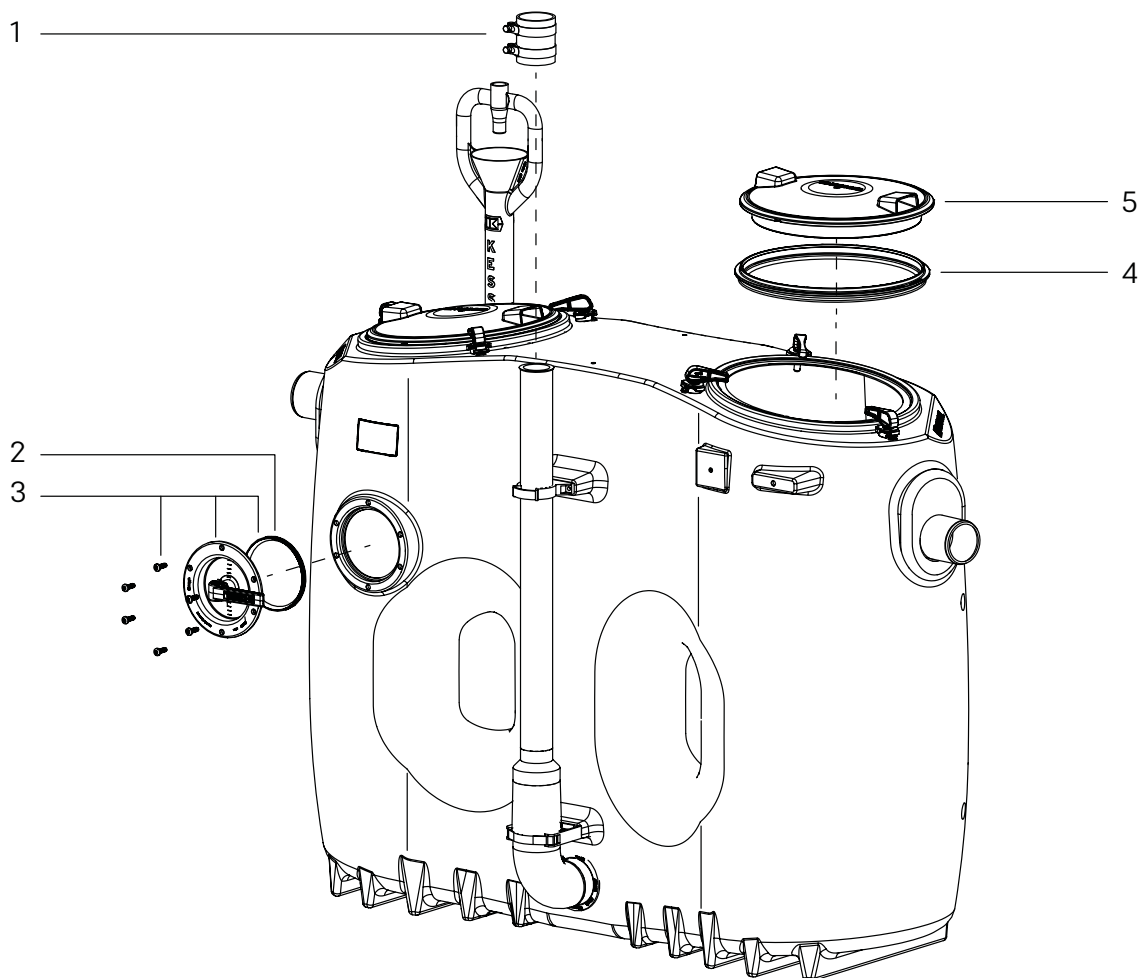


Item	Designation	Art. no.
1	Cover Ø 420, beginning model year 04/2004	916 904
2	Seal for cover Ø 420, beginning model year 04/2004	917 204
3	Clamp fastener for cover 420 mm, beginning model year 04/2004	917 004
4	Inlet/outlet structure for grease separator NS 2 - 10	680 439
5	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555
6	Inlet/outlet for grease separator	
6a	Inlet NS 2 - 4	680 435
6b	Inlet NS 7 - 10	680 436

Item	Designation	Art. no.
6c	Outlet NS 2	680 437
6d	Outlet NS 3	680 890
6e	Outlet NS 4	680 437
6f	Outlet NS 7	680 891
6g	Outlet NS 10	680 438
7	Screw 10×3, A2	680 164
8	Seal for inlet/outlet connection, Ø 200	680 128

Grease separator *EasyClean* free Basic

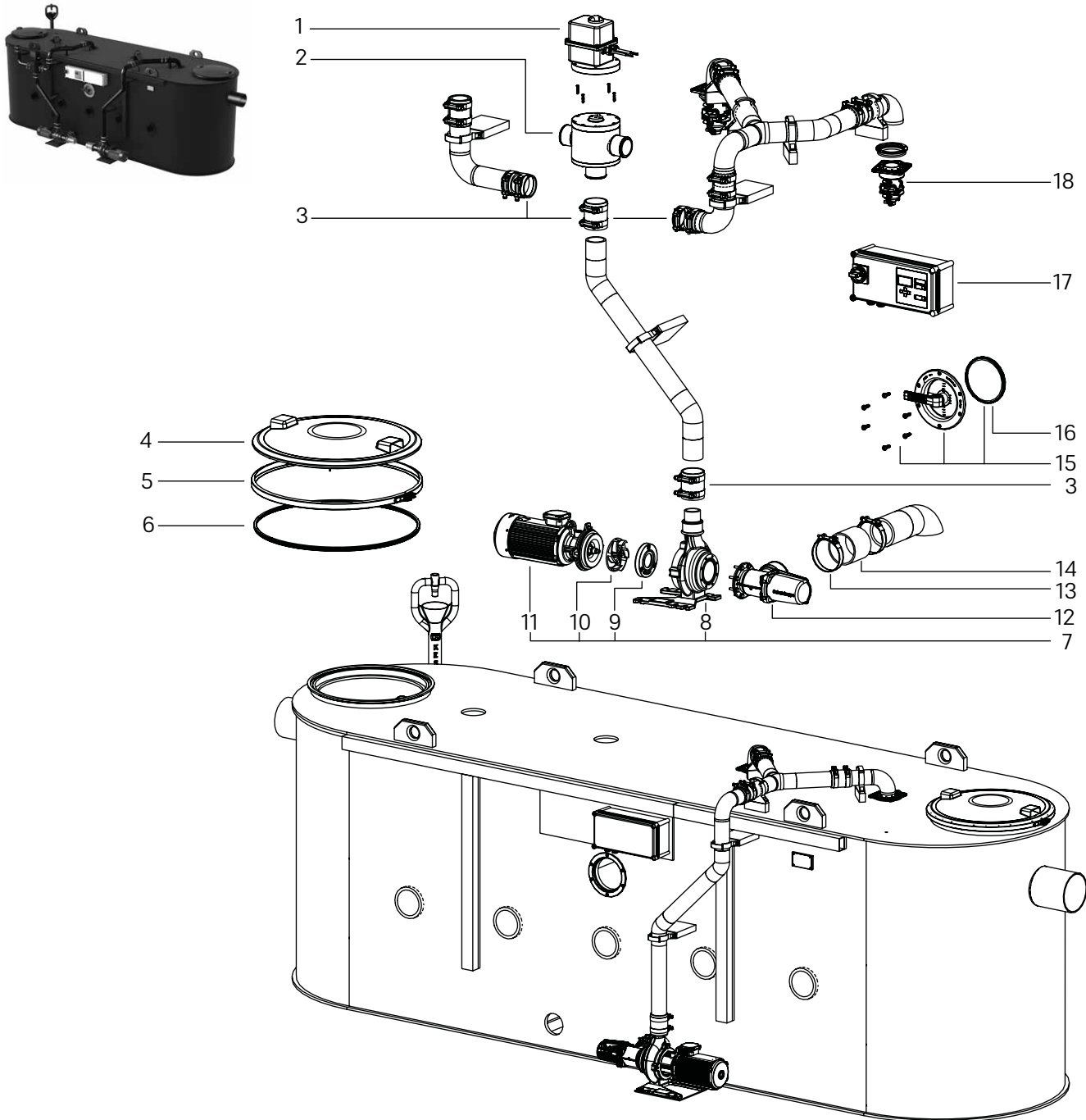
Free-standing set-up, beginning model year 10/2019



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555	4	Seal for <i>EasyClean</i> free Basic	680 950
2	Seal Ø 160 for inspection window	680 003	5	Cover Ø 420	916 904
3	Inspection window for grease separator, <i>EasyClean</i> , with seal and screws	913 109			

Grease separator *EasyClean* free Auto Mix & Pump NS 15-50

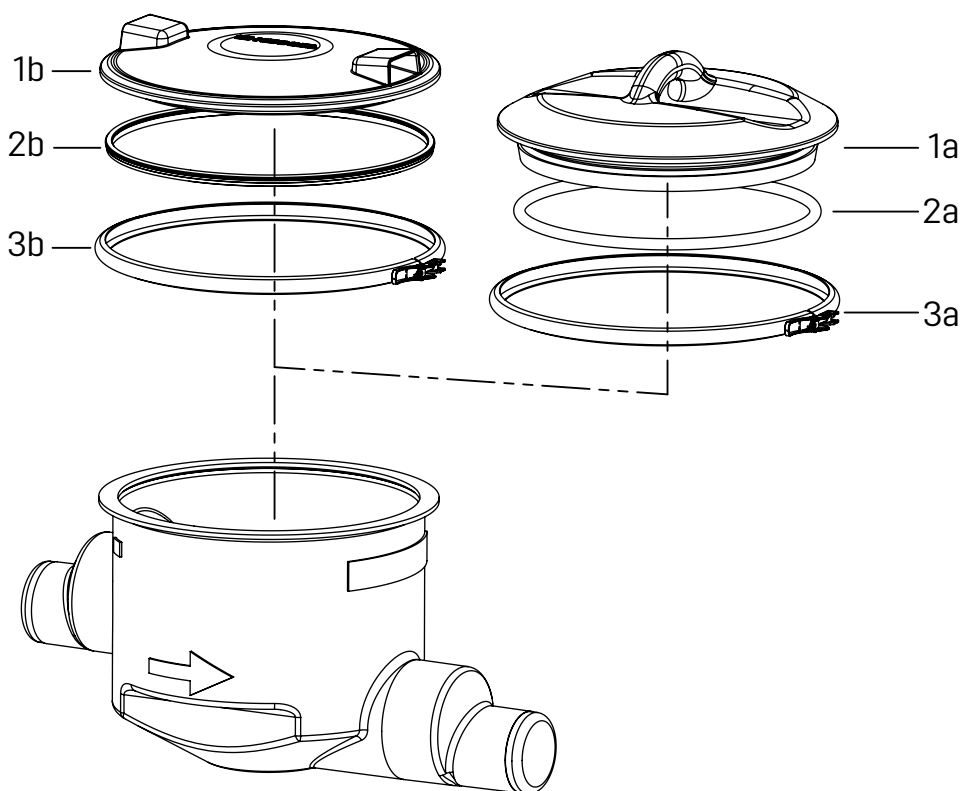
Free-standing set-up



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Servo motor	680 832	10	Radial impeller with cutting plate and agitator for 3.0 kW	917 854
2	2-way valve, redistributor	680 275	11	Geared motor for SPF 300 KE, IP 55	680 916
3	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555	12	Shut-off valve Ø 110, polymer, horizontal	680 329
4	Cover Ø 420, beginning model year 04/2004	916 901	13	Hose clamp Ø 110	680 126
5	Seal for cover Ø 420, beginning model year 04/2004	917 001	14	Connection hose Ø 110, L: 100 mm	680 434
6	Clamp fastener for cover 420 mm, beginning model year 04/2004	917 201	15	Inspection window for grease separator <i>EasyClean</i> , with seal and screws	913 109
7	Replacement pump SPF 300 KE 2.0, homogeniser, 3.0 kW	917 856	16	Seal Ø 160 for inspection window	680 003
8	Pump casing for SPF 300 KE	680 917	17	Control unit Auto Mix & Pump 2.6, 3.0 and 4.0 kW	680 342
9	Cutting plate 3.0 kW	917 855	18	Screw-on cleaning nozzle, incl. screws	681 098

Sampling chamber Ø 400 and Ø 450

Free-standing set-up

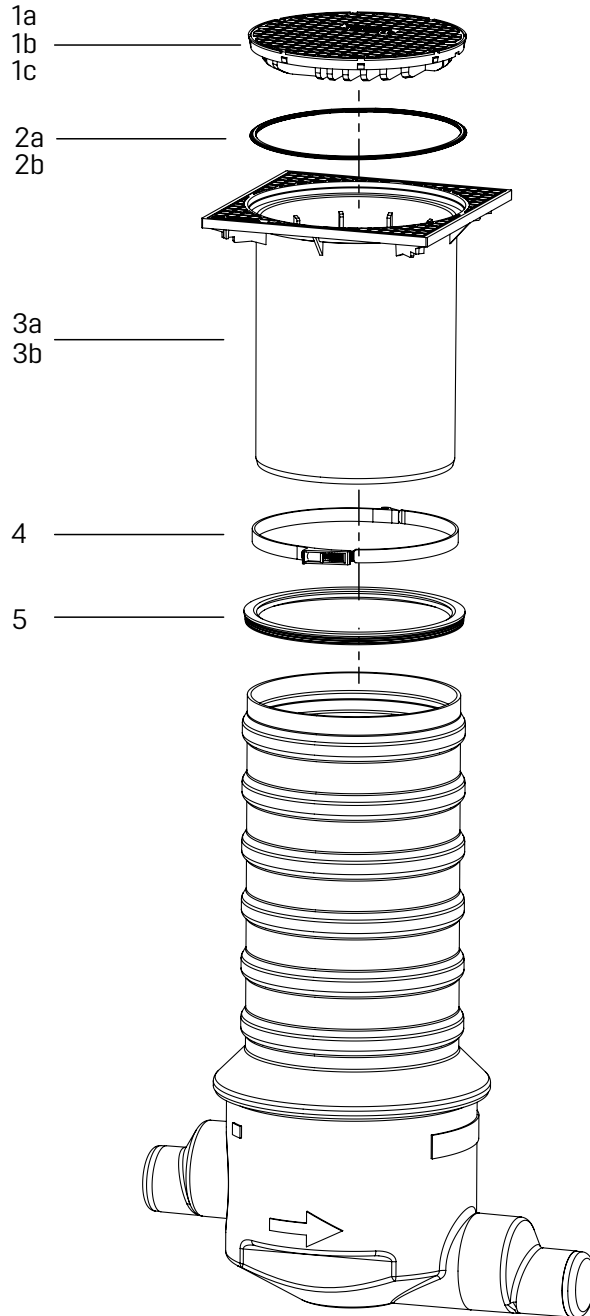


Item	Designation	Art. no.
1	Cover	
1a	Ø 420, up to model year 03/2004	680 326
1b	Ø 420, beginning model year 04/2004	916 904
2	Seal	
2a	for cover Ø 420, up to model year 03/2004	680 217

Item	Designation	Art. no.
2b	for cover Ø 420, beginning model year 04/2004	917 204
3	Clamp fastener	
3a	for cover Ø 420, up to model year 03/2004	680 325
3b	for cover Ø 420, beginning model year 04/2004	917 004

