

KESSEL Aqualift® F Lifting Station

For wastewater with or without sewage.

With or without closure valve

Illustration & Dimensioned Drawing	Article Description	Power	Voltage	Article #																		
	<p>KESSEL Aqualift® F Lifting Station For wastewater with or without sewage. For installation in frost free rooms</p> <p>Consists of: Polyethylene storage chamber, chamber volume approx. 50 liters, pumping volume approx. 20 liters, with air pressure switching device, clean-out opening, Ø 110 inlet connection (inlet height 180 mm), Ø 75 ventilation connection, Ø 40 connection for emergency foot pump.</p> <p>With single vaned pump for pumping wastewater with or without sewage (40 mm open channel passage). Pump is rated submersible (IP 68). Power cable length - 5 m.</p> <p>Vertical or lateral Ø 110 outlet with integrated non-return valve. Connection coupling included.</p> <p>Control unit for fully automated pump operation, control unit is splash proof (400 V control unit rated IP 65, 230 V control unit rated IP 54), wall mounted.</p> <p>Total weight - approx 44 kg</p>	<p>Vertical Outlet (without closure valve):</p> <table border="1"> <tr> <td>1,1 kW</td> <td>400 V</td> <td>28 645</td> </tr> <tr> <td>1,1 kW</td> <td>230 V</td> <td>28 646</td> </tr> <tr> <td>2,2 kW</td> <td>400 V</td> <td>28 647</td> </tr> </table> <p>Lateral Outlet (with closure valve):</p> <table border="1"> <tr> <td>1,1 kW</td> <td>400 V</td> <td>28 644</td> </tr> <tr> <td>1,1 kW</td> <td>230 V</td> <td>28 648</td> </tr> <tr> <td>2,2 kW</td> <td>400 V</td> <td>28 649</td> </tr> </table>			1,1 kW	400 V	28 645	1,1 kW	230 V	28 646	2,2 kW	400 V	28 647	1,1 kW	400 V	28 644	1,1 kW	230 V	28 648	2,2 kW	400 V	28 649
	1,1 kW	400 V	28 645																			
1,1 kW	230 V	28 646																				
2,2 kW	400 V	28 647																				
1,1 kW	400 V	28 644																				
1,1 kW	230 V	28 648																				
2,2 kW	400 V	28 649																				

	<p>KESSEL Aqualift® F Duo Lifting Station For wastewater with or without sewage. For installation in frost free rooms.</p> <p>Consists of: Polyethylene storage chamber, chamber volume approx. 120 liters, pumping volume approx. 50 liters, with air pressure switching device, clean-out opening, Ø 110 inlet connection (inlet height 300 mm), Ø 75 ventilation connection, Ø 40 connection for emergency foot pump.</p> <p>With twin single vaned pumps for pumping wastewater with or without sewage (40 mm open channel passage). Pump is rated submersible (IP 68). Power cable length - 5 m.</p> <p>Vertical or lateral Ø 110 outlet with integrated non-return valve. Connection coupling included.</p> <p>Control unit for fully automated pump operation, control unit is splash proof (400 V control unit rated IP 65, 230 V control unit rated IP 54), wall mounted.</p> <p>Total weight - approx 84 kg</p>	<p>Vertical Outlet (without closure valve):</p> <table border="1"> <tr> <td>1,1 kW</td> <td>400 V</td> <td>28 652</td> </tr> <tr> <td>2,2 kW</td> <td>400 V</td> <td>28 634</td> </tr> </table> <p>Lateral Outlet (with closure valve):</p> <table border="1"> <tr> <td>1,1 kW</td> <td>400 V</td> <td>28 659</td> </tr> <tr> <td>2,2 kW</td> <td>400 V</td> <td>28 631</td> </tr> </table>			1,1 kW	400 V	28 652	2,2 kW	400 V	28 634	1,1 kW	400 V	28 659	2,2 kW	400 V	28 631
	1,1 kW	400 V	28 652													
2,2 kW	400 V	28 634														
1,1 kW	400 V	28 659														
2,2 kW	400 V	28 631														

<p>KESSEL Product Advantages:</p>	<p>Additional inlets attached easily on-site</p>		<p>Chamber designed for space saving corner installation</p>
--	---	--	---

