

Lifting station *Minilift S*

The space-saving version for wastewater without sewage.

Small and discreet: the *Minilift S* is integrated compactly in the floor slab. A washing machine, shower and further inlets can all be connected to the small lifting station at the same time. The *Minilift S* is delivered ready to plug in with a 300 watt pump with float switch.

Floor slab installation

The lifting station is almost invisible because it is installed in the floor slab. The integrated drain in the cover handles basement surface water. Even in the event of a pipe burst or flooding, the *Minilift S* continually pumps away the wastewater keeping the basement rooms dry.

Straightforward maintenance

The pump is integrated ready to plug in without the help of an electrician and can be removed for maintenance in no time at all.

Convenient installation

The telescopic upper section and the pre-installed inlets make installation simple and fast.

Lifting station *Minilift S* for free-standing installation

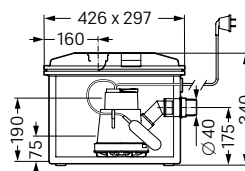
TÜV Rheinland Germany type tested and monitored



Wastewater lifting station made of polymer for above ground installation. With removable, float switch controlled pump and backwater flap. Pressure connection: 1 1/2 inch outer thread or pressure pipe Ø 40 mm for PVC glued connection. With activated carbon filter

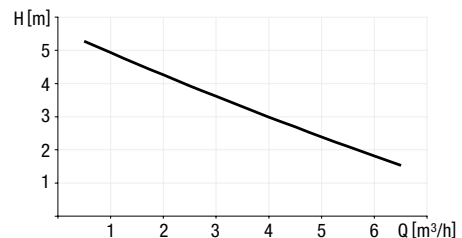
Power cable length: 5 m

Note: Version with powerful *GTF 500* or *GTF 1000* pump on request.



KTP pump	Voltage	Art. no.
300-S1	230 V	28 560
300-S1 resistant	230 V	28 560C

Pumping capacity



Pump type	Power P1 / P2	Voltage	Amperage	RPM	Plug	Cable length	Pumping height	Pumping capacity
KTP 300-S1*	0.34 kW / 0.21 kW	230 V ~ 50 Hz	1.6 A	2800 min ⁻¹	Schuko	5 m	6 m	8 m³/h
KTP 300-S1 resistant*	0.34 kW / 0.21 kW	230 V ~ 50 Hz	1.6 A	2800 min ⁻¹	Schuko	5 m	6 m	8 m³/h

*Definition of S1-pumps see page 97

Lifting station *Minilift S*

For installation in a concrete floor / slab



TÜV Rheinland Germany type tested and monitored

CE EN 12050-2

Tank volume: 26 liters

Pump volume: 7 liters

Polyethylene storage chamber for installation in a concrete slab/floor, installation depth (D) 330 to 460 mm, with lateral inlet \varnothing 50 mm. Installation area 600 × 600 mm.

Upper section and cover

Vertically and laterally adjustable upper section, with black / recessed cover for on-site tiling, integrated drain, made of polymer, load class K 3, with moisture protective sealing flange.

Pump

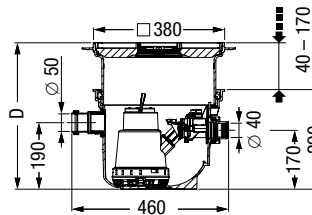
Single removable *KTP* pump for wastewater without sewage, float switch, with multi-vane impeller, with integrated non-return flap, pressure pipe connection 40 mm.



Illustration shows Art. no. 280 570X

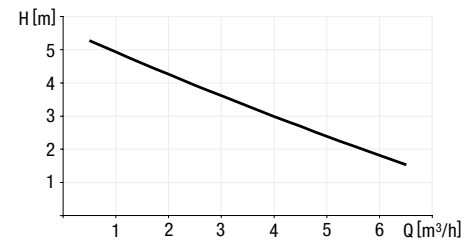


Illustration shows Art. no. 280 570S



KTP pump	Voltage	Art. no.
With recessed cover for on-site tiling		
300-S1	230 V	280 570X
300-S1 resistant	230 V	280 570XC
With black cover		
300-S1	230 V	280 570S
300-S1 resistant	230 V	280 570SC