Sampling chamber Ø 400 and Ø 450

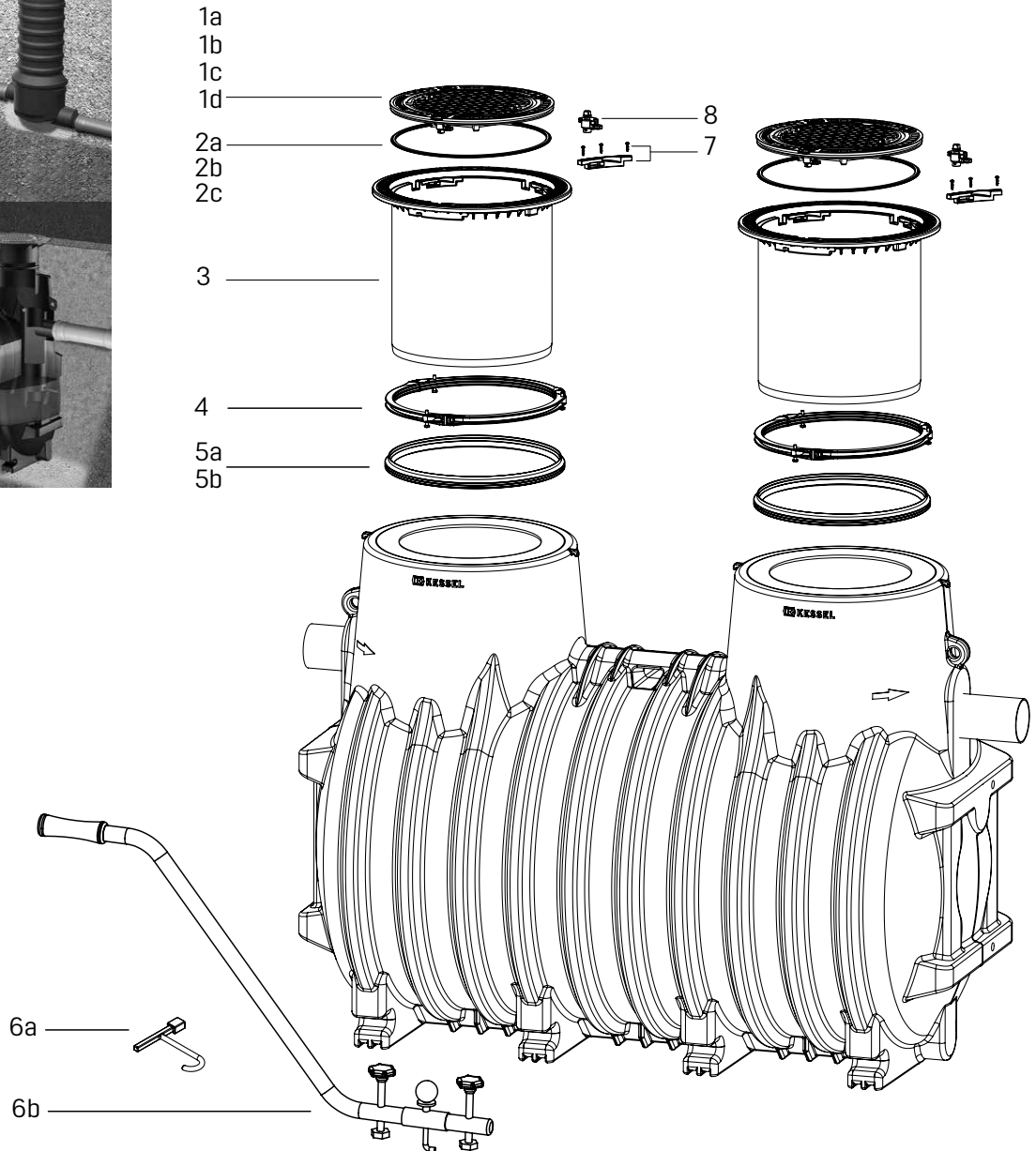
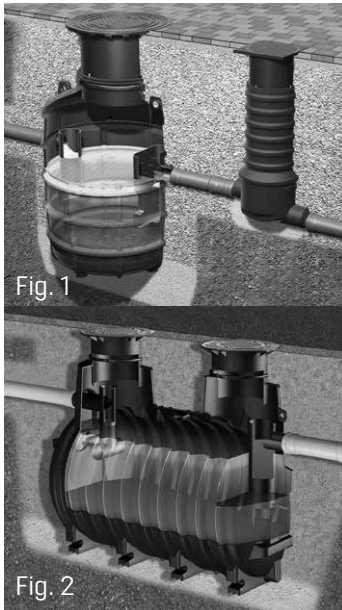
For underground installation



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate		2b	for class D	680 316
1a	class A, with seal	680 312	3	Upper section	
1b	class B, with seal	680 553	3a	for class A and B, height adjustable	850 120
1c	class D, grey cast iron	680 313	3b	for class D, height adjustable	850 121
2	Seal for cover plate		4	Clamping ring for chamber system Ø 400	680 314
2a	for class A and B	680 058	5	Seal for chamber system Ø 400	680 315

Grease separator *EasyClean* ground Standard NS 1 - 35

For underground installation

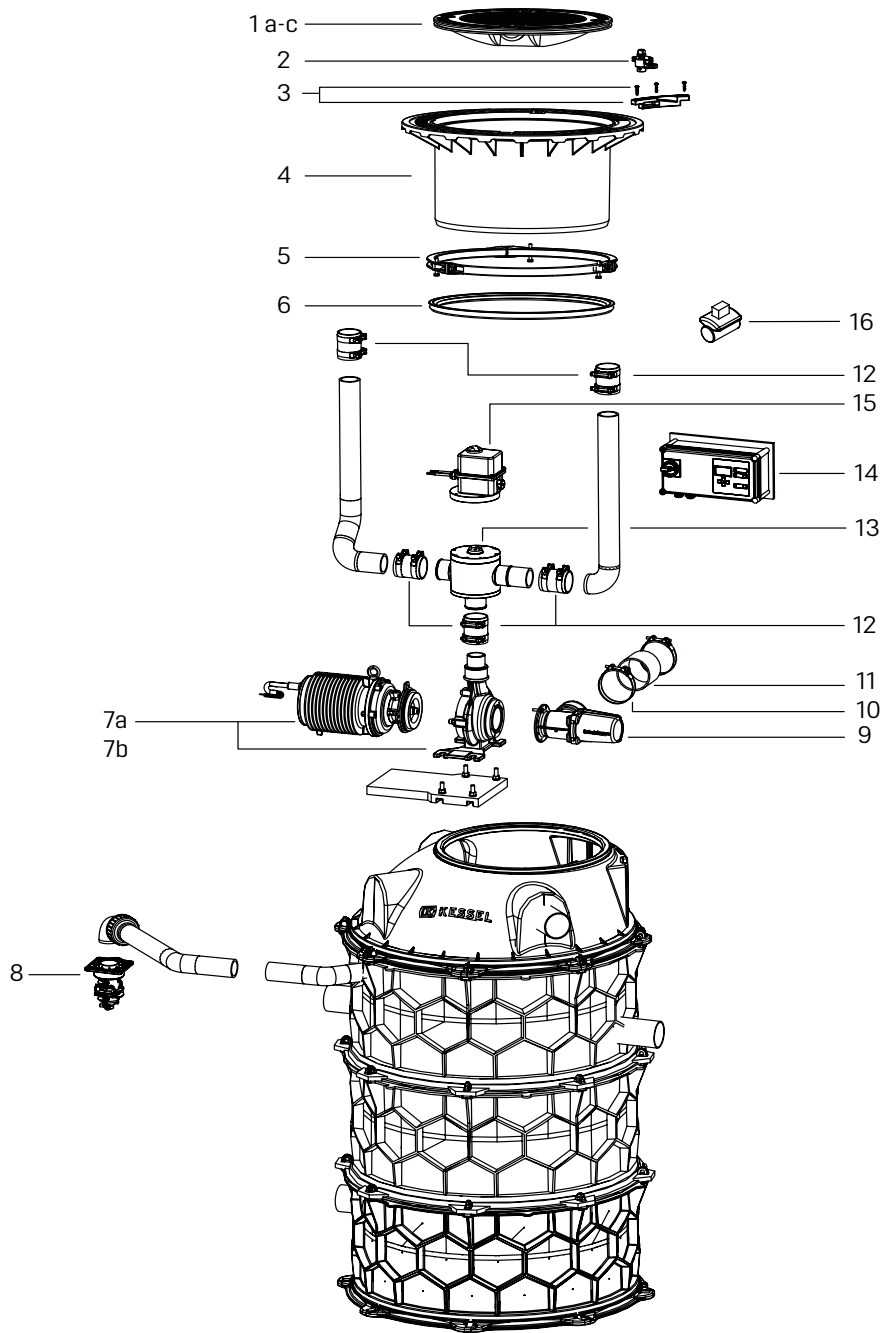


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate made of grey cast iron *		4	Clamping ring for upper section Ø 600	680 276
1a	class A/B, surface water resistant	860 119	5	Seal	
1b	class D	916 803	5a	for chamber system (Fig. 1) current version up to NS 4:	860 116
1b	Cover plate LW 600, <i>Lock&Lift</i> , class B, beginning model year 11/2022	681 102	5b	for cistern (Figure 2) NS 7 - 35, up to model year 12/2014	
1b	Cover plate LW 600, <i>Lock&Lift</i> , class D, beginning model year 11/2022	681 104	5b	Ø 630 mm, for cistern (Fig. 2) NS 7 - 35, beginning model year 01/2015	860 104
2	Seal *		6a	Removal key for cover plates	680 278
2a	for screwed cover, up to model year 2003	917 101	6b	Lifting tool, Goliath, for chamber cover plates	917 112
2b	for cover Ø 625 mm, beginning model year 2004	917 201	7	Insert for <i>Lock&Lift</i> including three screws for upper section LW 600	681 032
2c	for lockable cover, beginning model year 2010	680 323	8	Turn fastener for upper section LW 600 incl. square screw and three screws	681 033
3	Upper section Ø 630, surface water resistant	860 152			

* Upper section up to model year 10/2022 not compatible with *Lock&Lift* covers.
Upper section beginning model year 10/2022 compatible with and without *Lock&Lift* covers.

Grease separator *EasyClean* ground Auto Mix & Pump

For underground installation, in the Engineering chamber system



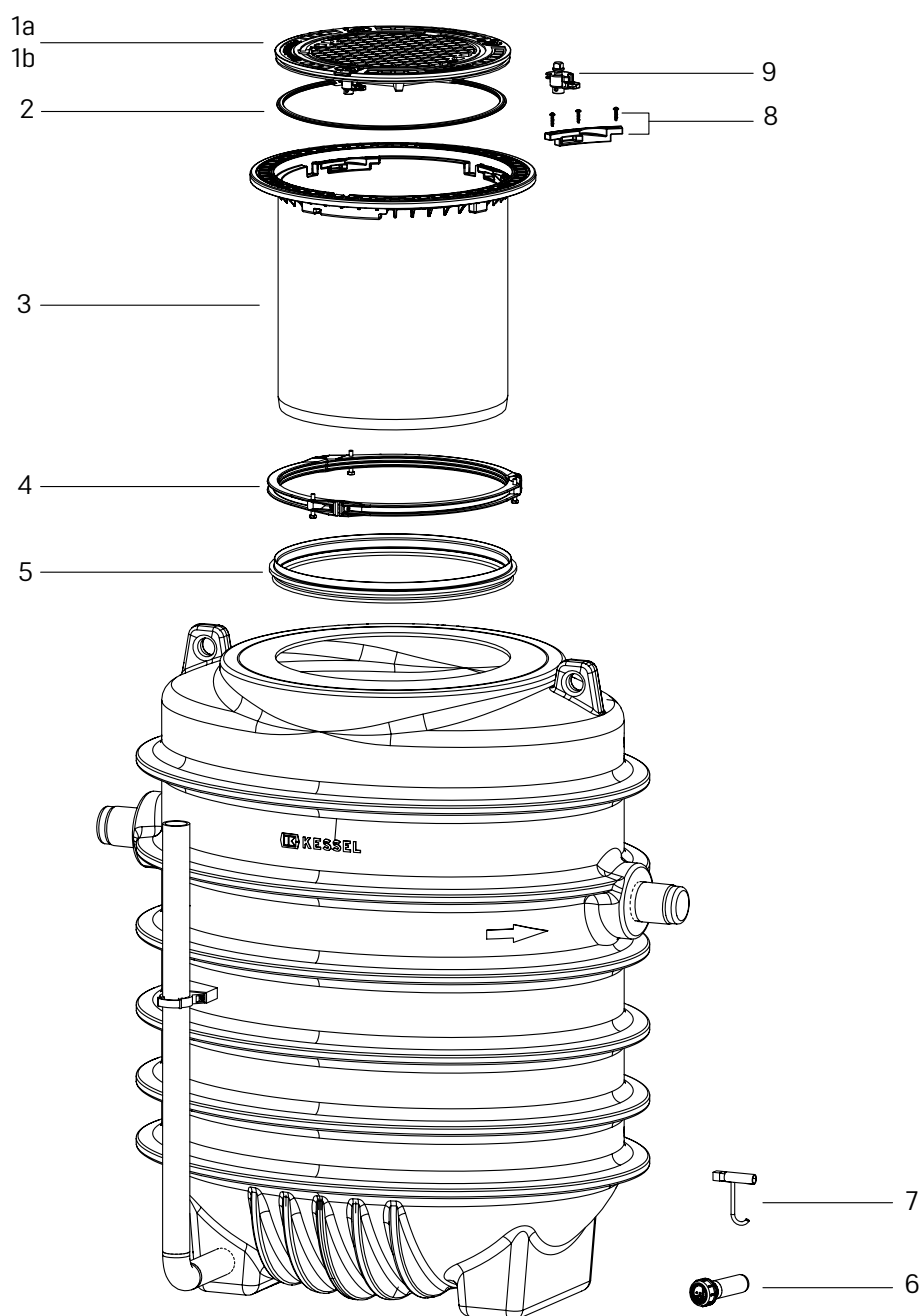
Item	Designation	Art. no.
1	Cover plate*	
1a	class B, made of grey cast iron	860 118
1b	class D, made of grey cast iron, locked, up to model year 10/2022	860 136
1c	class D, made of grey cast iron, <i>Lock & Lift</i> , beginning 11/2022	
2	Turn fastener for upper section LW 600, violet Polymer	681 033
3	Insert for <i>Lock&Lift</i> including three screws for upper section LW 600	681 032
4	Upper section Ø 600 mm, beginning model year 11/2022*	860 153
5	Clamping ring for upper sections Ø 600 mm	680 276
6	Seal for chamber module, Ø 600 mm	680 374
7	Replacement pump SPF 300 KE Homogeniser 3.6 kW, IP 68	680 931

Item	Designation	Art. no.
8	Screw-on cleaning nozzle, incl. screws	681 098
9	Shut-off valve Ø 110, polymer, horizontal	680 329
10	Hose clamp Ø 110	680 126
11	Connection hose Ø 110, L: 100 mm	680 434
12	Connection hose with hose clamps, Ø 75, L: 100 mm	680 555
13	2-way valve, redistributor	680 275
14	Control unit Auto Mix & Pump 2.6, 3.0 and 4.0 kW	680 342
15	Servo motor	680 832
16	Solenoid valve 1 inch (1 ea.)	85 047

* Upper section up to model year 10/2022 not compatible with *Lock&Lift* covers. Upper section beginning model year 10/2022 compatible with and without *Lock&Lift* covers.