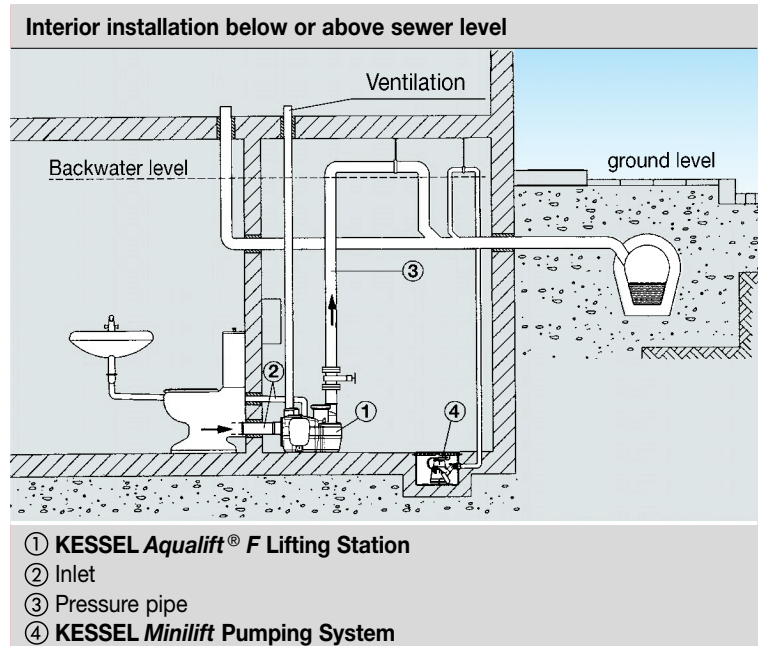
KESSEL Aqualift® F Lifting Station

For wastewater with or without sewage.

With or without closure valve

Product Advantages of Aqualift F:

- Easy inlet connections (fits standard 180 mm toilet connection), includes connection outlets for ventilation and emergency foot pump.
- Connection of additional inlets up to size **DN 150** possible.
- Quick connection to outlet pressure pipe with included heavy - duty coupling.
- Control unit provides fully automated operation with Manual - Off - and Automatic settings. Optical and audible alarms, detailed operation and warning display, adjustable pump start and stop wastewater levels.
- Pneumatic pressure switch provides problem free operation.
- Maintenance friendly polyethylene chamber.
- 230 V models are plug - in - ready.

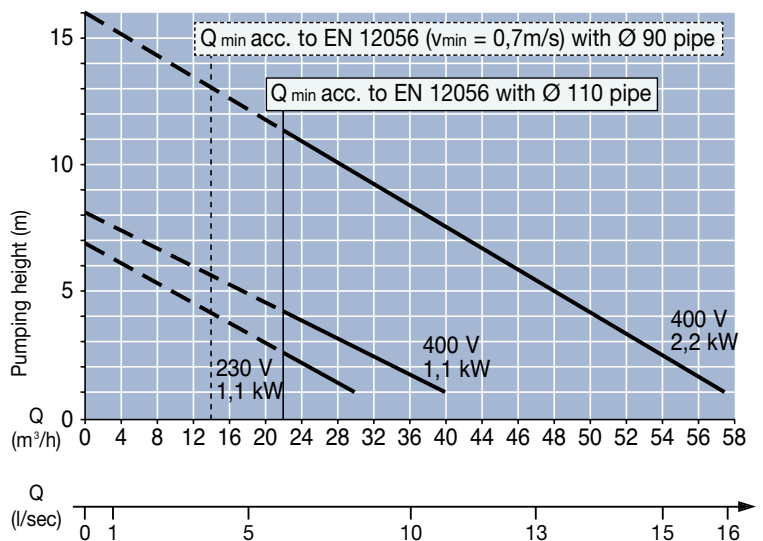


Product Advantages of Aqualift F Duo:

Advantages include those of Aqualift F and also include:

- Space saving installation with **DN 100** main inlet connection on top of chamber.
- Alternating pump operation during standard flow rates.
- Simultaneous pump operation during high flow rates.
- Additional inlets (up to size **DN 150**) connectable by drilling out extra inlet holes.

Pump Performance Diagram Aqualift F



Type	400 V - 1,1 kW	400 V - 2,2 kW	230 V - 1,1 kW
Power (P2)	1,1 kW	2,2 kW	1,1 kW
Intake Power (P1)	1,4 kW	2,7 kW	1,7 kW
Voltage	400 V DS	400 V DS	230 V WS
Cycles	50 Hz	50 Hz	50 Hz
Amperage	2,7 A	4,9 A	7,3 A
Fuses	3 x 16 A	3 x 16 A	16 A
Cable connections	5 m length, 7 x 1,5 mm ²	5 m length, 7 x 1,5 mm ²	5 m length, 7 x 1,5 mm ²
Medium temperature	35°C	35°C	35°C
Weight (pump)	30 kg	31 kg	30 kg
Protection	IP 68	IP 68	IP 68