Pumping capacity


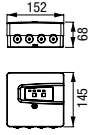

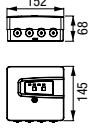


Pump type	Power P1 / P2	Voltage	Amperage	RPM	Plug	Cable length	Pumping height	Pumping capacity
KTP 300-S1*	0.34 kW / 0.21 kW	230 V ~ 50 Hz	1.6 A	2800 min ⁻¹	Schuko	5 m	6 m	8 m ³ /h
KTP 300-S1 resistant*	0.34 kW / 0.21 kW	230 V ~ 50 Hz	1.6 A	2800 min ⁻¹	Schuko	5 m	6 m	8 m ³ /h

*Definition of S1-pumps see page 97


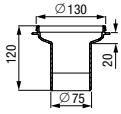

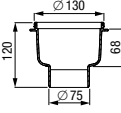

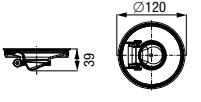



Accessories

Alarm unit

				Art. no.
with electrode probe	<p>Compatibility: For lifting station <i>Aqualift F Basic</i>, <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p> <p>Function: High water / flood alarm system; for conductive liquids</p> <p>Cable length: 5 m (extendable up to 30 m)</p>			20 222
with optical probe	<p>Compatibility: For lifting station <i>Aqualift F Basic</i>, <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p> <p>Function: High water / flood alarm system; for conductive / non-conductive liquids</p> <p>Cable length: 5 m (extendable up to 30 m)</p>			20 223
	<p>Cable length: 10 m (extendable up to 30 m)</p>			20 224

Potential-free contact	<p>Compatibility: For warning devices Art. no. 20 222 and 20 223</p>			80 074
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Hygiene and odour stop

			Cover	Art. no.
Drain body	<p>Compatibility: For lowest installation; for installation in a concrete floor <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p>			black grey 680 796 680 798
Drain body	<p>Compatibility: Seal water height 50 mm; for installation in a concrete floor <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p>			black grey 680 795 680 797
additionally Multistop	<p>Compatibility: For installation in a concrete floor <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p> <p>Function: Odour, foam, rodent and insect stop</p>			48 500
additionally Megastop	<p>Compatibility: For installation in a concrete floor <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p> <p>Function: Mechanical odour trap inclusive hair filter for KESSEL upper sections</p>			48 550
additionally odour trap	<p>Compatibility: For installation in a concrete floor <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p> <p>Seal water height: 50 mm (Ventilation always required when in use!)</p>			680 696

Hygiene

Hair filter	<p>Compatibility: Art. no. 48 500; for lifting station <i>Aqualift F Compact</i>, <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC)</p>			48 700
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Accessories

Installation set

Art. no.

Installation set

Compatibility: For installation in a concrete floor *Aqualift F Compact* and *Aqualift S Compact*; for installation in waterproof concrete

Inclusive:

- 1 Extension section with central flange
- 2 Pressure pipe set Ø 32
- 3 Adapter (Ø 75/Ø 110 socket)
- 4 Seal insert
- 5 Casing
- 6 Puddle flange (2)



83 077

Extension sections

Art. no.

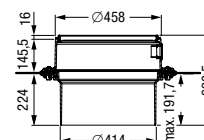
with centre flange

Compatibility: For installation in a concrete floor *Aqualift F Compact* and *Aqualift S Compact*

Additional function: For installation in waterproof concrete

Inclusive: Temporary construction debris cover, fully assembled, gasket set (counter flange made of polymer, screwed, elastomer sealing sheet made of NK/SBR Ø 800 mm)

Extension: Max. 360 mm



83 075

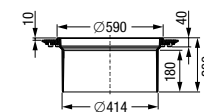
with flange and counter flange

Compatibility: For installation in a concrete floor *Aqualift F Compact* and *Aqualift S Compact*

Additional function: For connection to an on-site sealing sheet

Inclusive: Screws

Extension: Max. 140 mm (In case of deeper installation ensure maintenance capability!)

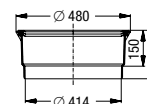


83 073

with gasket

Compatibility: For installation in a concrete floor *Aqualift F Compact* and *Aqualift S Compact*

Extension: Max. 180 mm (In case of deeper installation ensure maintenance capability!)