Grease separator *EasyClean* ground Oval

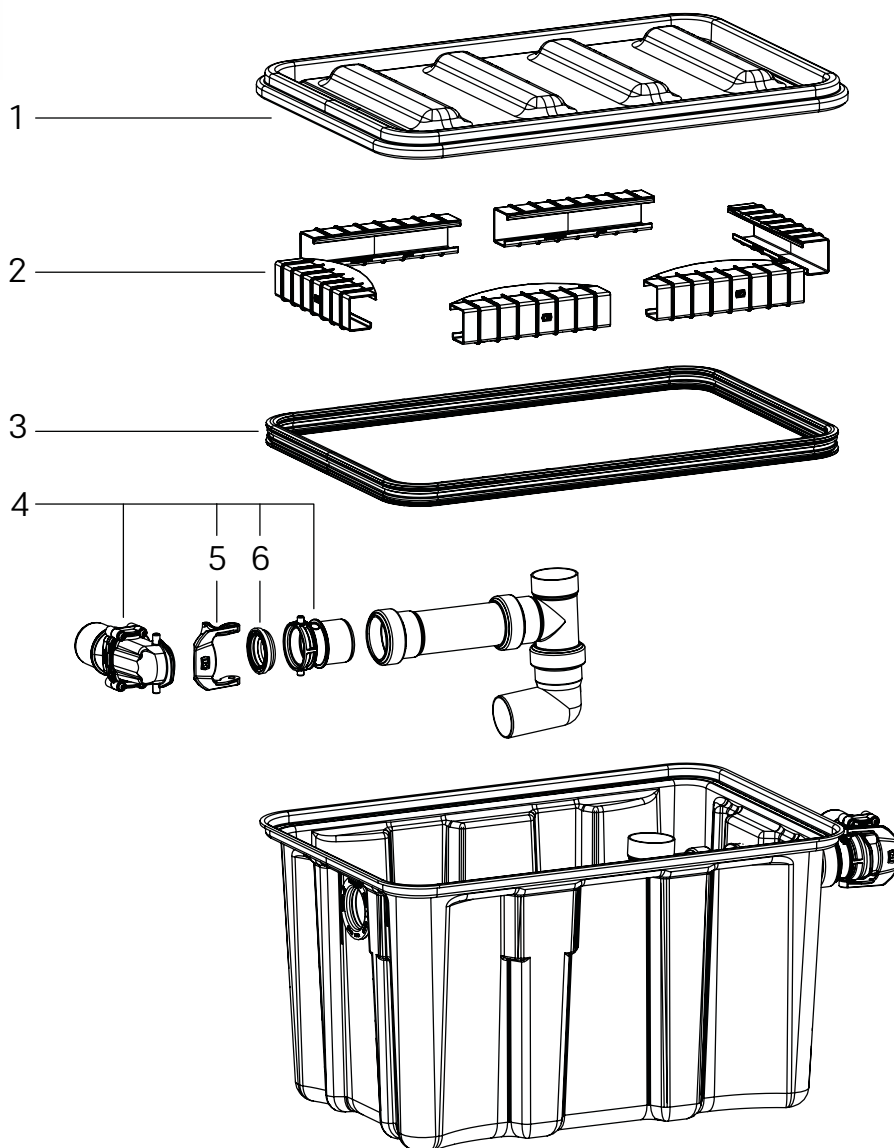
For underground installation



Item	Designation	Art. no.	Item	Designation	Art. no.
1a	Cover plate LW 600, <i>Lock&Lift</i> , class B, separator	681 102	5	Gasket 630 mm, for rotated tank NS 7 – 35, beginning model year 01/2015	860 104
1b	Cover plate LW 600 <i>Lock&Lift</i> , class D, separator	681 104	6	SonicControl cable gland Underground separator installation set	917 823
2	Seal for cover plate, locked	680 323	7	Removal key for cover plates	680 278
3	Upper section LW 600, resistant to surface water	860 152	8	Insert for <i>Lock&Lift</i> including three screws for upper section LW 600	681 032
4	Clamping ring for upper sections d: 600 mm	680 276	9	Turn fastener for upper section LW 600 including square screw and three screws	681 033

Grease separator *UnderSink*

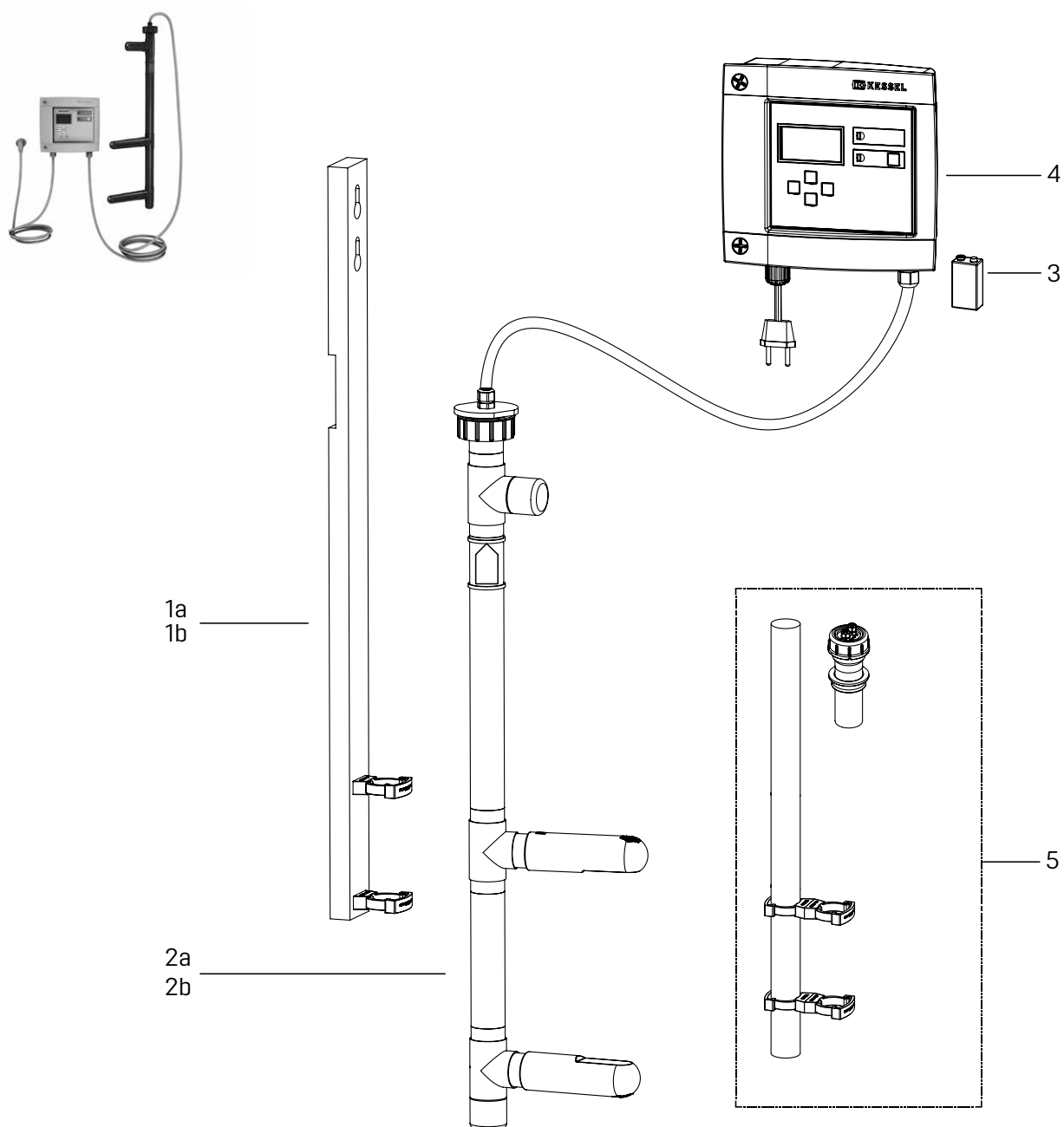
for free-standing installation



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover	681 217	4	Swivel connection with pipe connection DN 50	681 086
2	Clip closure violet (1 pc)	681 087	5	One-handed closure for backflow prevente	680 018
3	Profile seal UnderSink	681 088	6	Seal for pressure pipe connection	680 067

Grease layer thickness measuring device *SonicControl*

For installation in a grease separator



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Bracket, <i>SonicControl</i> grease separator		2b	beginning model year 10/2011 (sensor),	680 348
1a	with clips, up to model year 09/2011	917 837	3	Battery, 2x 9V6LR61	*
1b	with clips, beginning model year 10/2011	680 350	4	Control unit <i>SonicControl</i>	680 349
2	Layer thickness measuring device <i>SonicControl</i> for grease separator		5	Installation bracket for <i>SonicControl</i> in underground grease separators	917 823
2a	up to model year 09/2011 (sensor + control unit), 10 m cable, 230 V	917 821			

Oil/fuel and coalescence separator *EasyOil* ground

For underground installation



Fig. 1

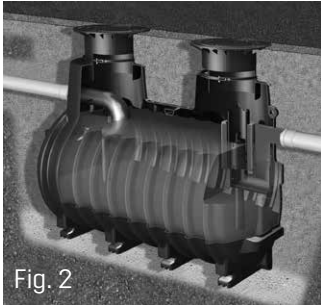
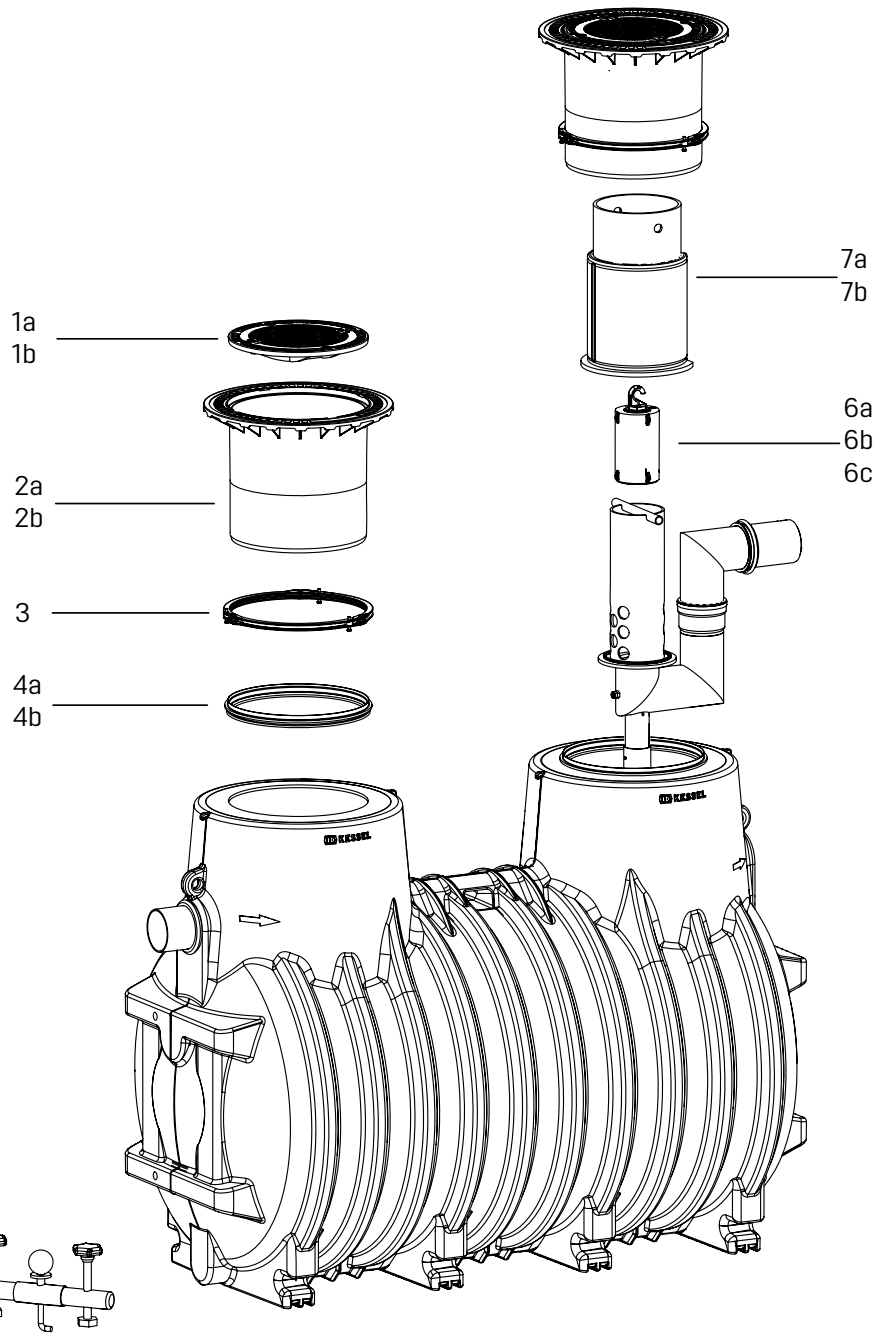


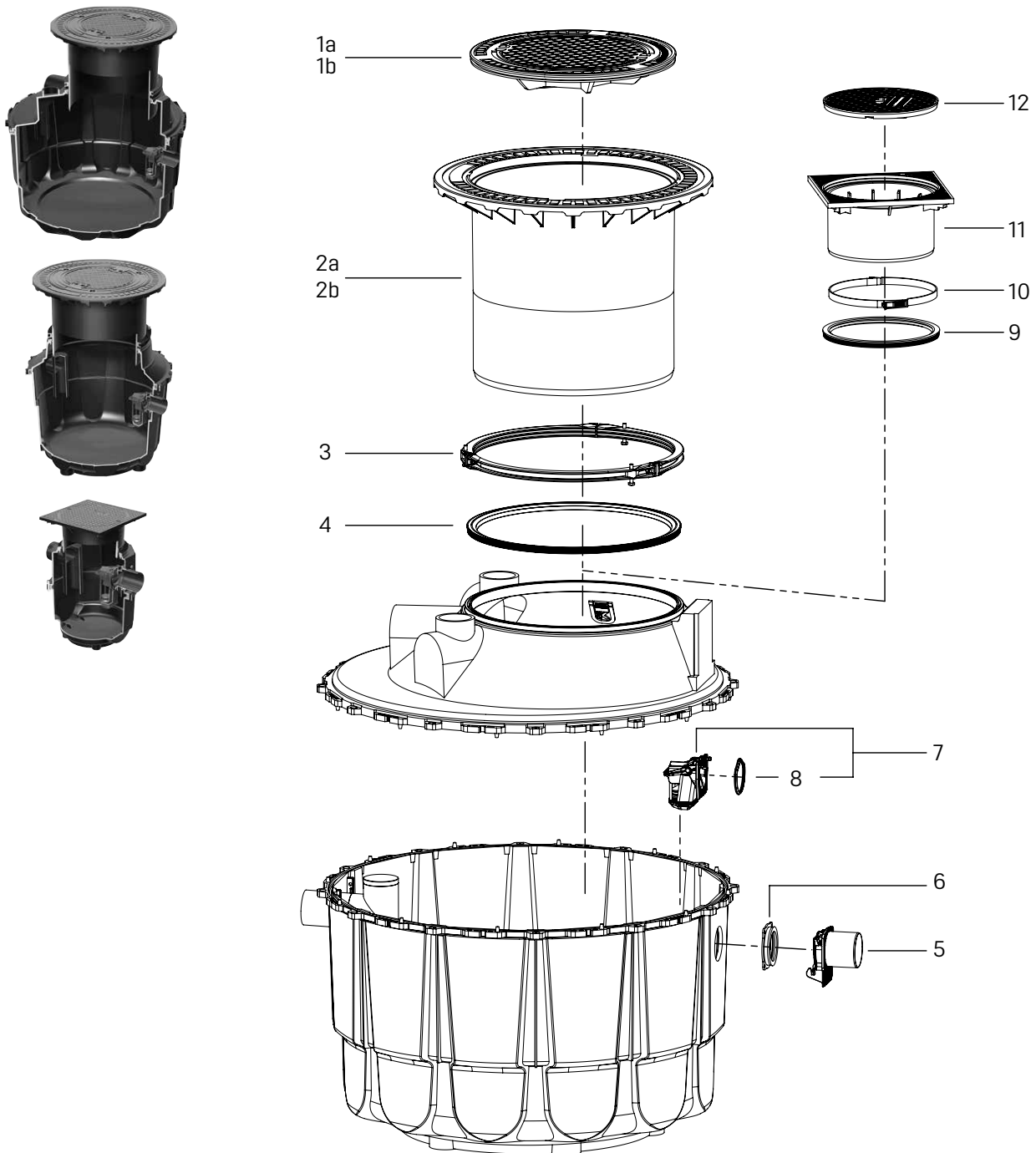
Fig. 2



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate made of grey cast iron		4b	Ø 630, for cistern (Figure 2) NS 7 - 35, beginning model year 01/2015	860 104
1a	class A/B, unlocked	680 321	5a	Lifting tool, Goliath, for chamber cover plates	917 112
1b	class D, unlocked	680 322	5b	Removal key for cover plates	680 278
2	Upper section LW 600		6	Floater	
2a	Polymer	860 152	6a	with density 0.97 g/cm ³	680 299
2b	Polymer, 50 mm Insertion depth	860 156	6b	with density 0.92 g/cm ³ (standard)	680 300
3	Clamping ring for upper section, Ø 600	680 276	6c	with density 0.87 g/cm ³	680 301
4	Lip seal		7	Coalescence filter	
4a	for chamber system (Figure 1) current version up to NS 4: for cistern (Figure 2) NS 7 - 35, up to model year 12/2014	860 116	7a	for cisterns (Figure 2)	917 805
			7b	for chambers (Figure 1)	917 816

Oil/fuel and coalescence separator *EasyOil* ground

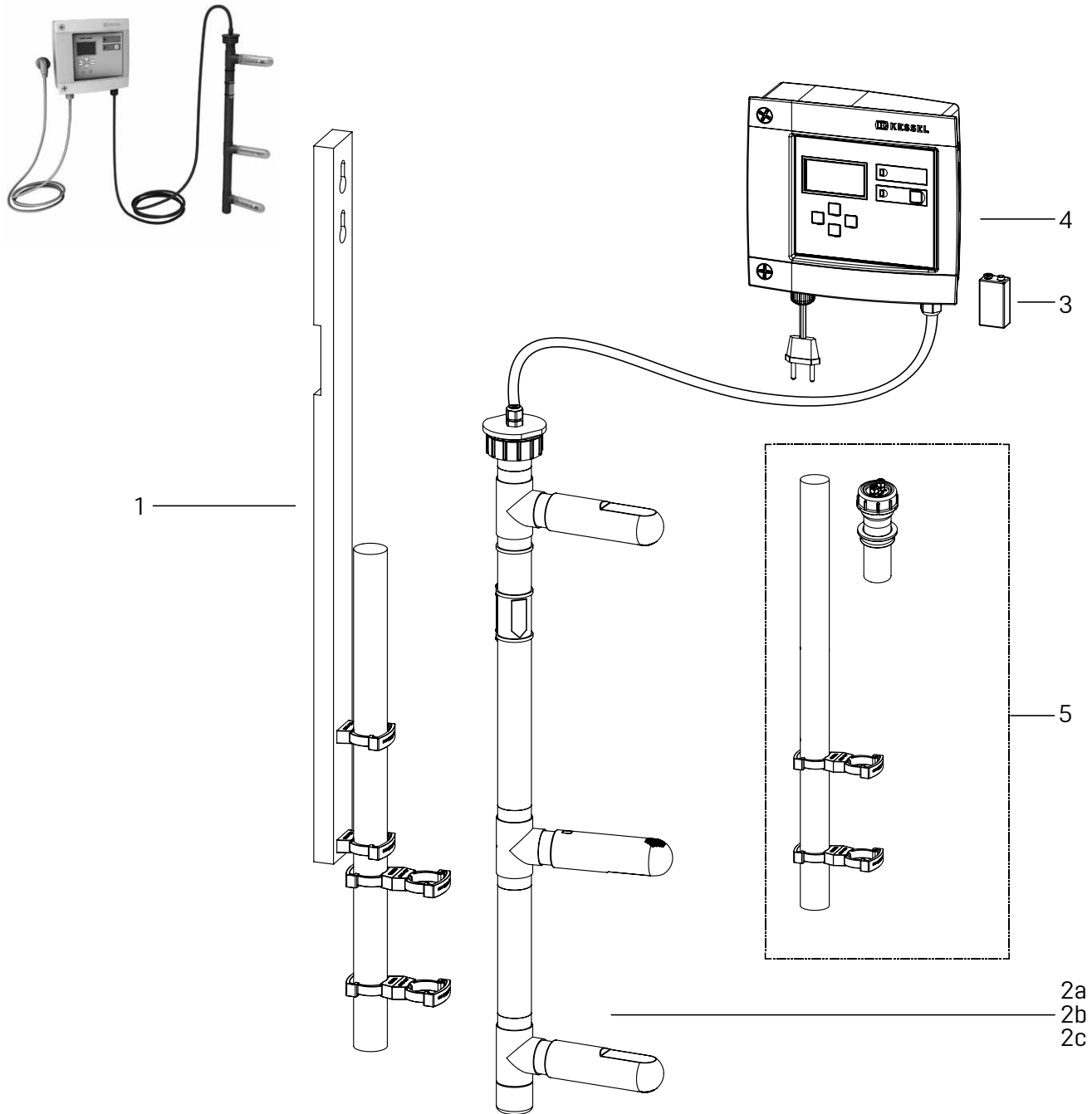
For underground installation



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Cover plate made of grey cast iron		5	Adapter plate with socket	680 334
1a	class A/B, unlocked	680 321	6	Seal for outlet connection	680 335
1b	class D with seal	916 803	7	Outlet structure for oil/fuel separator NS 1.5, incl. seal	680 333
2	Upper section LW 600		8	Lip seal Ø 117	680 280
2a	Polymer	860 152	9	Seal, oil resistant, Ø 468 mm	680 336
2b	Polymer, 50 mm Insertion depth	860 156	10	Clamping ring for upper section, for chamber system Ø 400	680 314
3	Clamping ring for upper section, Ø 600	680 276	11	Upper section for Ø 400, with clamping ring	680 311
4	Seal for upper section Ø 600	680 277	12	Cover plate, class B, grey cast iron, unlocked, Ø 400	680 317

Automatic measuring device *SonicControl*

For installation in a light liquid separator



Item	Designation	Art. no.
1	Bracket for <i>SonicControl</i> , incl. pipe, clips and installation and operating instructions	917 836
2	Sensor <i>SonicControl</i> for light liquid separator for measurement of:	
2a	OA (oil layer and backwater)	917 842
2b	O (oil layer)	917 844

Item	Designation	Art. no.
2c	A (backwater)	917 846
3	Battery, 2x 9V6LR61	*
4	Control unit <i>SonicControl</i> for light liquid separator	680 347
5	Cable passage <i>SonicControl</i> Set for light liquid separators	917 822

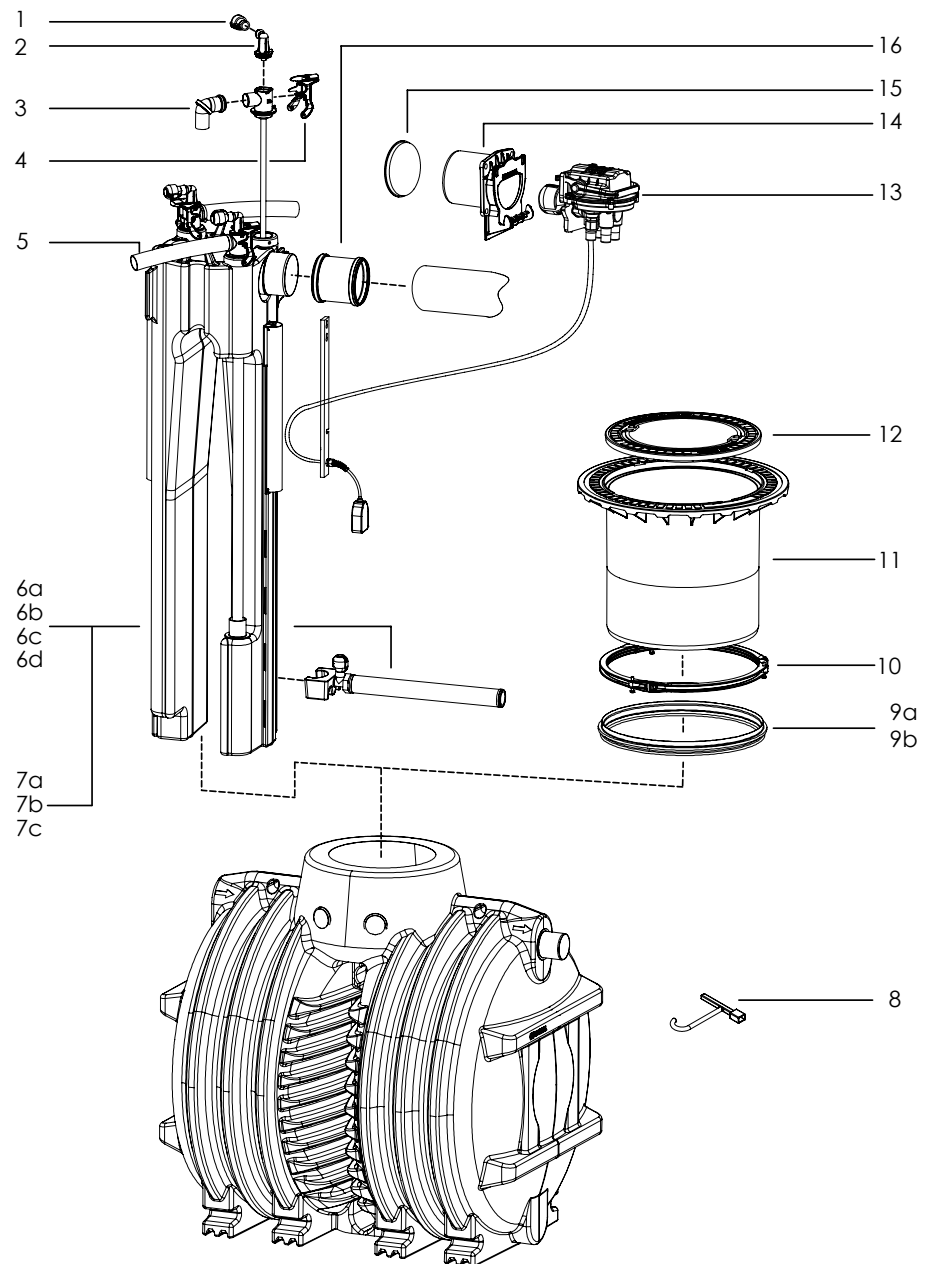
* Source locally

6. Septic systems

<i>InnoClean PLUS</i> , 2nd generation	162
<i>InnoClean</i> , 1st generation	164
Renovation/retrofit kit	166

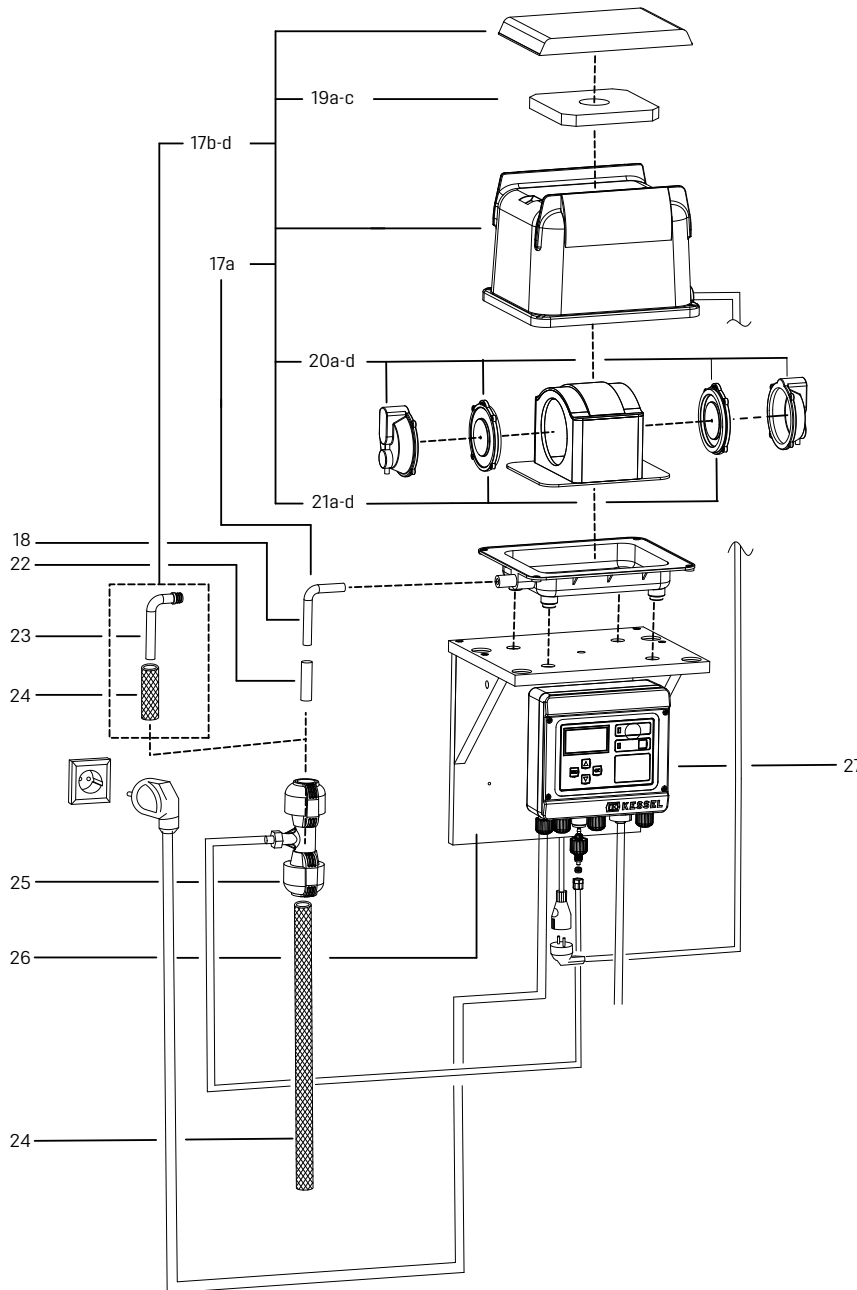
InnoClean PLUS, 2nd generation

Installation in the ground, beginning model year 2010



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Connector for <i>InnoClean PLUS</i>	680 567	7c	Length 1370 mm	680 564
2	Air connection bend for <i>InnoClean PLUS</i>	680 181	8	Removal key for <i>InnoClean PLUS</i> cover plate	680 278
3	HTK bend Ø 50	63 050	9	Lip seal	
4	Dual closure lever, <i>InnoClean PLUS</i>	680 139	9a	up to model year 12/2014	860 116
5	Spiral hose Ø 50 mm (bulk goods)	680 073	9b	beginning model year 01/2015	860 104
6	Aeration pipe for <i>InnoClean PLUS</i> with purification tower		10	Clamping ring, upper section Ø 600	680 276
6a	Length 620 mm	680 140	11	Upper section Ø 630, surface water resistant	*
6b	Length 820 mm	680 141	12	Cover plate A/B, grey cast iron, non-bolted	860 130
6c	Length 1170 mm	680 158	13	Valve block with float switch	680 161
6d	Length 1370 mm	680 160	14	Adapter plate with socket	680 334
7	Aeration pipe for <i>InnoClean PLUS</i> without purification tower (EW 18 - 50)		15	Temporary protective cover for adapter plate	680 213
7a	Length 820 mm	680 562	16	Slip-on sleeve Ø 160	680 166
7b	Length 1170 mm	680 563	17	Diaphragm compressor, complete	