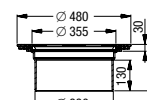
83 070

for deeper installation with flange

Compatibility: For installation in a concrete floor *Minilift S* (280 570X, 280 570S, 280 570XC and 280 570SC)

Inclusive: Gasket

Extension: Max. 147 mm (In case of deeper installation ensure maintenance capability!)



830 070

Pressure pipe set

Outer diameter Ø (mm)

Art. no.

Pressure pipe set

Compatibility: Ø 40 / Ø 50:

Aqualift F Compact, *Aqualift S Compact*
Ø 40: *Minilift S* (280 570X, 280 570S, 280 570XC and 280 570SC)

Inclusive: 5 m pressure pipe hose
Ø 40 (DN 32 mm)
Ø 50 (DN 40 mm)



Ø 40

28 040

Ø 50

28 062

Click adapter

Outer diameter Ø (mm)

Art. no.

Click adapter

Compatibility: For changeover to PE connection; for lifting station *Aqualift F Compact*, *Aqualift S Compact* and *Minilift S* (280 570X, 280 570S, 280 570XC and 280 570SC)


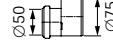

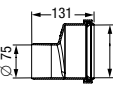


Ø 32

28 086


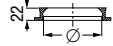
Accessories

Inlet adaptor		Outer diameter Ø (mm)	Drill size in mm	Art. no.		
with gasket and threaded ring	Compatibility: Ø 50 / Ø 75 / Ø 110: <i>Aqualift S Compact</i> Ø 50 / Ø 75: <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC) Inclusive: Flat seal			Ø 50	60	39 005
				Ø 75	92	39 007
				Ø 110	121	39 100

Transition sections		Outer diameter Ø (mm)	Art. no.		
Transition section	Compatibility: For installation in a concrete floor <i>Aqualift F Compact, Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC) Inclusive: Sealing ring Ø 50			Ø 50/75	27 126
				Ø 75/110	27 602

Hole saw		Outer pipe diameter in mm	Drill size in mm	Art. no.		
Hole saw set	Compatibility: Ø 50 - Ø 200: <i>Aqualift F Mono / Duo, Aqualift F XL</i> Ø 50 - Ø 160: <i>Aqualift S 100 / Aqualift S 200</i> Ø 50 - Ø 110: <i>Aqualift F Basic, Aqualift F Compact, Aqualift S Compact</i> Ø 50 / Ø 75: <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC) Inclusive: Saw blade holder			Ø 50	60	500 101
				Ø 75	92	
				Ø 110	121	
				Ø 110	121	500 100
				Ø 125	133	
				Ø 160	168	
				Ø 200 ¹⁾	200	500 102

1) use a power drill with at least 1000 watts

Sealing		Nominal pipe diameter in mm	Outer pipe diameter in mm	Art. no.		
Pipe sealing gasket	Compatibility: DN 50 - DN 200: <i>Aqualift F Mono / Duo, Aqualift F XL</i> DN 50 - DN 150: <i>Aqualift S 100 / Aqualift S 200</i> DN 50 - DN 100: <i>Aqualift F Basic, Aqualift F Compact, Aqualift S Compact</i> DN 50 / DN 70: <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC) Drill size: Ø 50: 60 mm Ø 75: 92 mm Ø 110: 121 mm Ø 125: 133 mm Ø 160: 168 mm Ø 200: 210 mm			DN 50	Ø 50	850 114
				DN 70	Ø 75	850 116
				DN 100	Ø 110	850 117
				DN 125	Ø 125	850 118
				DN 150	Ø 160	850 119
				DN 200	Ø 200	850 123


Accessories

Control unit accessories

			Art. no.
Audible alarm	Compatibility: For all control units 230 V not for warning devices Art. no. 20 222 and 20 223 Cable length: 20 m		20 162


Potential-free contact	Compatibility: For all control units 230 V not for warning devices Art. no. 20 222 and 20 223		80 072
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Safety

			Art. no.
TeleControl telemetric system	Compatibility: For connection to KESSEL Comfort control units 230 Volt and 400 Volt Function: Relaying of full text messages to up to three mobile phones Inclusive: With internal antenna (without SIM card)		28 792