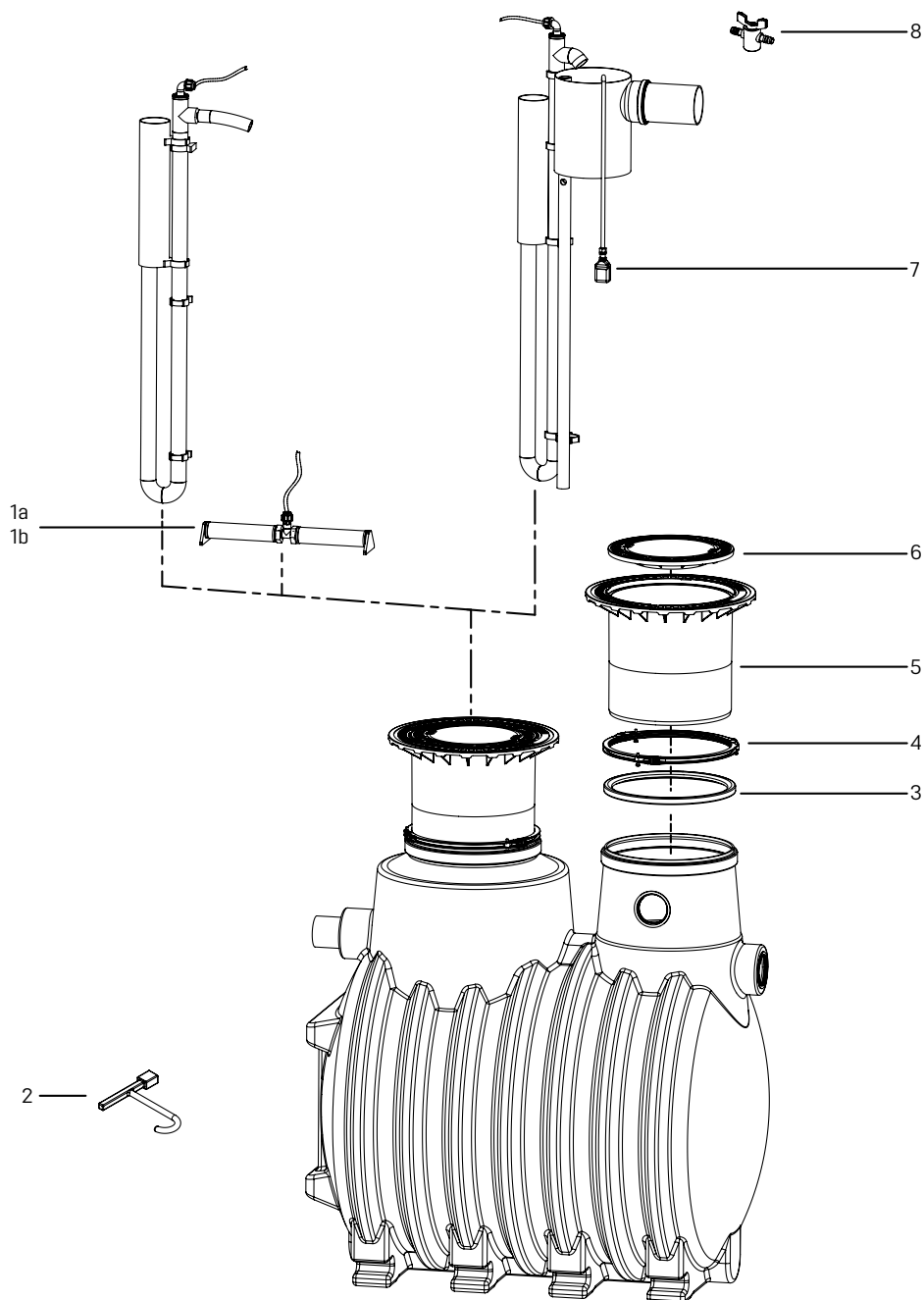
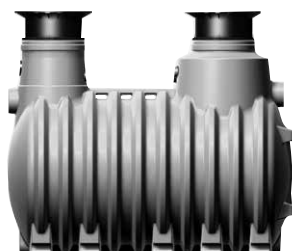
* no longer available



Item	Designation	Art. no.	Item	Designation	Art. no.
17a	JDK 100	680 469	20c	for compressor JDK 100 - 120	680 463
17b	JDK 150	680 471	20d	for compressor JDK 150 - 500	680 464
17c	JDK 200	680 472	21	Replacement diaphragms (1 pair)	
17d	JDK 250	680 473	21a	for EL-100 (1 pair), EL-150 and 200 (2 pairs)	680 177
18	Connector for diaphragm compressor	680 634	21b	for EL-120 (1 pair), EL-250 (2 pairs)	680 178
19	Filter mat (1 ea.) for diaphragm compressor		21c	for JDK 60 - 120	680 465
19a	for EL-100 and 120 (1 ea.), for EL-150, 200 and 250 (2 ea.)	97 719	21d	for JDK 150 - 500	680 466
19b	for JDK 60 - 120	680 461	22	Supporting sleeve	97 742
19c	for JDK 150 - 500	680 462	23	PP bend 90° 3/4" × 20 (for Item 17 b, c, d only)	680 566
20	Maintenance set (1 set consists of: 2× diaphragm, 2× valve, 1× filter element)		24	Air hose 19 × 25 mm (15 m)	97 738
20a	for compressor EL-120 (1 set), EL-250 (2 sets)	680 180	25	Connector for pressure monitoring system, <i>InnoClean</i> PLUS	97 743
20b	for compressor EL-100 (1 set), EL-150 and 200 (2 sets)	680 179	26	Wall mounting bracket for <i>InnoClean</i>	680 467
			27	Control unit <i>InnoClean</i>	97 727

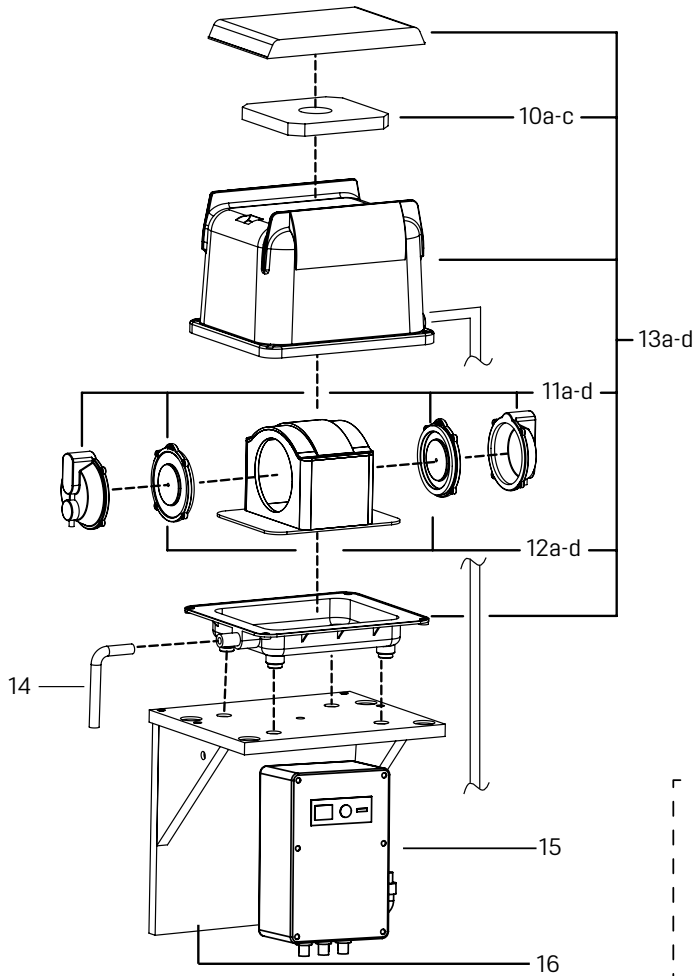
InnoClean, 1st generation

Installation in the ground, up to model year 2009

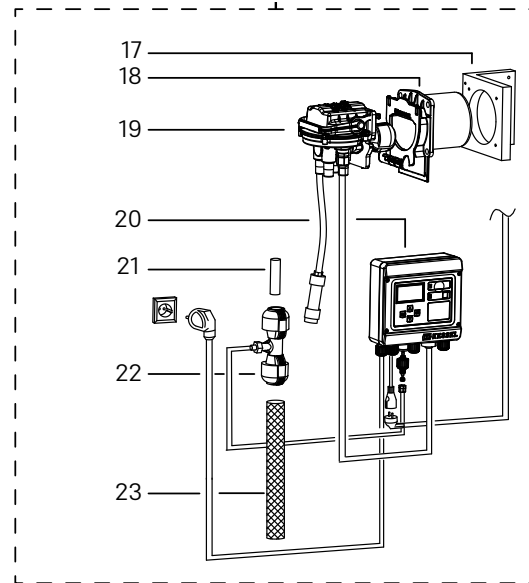


Item	Designation	Art. no.	Item	Designation	Art. no.
1	Aeration pipe		9	Filter mat (1 ea.)	
1a	Length: 700 mm	680 188	9a	for EL-100 and 120 (1 ea.), for EL-150, 200 and 250 (2 ea.)	97 719
1b	Length: 1100 mm	680 189	9b	for JDK 60 - 120	680 461
2	Removal key for <i>InnoClean PLUS</i> cover plate	680 278	9c	for JDK 150 - 500	680 462
3	Lip seal up to model year 12/2014	860 116	10	Maintenance set (1 set consists of: 2× diaphragm, 2× valve, filter element)	
4	Clamping ring, upper section Ø 600	680 276	10a	for compressor EL-100 (1 set), EL-150 and 200 (2 sets)	680 179
5	Upper section Ø 630, surface water resistant	*	10b	for compressor EL-120 (1 set), EL-250 (2 sets)	680 180
6	Cover plate class A/B, grey cast iron, unbolted	860 130	10c	for compressor JDK 100 - 120	680 463
7	Float switch, 30 m	680 565	10d	for compressor JDK 150 - 500	680 464
8	Ball valve 2 × 16 mm	680 122			

* no longer available



Replacement for Item 15 contains

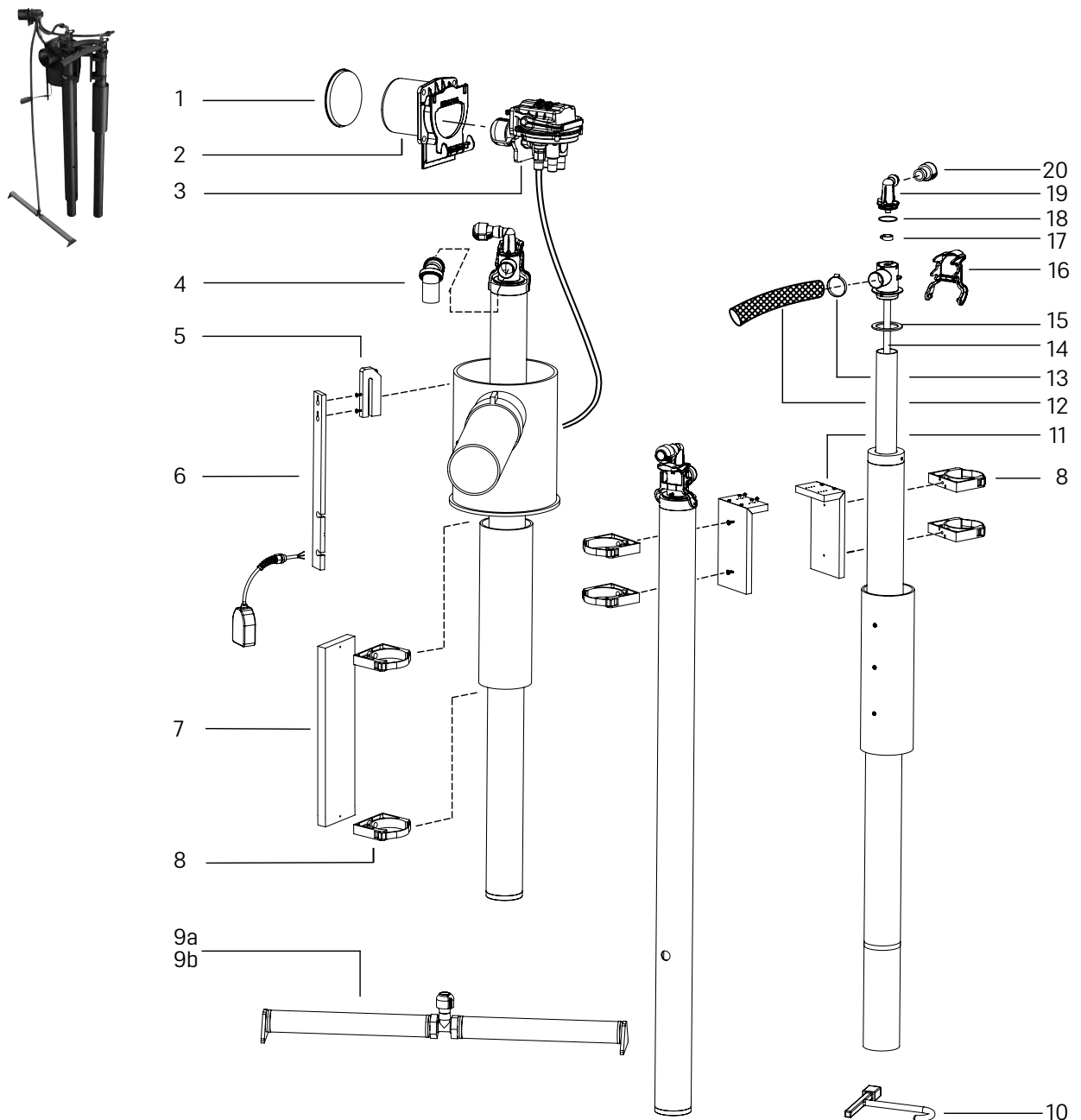


Item	Designation	Art. no.
12	Replacement diaphragms (1 pair)	
12a	for EL-100 (1 pair), EL-150 and 200 (2 pairs)	680 177
12b	for EL-120 (1 pair), EL-250 (2 pairs)	680 178
12c	for JDK 60 - 120	680 465
12d	for JDK 150 - 500	680 466
13	Diaphragm compressor complete	
13a	JDK 100	680 469
13b	JDK 150	680 471
13c	JDK 200	680 472
13d	JDK 250	680 473

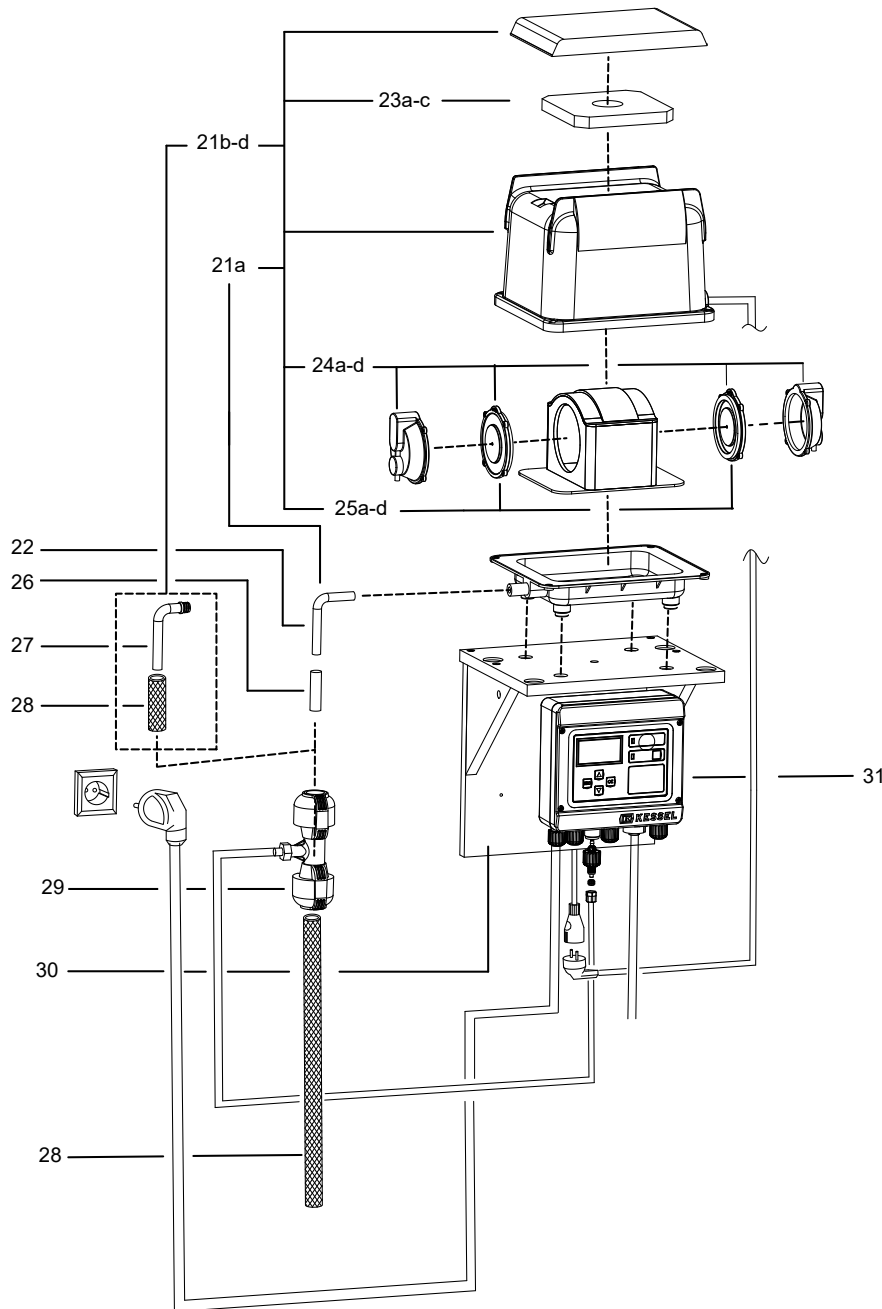
Item	Designation	Art. no.
14	Connector for diaphragm compressor	680 634
15	Conversion kit for <i>InnoClean</i> control unit	97 740
16	Wall mounting bracket for <i>InnoClean</i>	680 467
17	Wall mounting bracket for adapter plate	680 193
18	Adapter plate with muff	680 334
19	Valve block	680 194
20	Control unit <i>InnoClean</i>	97 727
21	Supporting sleeve	97 742
22	Connector for pressure monitoring system, <i>InnoClean</i>	680 195
23	Air hose 19 × 25 mm	97 738

Renovation/retrofit kit

for installation in existing double or multi-chamber cesspits



Item	Designation	Art. no.	Item	Designation	Art. no.
1	Temporary protective cover for adapter plate	680 213	11	Bracket with pipe clamps	680 211
2	Adapter plate with muff	680 334	12	Spiral hose Ø 50 mm (bulk goods)	680 073
3	Valve block with float switch	680 161	13	Hose clamp for hose 60 mm	680 283
4	HTK bend for clear water removal Ø 50	63 050	14	Air hose for lifter, Ø 16, Length: 1.0 m	680 406
5	Bracket for float switch, retrofit kit	680 197	15	Seal for lifter	680 407
6	Bracket strip for float switch	680 199	16	Dual locking lever	680 139
7	Fixing for pipe clamps	680 201	17	Hose clamp for 1/2" hose	680 082
8	Pipe clamp with bracket	680 369	18	Seal, O-ring	680 408
9	Aeration pipe, retrofit kit		19	Air connection bend	on request
9a	Length: 1100 mm	680 404	20	Hose connection	on request
9b	Length: 1600 mm	680 405	21	Diaphragm compressor complete	
10	Removal key for InnoClean PLUS cover plate	680 278	21a	JDK 100	680 469



Item	Designation	Art. no.
21b	JDK 150	680 471
21c	JDK 200	680 472
21d	JDK 250	680 473
22	Connector for diaphragm compressor	680 634
23	Filter mat (1 ea.)	
23a	for EL-100 and 120 (1 ea.), for EL-150, 200 and 250 (2 ea.)	97 719
23b	for JDK 60 - 120	680 461
23c	for JDK 150 - 500	680 462
24	Maintenance set (1 set consists of: 2× diaphragm, 2× valve, filter element)	
24a	for compressor EL-100 (1 set), EL-150 and 200 (2 sets)	680 179
24b	for compressor EL-120 (1 set), EL-250 (2 sets)	680 180
24c	for compressor JDK 100 - 120	680 463

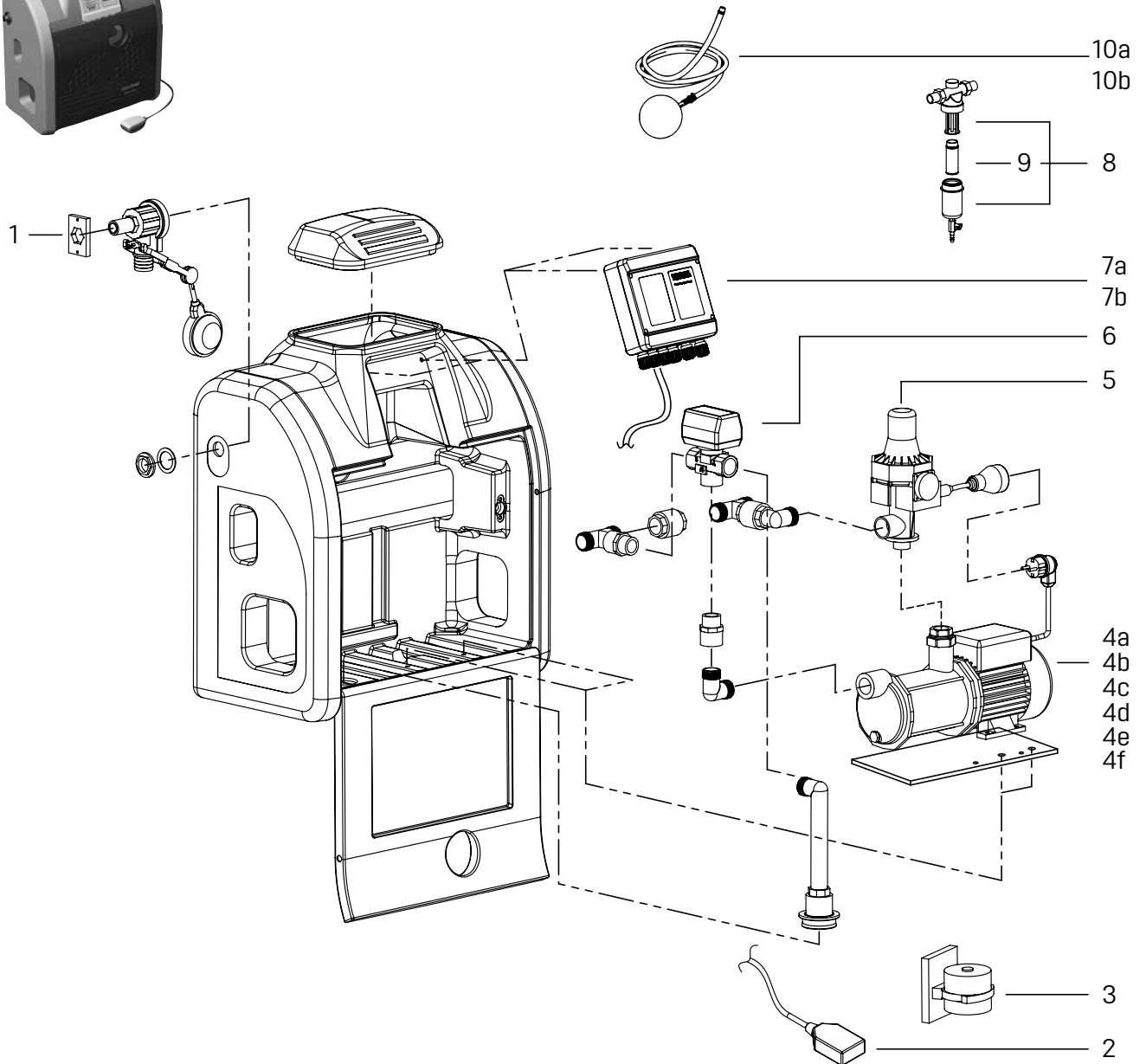
Item	Designation	Art. no.
24d	for compressor JDK 150 - 500	680 464
25	Replacement diaphragms (1 pair)	
25a	for EL-100 (1 pair), EL-150 and 200 (2 pairs)	680 177
25b	for EL-120 (1 pair), EL-250 (2 pairs)	680 178
25c	for JDK 60 - 120	680 465
25d	for JDK 150 - 500	680 466
26	Supporting sleeve	97 742
27	PP bend 90° 3/4" × 20 (for Item 21 b, c, d only)	680 566
28	Air hose 19 × 25 mm	97 738
29	Connector for pressure monitoring, <i>InnoClean</i> PLUS	97 743
30	Wall mounting bracket for <i>InnoClean</i>	680 467
31	Control unit <i>InnoClean</i>	97 727

7. Rainwater harvesting

<i>Aqabull</i>	170
<i>Aqadive</i>	171
Rainwater filters	172

Aqabull

Inside the building



Item	Designation	Art. no.
1	Float valve Quickstop	680 051*
2	Normally closed float switch, 20 m cable, without plug	85 043*
3	Ultrasonic probe with 20 m cable	on request*
4	Pump 230 V	
4a	Type 15/4, Comfort, 0.8 kW (standard)	on request*
4b	Type 25/3, Comfort, 1.0 kW	on request*
4c	Type 20/4, Comfort, 1.2 kW	on request*
4d	Type 20/5, Comfort, 1.5 kW	on request*
4e	Replacement pump, Type 25/5, 230 V	680 819
4f	Replacement pump (set), Aqabull Standard	85 005A*

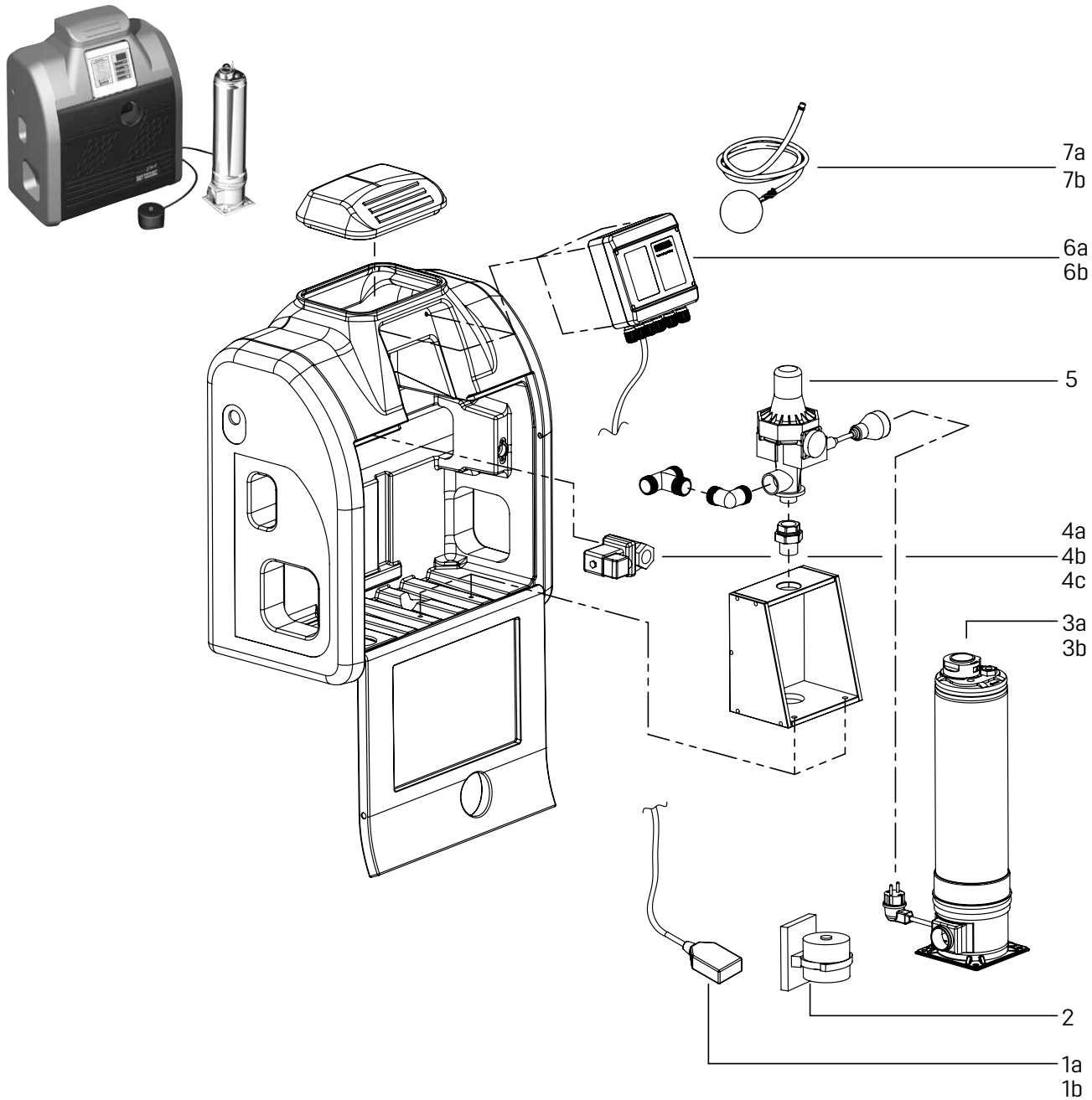
* As long as stocks last

Item	Designation	Art. no.
5	Pressure switch IP 55, 230 V, 2.4 bar (standard)	85 002*
6	3-way valve (valve body, motor, connection cable)	85 044*
7	Control unit	
7a	for Aqatronic K (for ultrasonic probe)	**
7b	for Aqatronic S (for float switch)	**
8	Backwash sediment filter	85 010*
9	Backwash filter for backwash sediment filter	85 035*
10a	Intake filter with non-return valve and coarse filter	85 051*
10b	Intake filter with non-return valve and sediment filter	85 050*

** no longer available

Aqadive

Inside the building



Item	Designation	Art. no.
1	Normally closed float switch with 20 m cable	
1a	with connector	on request*
1b	without connector	85 043*
2	Ultrasonic probe with 20 m cable	on request*
3	Replacement pump	
3a	KTP 800	85 003a*
3b	KTP 1000 (standard)	85 004a*
4	Solenoid valve 230 V	
4a	1/2 inch	85 045*

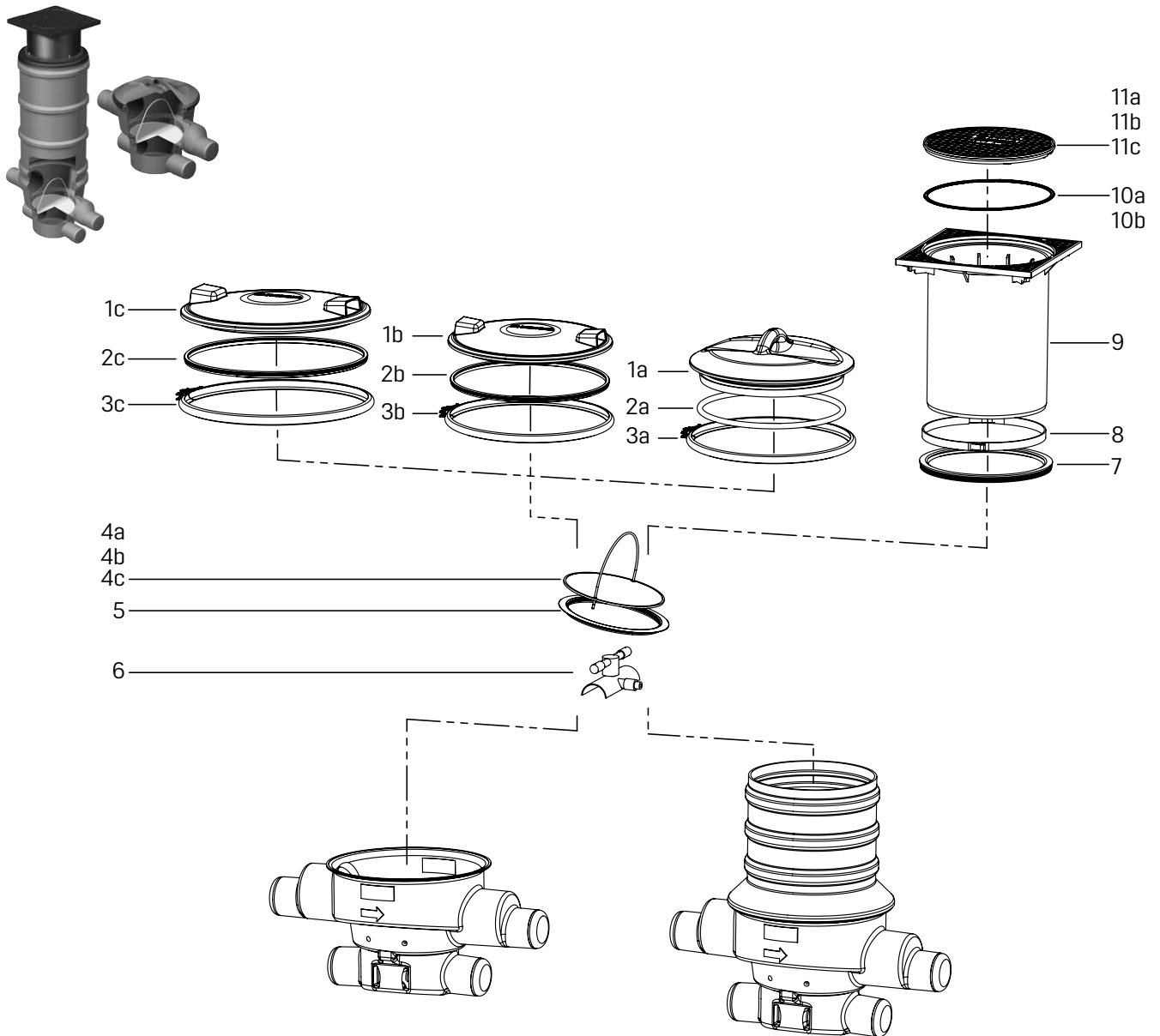
Item	Designation	Art. no.
4b	3/4 inch	85 046*
4c	1 inch	85 047*
5	Pressure switch IP 55, 230 V, 2.4 bar (standard)	85 002*
6	Control unit	
6a	for Aqatronic K (for ultrasonic probe)	**
6b	for Aqatronic S (for float switch)	**
7	Intake filter with non-return valve	
7a	and coarse filter	85 051*
7b	and sediment filter	85 050*