Antenna booster with magnetic base	Compatibility: For TeleControl telemetric system to improve the reception Cable length: 2.5 m		28 793
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Extension cable	Compatibility: For antenna booster Cable length: 2.5 m		28 794
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Air compressor set	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 Inclusive: T-piece connection, 20 m pressure hose		28 048
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PE-pressure hose extension (per meter)	Compatibility: For Art. no. 28 048		680 071
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Cover plates

			Cover	Art. no.	
Surface water tight	Compatibility: For installation in a concrete floor <i>Aqualift F Compact</i> , <i>Aqualift S Compact</i> and <i>Minilift S</i> (280 570X, 280 570S, 280 570XC and 280 570SC) Inclusive: Gasket Version recessed for on-site tiling, grey: For tile thicknesses of 18 mm (Ventilation always required when in use!)		 □ 367 × 42	tileable	830 052
			 □ 367 × 42	black	830 050

Level sensor

			Art. no.
Level sensor with immersion pipe 433 mm	Compatibility: For <i>Aqualift F XL</i> Cable length: 10 m		681 040
	Cable length: 30 m		681 041

Level sensor with immersion pipe 288 mm	Compatibility: For <i>Aqualift F Duo</i> Cable length: 10 m		681 042
	Cable length: 30 m		681 043

Level sensor with immersion pipe 181 mm	Compatibility: For <i>Aqualift F Mono</i> Cable length: 10 m		681 046
	Cable length: 30 m		681 047

Accessories

Upgrade set

		Art. no.
Alarm float switch	<p>Compatibility: Can be combined with 230 V Comfort control units; for lifting station <i>Aqualift F Compact</i></p> <p>Inclusive: Float switch, float switch bracket</p> <p>Cable length: 5 m</p>	28 016
		
	<p>Compatibility: For use with 230 V and 400 V Comfort control units; for lifting station <i>Aqualift F Mono/Duo</i></p> <p>Inclusive: Float switch, support plate, cover</p> <p>Cable length: 5 m</p>	28 015
		
	<p>Compatibility: For use with 230 V and 400 V Comfort control units</p> <p>Inclusive: Float switch, support plate, cover</p> <p>Cable length: 5 m</p>	28 014
		

Cable extensions

for extension from 15 m or 25 m (cable length delivered: 5 m)

	Lifting station <i>Aqualift F Compact Mono</i> <i>Aqualift S Compact Mono</i> <i>Aqualift S 100 Mono</i> <i>Aqualift S 100 Mono Tronic</i>	Lifting station <i>Aqualift F Compact Duo</i> <i>Aqualift S Compact Duo</i> <i>Aqualift S 100 Duo Tronic</i> <i>Aqualift S 200 Duo Tronic</i>	Art. no.
Cable extension for probe (10 m)	<p>Extension to 15 m: 1×80 889</p> <p>Extension to 25 m: 2×80 889</p>	<p>Extension to 15 m: 1×80 889</p> <p>Extension to 25 m: 2×80 889</p>	80 889
Cable extension for pump (10 m)	<p>Extension to 15 m: 1×80 891</p> <p>Extension to 25 m: 2×80 891</p>	<p>Extension to 15 m: 2×80 891</p> <p>Extension to 25 m: 4×80 891</p>	80 891



Flexible pressure pipe connection

		Outer diameter Ø (mm)	Art. no.
for manual diaphragm pump	<p>Compatibility: For PE pipe connections; for lifting station <i>Aqualift F Basic</i>, <i>Aqualift F Mono / Duo</i> and <i>Aqualift F XL</i></p> <p>Inclusive: Two hose clamps</p> <p>Length: 200 mm</p>	Ø 32	28 660
for ventilation	<p>Compatibility: For PE pipe connections; for <i>Aqualift F Basic</i>, <i>Aqualift F Mono / Duo</i> and <i>Aqualift F XL</i></p> <p>Inclusive: Two hose clamps</p> <p>Length: 200 mm</p>	Ø 70	28 661
for connection adapter and pressure pipes	<p>Compatibility: For PE pipe connections; for <i>Aqualift F Mono / Duo</i> and <i>Aqualift F XL</i>; Art. no. 28 663: <i>Aqualift F Basic</i></p> <p>Inclusive: Two hose clamps</p> <p>Length: 200 mm</p>	Ø 90 Ø 110	28 662 28 663