* As long as stocks last

** no longer available

Rainwater filters

Inside and outside the building



Item	Designation	Art. no.
1	Cover	
1a	Ø 420, up to model year 03/2004	680 326
1b	Ø 420, beginning model year 04/2004	916 904
1c	Ø 630 for DIN 4040-100 separator, beginning model year 04/2004	916 901
2	Replacement seal	
2a	Ø 420, up to model year 03/2004	680 217
2b	Ø 420, beginning model year 04/2004	917 204
2c	Ø 630 for DIN 4040-100 separator, beginning model year 04/2004	917 201
3	Clamp-type closure	
3a	Ø 420, up to model year 03/2004	680 325
3b	Ø 420, beginning model year 04/2004	917 004
3c	Ø 630 for DIN 4040-100 separator, beginning model year 04/2004	917 001
4	Replacement filter	
4a	round, mesh size 200 µm	680 416*

Item	Designation	Art. no.
4b	round, mesh size 500 µm	680 417*
4c	square, mesh size 200 µm	680 488*
5	Seal, round	680 415*
6	Backwash device	on request*
7	Seal	680 315
8	Clamping ring for upper section	680 314
9	Upper section with clamping ring	680 311
10	Seal for cover plate	
10a	for class A and B	680 058
10b	for class D	680 316
11	Cover plate	
11a	class A	680 312
11b	class B	680 553
11c	class D	680 313

* As long as stocks last

8. Article index

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28 042	89	28 787	52	67 750	129	680 065	78
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680 140	162	680 259	126	680 336	158	680 430	56
680 141	162	680 260	126	680 339	135	680 431	56
680 150	10	680 261	126	680 341	140	680 432	137
680 158	162	680 262	127	680 342	138	680 433	135
680 160	162	680 263	127	680 343	142	680 434	139
680 161	162	680 264	127	680 344	138	680 435	139
680 164	139	680 265	127	680 347	159	680 436	139
680 166	162	680 266	127	680 348	156	680 437	139
680 177	163	680 267	127	680 349	156	680 438	139
680 178	163	680 268	127	680 350	156	680 439	139
680 179	163	680 269	127	680 361	62	680 440	141
680 180	163	680 270	127	680 362	92	680 442	52
680 181	162	680 271	127	680 363	69	680 443	52
680 183	118	680 274	140	680 364	62	680 444	52
680 188	164	680 275	138	680 366	62	680 445	52
680 189	164	680 276	56	680 369	166	680 446	104
680 193	165	680 277	94	680 370	56	680 449	92
680 194	165	680 278	152	680 371	56	680 450	92
680 195	165	680 280	116	680 373	56	680 451	92
680 197	166	680 282	136	680 374	56	680 452	52
680 199	166	680 283	136	680 375	56	680 453	77
680 201	166	680 284	137	680 376	56	680 454	77
680 203	111	680 285	135	680 378	56	680 455	52
680 204	111	680 286	136	680 379	52	680 457	92
680 205	111	680 287	136	680 380	52	680 460	52
680 206	111	680 288	136	680 381	52	680 461	163
680 207	111	680 289	135	680 382	52	680 462	163
680 211	166	680 290	137	680 383	52	680 463	163
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680 473	163	680 550	89	680 660	57	680 774	71
680 475	64	680 553	130	680 661	57	680 775	71
680 476	92	680 555	139	680 662	57	680 776	71
680 477	123	680 562	162	680 663	57	680 777	71
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680 480	93	680 565	164	680 668	30	680 780	71
680 481	136	680 566	163	680 669	126	680 781	71
680 482	126	680 567	162	680 673	66	680 783	102
680 483	126	680 568	56	680 674	67	680 784	106
680 484	126	680 589	138	680 675	67	680 785	106
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680 486	77	680 593	58	680 683	127	680 787	93
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680 488	172	680 595	93	680 686	128	680 789	92
680 490	74	680 596	103	680 687	128	680 792	69
680 491	75	680 597	103	680 688	128	680 793	62
680 502	135	680 598	103	680 689	128	680 801	98
680 503	135	680 599	103	680 690	127	680 802	100
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680 508	135	680 604	103	680 696	80	680 812	98
680 509	135	680 605	103	680 698	92	680 813	100
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680 515	135	680 610	103	680 706	106	680 818	83
680 516	135	680 611	103	680 707	106	680 819	170
680 517	135	680 612	103	680 708	106	680 820	101
680 519	135	680 613	103	680 709	106	680 821	101
680 520	135	680 614	103	680 710	106	680 827	52
680 521	135	680 615	103	680 715	128	680 828	43
680 522	135	680 616	103	680 716	89	680 829	43
680 523	135	680 617	103	680 717	103	680 830	43
680 524	52	680 618	103	680 718	103	680 832	138
680 528	102	680 619	103	680 719	106	680 836	56
680 529	102	680 620	103	680 720	111	680 877	67
680 530	102	680 621	103	680 727	89	680 878	70
680 531	102	680 622	103	680 728	126	680 879	68
680 532	86	680 623	103	680 729	93	680 880	92
680 533	104	680 624	103	680 742	96	680 881	93
680 534	104	680 630	100	680 758	64	680 882	122
680 535	82	680 634	163	680 759	64	680 883	43
680 536	82	680 637	106	680 760	64	680 884	43
680 537	82	680 638	106	680 761	64	680 885	62
680 538	82	680 639	106	680 762	62	680 886	122
680 539	82	680 640	106	680 763	45	680 887	74
680 540	82	680 641	89	680 764	69	680 888	74
680 541	82	680 642	84	680 765	69	680 889	92
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680 954	63	681 029	124	681 161	50	70 205	32
680 955	64	681 030	124	681 162	50	70 214	14
680 961	98	681 031	124	681 163	50	70 217	22
680 962	98	681 032	56	681 164	50	70 231	30
680 963	98	681 033	56	681 165	50	70 232	30
680 964	99	681 034	119	681 168	50	70 233	32
680 965	98	681 035	119	681 169	50	70 234	32
680 966	99	681 037	82	681 172	92	70 241	30
680 967	74	681 038	82	681 182	89	70 242	30
680 968	74	681 039	89	681 183	82	70 251	36
680 969	74	681 052	111	681 184	82	70 252	36
680 970	99	681 057	125	681 185	82	70 261	32
680 971	99	681 058	125	681 186	82	70 262	32
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680 973	75	681 060	62	681 188	82	70 318	16
680 974	75	681 061	62	681 189	82	70 319	10
680 975	74	681 062	62	681 190	82	72 224	30
680 976	74	681 063	62	681 191	83	72 225	30
680 977	75	681 064	62	681 192	82	72 229	30
680 978	74	681 065	62	681 198	68	72 230	30
680 979	75	681 066	62	681 199	68	72 235	30
680 980	74	681 067	62	681 200	68	72 236	30
680 981	74	681 068	62	681 201	68		
680 982	74	681 069	62	681 202	68		
680 983	74	681 070	62	681 215	50	80 010	26
680 984	74	681 071	62	681 216	143	80 011	24
680 985	74	681 072	62	681 217	155	80 012	24
680 986	74	681 073	62	686 112	30	80 013	20
680 987	74	681 074	62	686 113	30	80 014	20
680 988	75	681 075	62	686 114	10	80 015	22
680 989	76	681 076	62	686 115	30	80 016	16
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680 993	76	681 080	62				
680 994	76	681 081	62			80 031	18
680 995	76	681 082	62			80 032	18
680 996	75	681 083	66			80 035	18
680 998	74	681 086	155			80 036	18
680 999	99	681 087	155			80 038	10
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83 084	10				
83 085	10				
83 086	10				
83 087	10				
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KESSEL AG Standard Conditions of Sale (SCS) – International

1. Scope of application, form

- (1) The present Standard Conditions of Sale (SCS) apply to all our business relations with our customers ("Purchaser"). The SCS apply only provided the Purchaser is an entrepreneur (§ 14 of the German Civil Code (BGB)), a public-law legal entity or public-law special assets.
- (2) The SCS apply particularly to contracts for the sale and/or delivery of movable objects ("Products") as well as the sale of goods, software and technology ("Goods"), irrespective of whether we manufacture the Products/Goods ourselves or purchase them from suppliers (§§ 433, 651 BGB). Unless anything different has been agreed, the version of the SCS which was applicable at the time of the Purchaser's order or at least as last communicated to him in text form will apply as a framework agreement, if the customer has not lodged an objection to them within two months. The SCS also in the case of similar future contracts and without our having to refer to them again in each individual case. As a matter of principle, we do not render any planning services for the customer.
- (3) Only our SCS apply. The customer's terms and conditions of business do not apply, even if we do not issue any separate objection to their validity. Differing or contradictory terms and conditions apply only if they have been accepted by us in writing.
- (4) Individual agreements made with the Purchaser in a particular case (including side-agreements, additions and amendments) will in any event have precedence over these SCS. Subject to proof to the contrary, the content of such agreements will be governed by a written contract or our written confirmation. The parties agree that these SCS conditions fully reflect the agreements of the contracting parties and that no further agreements exist beyond these SCS.
- (5) Legally material declarations and notices by the Purchaser with regard to the contract (e.g. setting of a deadline, request for return, report of defects, rescission or a price reduction) must be submitted in writing, i.e. in written or text form (e.g. letter, e-mail, fax). This will not affect legal requirements regarding form and additional evidence, particularly in the event of doubts on the legitimacy of the party making the declaration.
- (6) Reference to the application of provisions of the law are only intended for purposes of clarification. Thus, even without such clarification, the provisions of the law will apply unless they are directly amended or expressly excluded in these SCS. § 312i paragraph 1 No. 1-3 BGB do not apply.

2. Conclusion of a contract

- (1) Our quotations are subject to change and not binding. This will also be the case should we have provided the Purchaser with catalogues, technical documentation (e.g. drawing, plans, calculations, estimates, reference to DIN norms), other product descriptions or documents – also in electronic form – to which we reserve rights of title and copyright.
- (2) The Purchaser's order for Products is considered a binding offer to conclude a contract. Unless the order provides for anything different, we are entitled to accept this offer to conclude a contract within four weeks of having received the offer.
- (3) The offer may be accepted either in writing (e.g. by way of an order confirmation) or through delivery of the Products to the Purchaser.

3. Reservation regarding matters related to the German Foreign Trade Law

The contract is subject to the reservation that its fulfilment is not subject to any hindrances due to the domestic or international provisions of the Foreign Trade Law or contrary to any embargos and/or other sanctions. Our Goods may be subject to restrictions under the Foreign Trade Law. These are to be understood to include legal prohibitions and/or obligations to obtain permits. Should a Product be purchased that is subject to the requirement that approval is obtained, it will be clarified with the Purchase in each individual case how the goods are to be shipped and whether a contract may be concluded at all. A restriction in terms of the Foreign Trade Law may be related inter alia to the final destination and intended use of the Products. Should Products supplied by us be forwarded to a third party at home or in a foreign country, the Purchaser is required to comply with the applicable provisions of domestic and international foreign trade law. If necessary, the Purchaser is required, immediately on being requested to do so, to provide us with all information and documents required by the responsible authority for approval in accordance with the Foreign Trade Law concerning the ultimate recipient, final destination and intended use of the Products we supply as well as any restrictions in terms of foreign trade law in this regard. Any amendments and errors reserved.

4. Delivery period and delivery delays

- (1) The delivery period will be agreed individually or stated by us on accepting the order. Should this not be the case, the delivery period is approximately four weeks after transfer to the freight forwarder / carrier. With regard to the particularities during the Covid-19 pandemic, please see section 6.
- (2) Should we be unable to meet binding delivery dates for reasons for which we are not responsible (service not available), we will inform the Purchaser of this fact immediately and simultaneously give notification the probable new delivery period. Should the service also not be available within the new delivery period, we are entitled to rescind all or part of the contract; should the Provider have already paid for the service, we will reimburse this immediately. Non-delivery of the service within the meaning of the above is particularly the case in which our supplier does not deliver to us on time, should we have concluded a parallel covering order, should neither we or our supplier be at fault or should we not be required to procure the Products in the particular case. We assume no procurement guarantee.
- (3) We will be in arrears with the delivery should we be responsible for the delay in service, whereby our degree of blame in accordance with § 9 of these SCS is limited to deliberate intent and gross negligence. As a matter of principle, a reminder by the Purchaser is required unless the reminder is rendered unnecessary by an agreement for a delivery period in accordance with paragraph 1. Should we fall into arrears with the delivery, the Purchaser may demand a lump-sum amount as compensation for its damages due to the delay. The lump-sum compensation amount of 0.5% of the net price (delivery value) for every complete week of arrears, subject however to a maximum of 5% of the delivery value of the Goods delivered late. We reserve the right to prove that the Purchaser has not incurred any damage or has incurred considerably lower damages than the above lump-sum amount.
- (4) The Purchaser's rights in accordance with § 8 of these SCS and our legal rights, particularly in the event of an exclusion of the obligation to perform (e.g. due to impossibility or that performance and/or subsequent fulfilment are unreasonable) are not affected.

5. Force majeure

- (1) In the event of force majeure, we will not be in default in respect of the obligations affected by force majeure and the obligation to perform or fulfil these obligations punctually will be suspended automatically for the period of the force majeure.
- (2) Force majeure relates to events or circumstances of all any type that

- (a) are beyond the reasonable control of the party claiming force majeure;
- (b) were not effective or reasonably foreseeable when the contract was concluded;
- (c) do not constitute acts, events or conditions the risks or consequences of which were expressly assumed by the affected party, and
- (d) despite the exercise of due care and diligence by the affected party claiming force majeure (or by third parties under the control of the affected party, including subcontractors), cannot be rendered harmless, remedied, averted, offset, negotiated or otherwise overcome.
- (3) If we are prevented from fulfilling a contractual obligation by force majeure, we will inform the Purchaser about the event or the circumstances constituting force majeure, naming the obligations we are prevented from fulfilling. Once this notification has been provided, we will be released from the requirement to fulfil these obligations as long as the case of force majeure prevents us from doing so.
- (4) In the event of a force majeure event, we will not be liable for any resulting loss or damage incurred by the Purchaser. In particular, we will not be liable for any loss or damage incurred by the Purchaser due to delays in deliveries or non-deliveries.