Accessories

Closure valves		Outer diameter Ø (mm)	Art. no.
Closure valve, vertical	<p>Compatibility: For lifting station <i>Aqualift F Basic</i>, <i>Aqualift F Mono / Duo</i> and <i>Aqualift F XL</i></p> <p>Function: For the pressure pipe of KESSEL lifting stations with plastic fitting; for connection to pressure pipe, a KESSEL flange connector or adapter is required.</p> <p>Inclusive: Gasket, screw</p>	Ø 90	28 715
Closure valve with flange adaptor, vertical	<p>Compatibility: For lifting station <i>Aqualift F Basic</i>, <i>Aqualift F Mono / Duo</i> and <i>Aqualift F XL</i></p> <p>Function: For the pressure pipe of KESSEL lifting stations with plastic fitting</p> <p>Inclusive: With screwed flange adaptor, for connection to a standard flange DN 80 according to DIN 2501 (without sealing gasket and screw)</p>	Ø 90	28 716
Closure valve	<p>Compatibility: With lateral pressure pipe for lifting stations <i>Aqualift F</i></p>	Ø 100 Ø 110	28 682 28 683
	<p>Compatibility: For installation on the inlet side (no pressure) for lifting stations <i>Aqualift F</i></p>	Ø 110 Ø 160	28 698 28 699
Connection flange		Outer diameter Ø (mm)	Art. no.
in PE	<p>Compatibility: For KESSEL plastic fittings; for lifting station <i>Aqualift F XL</i></p>	Ø 90	28 713
	<p>Compatibility: For KESSEL plastic fittings; for <i>Aqualift F Basic</i> and <i>Aqualift F XL</i>; also in combination with closure valve Art. no. 28 715</p> <p>Function: Spigot end for DN 100 pressure pipe connection</p>	Ø 110	28 712
Manual diaphragm pump 1 1/2 inch			Art. no.
Manual diaphragm pump in cast iron	<p>Compatibility: For manually pumping wastewater; for lifting station <i>Aqualift F Mono / Duo</i> and <i>Aqualift F XL</i></p> <p>Inclusive: With a ball valve on inlet and outlet side</p>		28 680
Flange adaptor		Outer diameter Ø (mm)	Art. no.
in PE	<p>Compatibility: From KESSEL fitting to standard flange; for lifting station <i>Aqualift F XL</i></p>	DN 80	28 714
in cast iron	<p>Compatibility: For use with cast iron pressure pipes; for lifting station <i>Aqualift F XL</i></p> <p>Function: Adaptor from DN 80 to DN 100</p> <p>Inclusive: Flange according to DIN 2501</p>	-	28 068

Accessories

		Outer diameter Ø (mm)	Art. no.
Backflow preventer			
in cast iron	<p>Compatibility: For lifting station <i>Aqualift F XL</i></p> <p>Inclusive: DN 80 flange according to DIN 2501, backflow preventer with flap and flap opening lever</p>	DN 80	28 021
			
Connection adaptor			
in cast iron	<p>Compatibility: For connection from lifting station <i>Aqualift F XL</i> to on-site pressure pipe. Fits PE pressure pipes</p> <p>Inclusive: Flange according to DIN 2501, single gasket</p> <p>Outer diameter: DN 80: OD 90 mm DN 100: OD 110 mm</p>	Ø 90	28 067
			
		Ø 110	28 020
			
Gate closure valve			
in cast iron	<p>Compatibility: For lifting station <i>Aqualift F XL</i></p> <p>Inclusive: DN 80 flange according to DIN 2501, gate closure valve including closure wheel</p>	DN 80	28 041
			
Y-Coupling			
in cast iron	<p>Compatibility: For lifting station <i>Aqualift F XL</i></p> <p>Inclusive: DN 80 (OD 80 mm) flange according to DIN 2501</p>	Ø 80	28 042
			
Sealing gasket			
Sealing gasket (rubber)	<p>Compatibility: Flange according to DIN 2501, for pressure pipe connections; for lifting station <i>Aqualift F XL</i></p>	DN 80 DN 100	28 043 28 044
			
Bolt set M16	<p>Compatibility: For Art. no. 28 043 and 28 044</p> <p>Inclusive: 4 bolts, 4 nuts, 8 washers</p>		28 078