6. Delivery, transfer of risk, delay in acceptance

- (1) The delivery will be made solely in the packing units stated. The delivery is carried out from the warehouse, which is also the place of fulfilment for the delivery and of any subsequent fulfilment. At the request and expense of the Purchaser, the Goods may be delivered to a different destination (sales shipment). Unless anything different has been agreed, we are entitled to determine ourselves the method of shipment (particularly freight forwarder, routing, packaging). Surcharges for freight sent as an urgent or express shipment will be paid by the Purchaser. The Purchaser is required to report transport damage to the freight forwarder/service provider as soon as the shipment is received and to note any damage in writing in the shipment documents.
- (2) The risk of accidental destruction and accidental deterioration will pass to the Purchaser at the latest upon delivery. In the case of sales shipments however the risk of accidental destruction and accidental deterioration of the Products as well as the risk of delay will pass already on delivery of the Products to the freight forwarder, transporter or any other person or institution appointed to carry out the delivery. Only insofar as formal acceptance have been expressly agreed within the meaning of § 433 paragraph 2 BGB will this determine the transfer of risk. Should the Purchaser be in arrears in accepting the Goods, it is irrelevant whether the Goods are handed over or subject to formal acceptance.
- (3) Should the Purchaser be in arrears in accepting the Goods, fail to fulfil an obligation to cooperate or should our delivery be delayed for other reasons for which the Purchaser is responsible, we are entitled to demand compensation for damage incurred thereby, including additional expenses (e.g. storage costs). For this purpose, we charge a lump-sum amount of 1.0% of the net value of the Goods for each complete month as compensation, subject however to a maximum of 5% of the net value of the Goods, beginning on the delivery date or, in the absence of the delivery date, with the notification that the Goods are ready to be delivered. This does not affect proof of higher damage and our legal rights (particularly compensation for additional expenses, adequate compensation, termination); the lump-sum amount is however to be deducted from additional financial claims. The Purchaser is entitled to prove that we have not incurred any damage or considerably lower damages than the above lump-sum amount.

7. Prices and payment conditions

- (1) Unless anything different is agreed in the particular case, our current ex warehouse price list at the time the contract is concluded plus the VAT stipulated by law will apply.
- (2) In the case of a sales shipment (§ 5 paragraph 1), the Purchaser will pay the costs of transport from the warehouse as well as any transport insurance requested by the Purchaser.
- (3) We charge 10.00 € minimum quality surcharge on deliveries of less than 150.00 € net goods value.
- (4) A third-party delivery surcharge of 8% of the net goods value will be charged on orders that are not delivered to the Purchaser's warehouse.
- (5) The purchase price is due and payable immediately.
- (6) In justified cases, we are entitled to make the respective delivery, at our discretion, only in return for full advance payment of the respective purchase price or adequate collateral. We will state the reasons for requiring advance payment or for a request for collateral. Advance payment or collateral will be due immediately upon receipt of the statement by the customer. A justified case will exist in particular if
 - (a) the customer is in arrears with a due payment at an amount that is more than negligible and has not paid it or has not paid in full even upon express request,
 - (b) the customer has been in default with a due payment twice in twelve months,
 - (c) enforcement measures have been initiated against the customer in respect of monetary claims (§§ 803 - 882a ZPO (Code of Civil Procedure)),
 - (d) there is a concern, based on overall circumstances to be assessed, that the customer is likely to operate in a manner that breaches the contract,
 - (e) a previous contractual relationship with the customer has been effectively terminated. If the customer does not make an advance payment, provides it late or not in full, we are entitled to terminate the contractual relationship for cause and to dissolve the business relationship. The same applies to the provision of collateral.
 If we elect provision of collateral, it must be a bank guarantee. The guarantor must be a credit institution or credit insurer licensed in the European Community (Fitch credit rating index or equivalent, at least A). The declaration of surety must be in writing, for an unlimited period and must waive the defence of failure to pursue remedies. The right of deposit must be excluded. Furthermore, the guarantor must state that the place of jurisdiction is our registered office and that the guarantee claim will not be time-barred before the secured principal claim. We will return the collateral when the grounds for the collateral ceases to apply.
- (7) The Purchaser will be in arrears 30 days after the payment deadline has expired. The interest rate on arrears stipulated by law will be charged on the purchase price whilst payment is in arrears. We reserve the right to claim additional damages on account of payment arrears. In relations with entrepreneurs, our right to claim the commercial interest rate after the due date (§ 353 of the Commercial Code (HGB)) is not affected.
- (8) The Purchaser is only entitled to offset claims and to withhold payment provided its claim has been established in law or is undisputed. In the event of defects in a delivery, the Purchaser's counter-claims, particularly in accordance with section 8 paragraph 6 sentence 2 of these SCS, are unaffected.
- (9) Should it become clear after the contract has been concluded (e.g. through an application for the initiation of insolvency proceedings), that our claim to the purchase price is endangered due to lack of ability on the part of the Purchaser to perform, we will be entitled to refuse performance in accordance with the provisions of the law and to rescind the contract (§ 321 BGB). In the case of contracts for the manufacture of products which are not inter-changeable (individual constructions), we may declare rescission immediately; this will not affect the provisions of the law relating to the necessity of setting a grace period.

KESSEL AG Standard Conditions of Sale (SCS) – International

8. Reservation of title

(1) We reserve title to the respective goods sold until our claims under the purchase contract (secured claims) are paid for in full.

(2) Goods subject to reservation of title may neither be mortgaged to third parties nor have title transferred by way of collateral until the secured claims are paid for in full. The Purchaser is required to notify us immediately in writing should insolvency proceedings be applied for or should third parties seize goods belonging to us (e.g. attachments).

(3) In the event of behaviour by the Purchaser in breach of contract, particularly non-payment of the purchase price once due, we are entitled, in accordance with the provisions of the law to rescind the contract and/or to demand the return of the Goods on account of reservation of title.

(4) The Purchaser is authorised until further notice in accordance with (c) below to continue to sell and/or to process reserved goods as part of its regular business activity. In this case, the following provisions will apply additionally.

(a) The reservation of title includes the full value of the products resulting from processing, mixing or combining our goods, whereby we are deemed to be the manufacturer. Should, in the event of processing, mixing or combining with goods belonging to third parties, these third parties retain their rights of ownership, we will acquire co-ownership in proportion to the invoice value of the processed, mixed or combined goods. Otherwise, the same will apply to the resulting product as applies to Goods delivered subject to reservation of title.

(b) The Purchaser cedes to us with immediate effect the receivables due from third parties created as a result of the re-sale of the Goods or the Products, at the level of our ownership or any co-ownership we might have in accordance with the previous paragraph, as security. We accept the cession. The Purchaser's obligations referred to in paragraph 2 also apply with respect to the ceded receivables.

(c) In addition to us, the Purchaser is entitled to collect the receivables. We undertake not to collect the receivables as long as the Purchaser fulfils its payment obligations to us, as long as there is no deficiency in its ability to perform and we do not enforce the reservation of title by exercising a right in accordance with paragraph 3. Should this be the case, however, we may demand that the Purchaser inform us of the receivables ceded and their debtors as well as all information required to collect the receivables, hands over the relevant documents and notifies the debtors (third parties) of the cession. Moreover, in this case we are entitled to rescind the Purchaser's authority to continue to dispose of and to process the Goods subject to reservation of title after setting of deadline. We are also entitled to rescind it in the event of an application for insolvency and the opening of insolvency proceedings.

(d) Should the realisable value of the collateral exceed our claims by more than 10%, we will, at the Purchaser's request, release collateral of our choice.

9. Return of goods

In the case of certain articles in our standard program it is possible, after our individual examination and explicit agreement, to return fault-free goods for a service fee. The customer must send us his return request in advance in writing or in text form. A return of goods without our prior approval is not possible.

10. Purchaser's warranty claims

(1) Unless anything different is agreed below, the Purchaser's rights in the event of quality and legal defects will be governed by the provisions of the law. In any event, the special provisions of the law relating to the final delivery of unprocessed Goods to a consumer are not affected, even should this consumer have further processed the goods (supplier's recourse in accordance with §§ 478 BGB). Claims derived from supplier's recourse are excluded should the defective goods have been further processed by the Purchaser or some other entrepreneur, e.g. as a result of installation in another product.

(2) Liability for defects is based above all on the agreement made on the nature of the Goods. All product descriptions which are the object of the individual contract will be considered an agreement on the nature of the goods.

(3) Should the nature of the goods not have been agreed, the provision, whether a defect is present or not (§ 434 paragraph 1 page 2 and 3 BGB) will be judged by the provision of the law. We assume no liability for statements made by third parties (e.g. advertising claims).

(4) Warranty claims by the Purchaser are conditional on it having fulfilled its legal obligations to examine the Goods and to report defects (§§ 377, 381 HGB). This also includes a visual check for transport damage and an immediate report to the freight forwarder/service provider in accordance with section 5 paragraph 1 of these SCS. Should a defect be identified at the time of the delivery, the examination or at some time subsequently, this must be notified to us immediately in writing. In any event, obvious defects must be reported in writing within five days of the delivery and defects not identified at the time of the examination must be reported in writing within the same period of time from when the defect is discovered. Should the Purchaser fail to carry out an examination correctly and/or fail to report defects correctly, our liability for the defect not reported or not reported on time or properly is excluded in accordance with the provisions of the law.

(5) The warranty will not apply if the customer modifies the supplied item or has it modified by a third party without our approval and rectification of the defect is thereby rendered impossible or unreasonably difficult. In any case, the customer must bear the additional costs of the rectification of defects incurred on account of the modification.

(6) Should the object delivered be defective, we may initially choose whether we provide subsequent fulfilment by eliminating the defect (rectification) or by the delivery of a defect-free object (replacement shipment). Our right to refuse subsequent fulfilment in accordance with the conditions provided for in law is not affected.

(7) We are entitled to make the required subsequent fulfilment dependent on whether the Purchaser has paid the purchase price due. The Purchaser is however entitled to withhold a reasonable part of the purchase price proportionate to the defect. Reasonable is generally double the costs required in order to remedy the defect.

(8) The Purchaser is required to grant us the time and opportunity required in order to carry out the subsequent fulfilment due, in particular to hand over the Goods complained of for purposes of examination. In the case of a replacement shipment, the Purchaser is required to return the defective object as required by law. Subsequent fulfilment does not include either dismantling or re-assembling the defective object should we originally not have been required to carry out assembly.

(9) We will reimburse the expenses required for examination and subsequent fulfilment, particularly the costs of transport, travel, labour and materials as well as, if applicable, those of dismantling and reassembly, in accordance with the requirements of the law, provided a defect is actually present. Otherwise, we may demand from the Purchaser the reimbursement of the costs of the unjustified request that the defect be eliminated (particularly the costs of examination and transportation), unless the fact that the object was not defective was not evident to the Purchaser.

(10) Should subsequent fulfilment fail or should a time-limit for subsequent fulfilment to be set by the Purchaser expire without the desired result or be unnecessary in accordance with the pro-

visions of the law, the Purchaser may rescind the contract or reduce the purchase price. Should the defect be only minor however, there is no right to rescind the contract.

(11) Claims by the Purchaser for compensation or the reimbursement of costs incurred in vain with regard to defects are only admissible in accordance with § 11 and are otherwise excluded.

11. Other liability

(1) Unless these SCS including the following conditions provide for anything different, we are liable for the infringement of contractual and out-of-court obligations in accordance with the provisions of the law.

(2) We are liable for compensation – irrespective of the legal reason – in accordance with the law of negligence in cases of deliberate intent and gross negligence. In the event of minor negligence, we are liable, subject to a lesser degree of liability in accordance with the provisions of the law (e.g. duty of care in one's own affairs), only

(a) for damage due to injury to life, limb or health,

(b) for damage due to a not inconsiderable infringement of a significant contractual obligation, the fulfilment of which makes the proper implementation of the contract possible at all and on whose compliance the contractual partner normally relies and may rely; in this case, our liability is however limited to compensation for the foreseeable damage typically incurred.

(3) The limitations of liability referred to paragraph 2 also apply to infringements of obligations in favour of persons for whose negligence we are responsible according to the law. They do not apply should we have fraudulently concealed a defect or assumed a guarantee of the nature of the goods and to claims by the Purchaser in accordance with the German Law on Product Liability.

(4) The Purchaser may only rescind or terminate the contract on account of an infringement of an obligation that does not constitute a defect should we be responsible for the infringement of the liability. Free right to terminate on the part of the Purchaser is excluded. Otherwise, the conditions and legal consequences provided for in law will apply.

12. Time-limitation

(1) The Purchaser's claims will become time-expired two years after the final invoice date.

(2) Building materials and building modules that have been used in the construction of a building in accordance with their normal intended use and which have caused the building to have defects are governed by the provisions of the law.

13. Data processing / data protection

(1) We record, process and use personal data (e.g. name, delivery address, invoice address, telephone number, tax number etc.) that have become known as part of contractual relations and which are required in order to process orders. We also process third parties' data (final customers/end consumers) transmitted to us by the Purchaser for the purpose of processing as part of the order. For its part, the Purchaser is responsible for processing the data in accordance with data protection within the meaning of the General Data Protection Regulation (GDPR for short) and the German Federal Data Protection Law (BDSG for short) within the meaning of these laws.

(2) We transmit data obtained as part of the business relationship with the Purchaser to external third parties

- for the purpose of preparing quotations,
- for order processing and invoicing purposes
- as part of fulfilling data processing tasks with service partners.

We oblige external third parties to ensure the confidentiality and security of the data. The volume of data transmitted is established contractually. Provided this is required in order to safeguard legitimate interests, we also transmit data to end customers/end users directly or through a contractual partner within the meaning of article 28 GDPR. In doing this, we ensure that the interests of the Purchaser and of end customers/end users worthy of protection are not impinged. Equally, the Purchaser is required to ensure when processing that the interests of end customers/end users worthy of protection are not impinged and that the provisions of the GDPR and BDSG are complied with. In this regard, the Purchaser will ensure in particular that there is a legal basis in accordance with GDPR and BDSG for processing end customers'/end users' personal data. The Purchaser may ensure this by concluding contracts or by having secured end customer' consent to our further processing of personal data. The Purchaser will for its part also fulfil existing information obligations to its end customers/end users in accordance with GDPR. The Purchaser will inform the end customers'/end users in a way that can be proven that their personal data has been forwarded to us in order to carry out the order and for processing purposes.

(3) We reserve the right to obtain information from commercial information agents or credit insurers with regard to the Purchaser's credit rating for purposes of checking his creditworthiness and to report data to him – limited to cases of processing not according to contract, e.g. application for a dunning letter, with regard to an undisputed claim, enforcement order, sequestration measures. Data will only be transmitted provided that this is necessary in order to safeguard our legitimate interests. Balance sheet data will be handled confidentially and used solely for the purpose of credit checking.

The Purchaser expressly gives his consent to the data processing described above. With regard to the processing of contractual partners' and final customers' personal data provided to us by the Purchaser for the purpose of carrying out the order, the Purchaser will irrefutably ensure with documentary evidence that the legal basis required for this purpose in accordance with the GDPR and the BDSG exists in our favour.

14. Choice of law and place of jurisdiction

(1) These SCS and the contractual relationship between ourselves and the Purchaser are subject to the law of the Federal Republic of Germany to the exclusion of international uniformity law, particularly UN purchasing law.

(2) Should the Purchaser be an entrepreneur within the meaning of the Commercial Code, a public-law legal entity or public-law special assets, the sole – also international – place of jurisdiction for the Purchaser for all disputes arising directly or indirectly from the contractual relationship is our registered office (Lenting) Ingolstadt. The same will apply should the Purchaser be an entrepreneur within the meaning of § 14 BGB. We are however in any event entitled to lodge a claim at the place of performance of the delivery obligation in accordance with these SCS or with an individual agreement having precedence or at the Purchaser's general place of jurisdiction. This will not affect overriding provisions of the law, particularly with respect to exclusive responsibilities.

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