
FEKALIFT

LIFTING STATION



GENERAL DATA

Applications

Lifting stations for automatic collecting and pumping sewage. Its use is necessary whenever the wastewater cannot be expelled by gravity. The lifting system, with FEKALIFT 300 VM wall-mounted installation, consists of a tank made of synthetic, non-putrescible, impermeable, gas-proof and odourless material, with a single-stage centrifugal pump that starts up automatically when the water level rises to about 8 cm, and stops when it drops to about 4 cm. The integrated grinder minces all solid substances found in the wastewater, so as to enable their passage through pipes of small diameter (25 mm ID). The FEKALIFT 300 VM tank is equipped with a horizontal WC delivery pipe DN 100, a lateral wastewater delivery pipe DN 40 (optional) and a revolving delivery union DN 28 with integrated non-return valve. The non-return valve in the delivery union prevents backflow in the tank's delivery pipe. Moreover, the cover of the lifting system is equipped with a ventilation and bleed device. This lifting station can be used wherever a toilet is required on the site of new installations, structural renovations and modifications. Depending on the model, a shower, bidet and washbasin can be connected in addition to the WC.

Fekalift 300 VM can be connected to any WC designed according to European standards, equipped with horizontal outlet. The use of flush tanks equipped with water saving flush button is recommended. The attractive design, innovative technique and quality of workmanship make FEKALIFT 300 VM an indispensable component when installing an additional toilet below or above the backwater level (according to DIN 1986). The Fekalift 300 VM system is suitable for water temperatures up to 60°C and is resistant to the action of moderately acid substances. Do not allow wastewater containing greasy or oily substances to flow into the system.

Constructional Characteristics

The motor, powerful yet noiseless, the pump and the grinding device are made of stainless steel.

The integrated pump purifying system makes the station practically maintenance-free. Easy to install, it is also designed for connection of a shower base with 12 cm drain height.

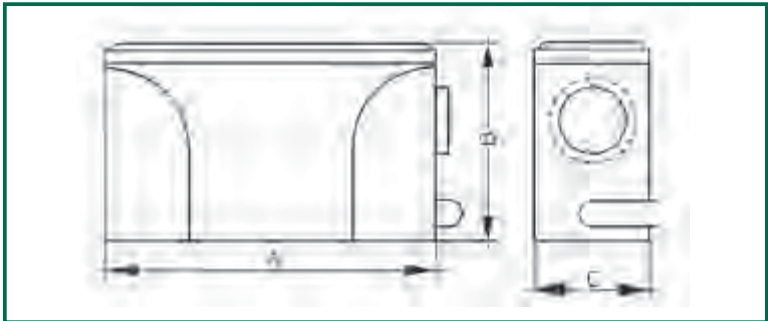
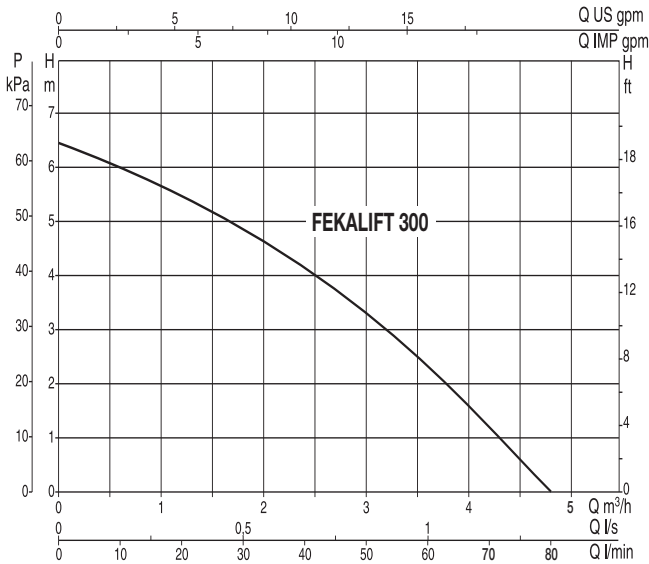
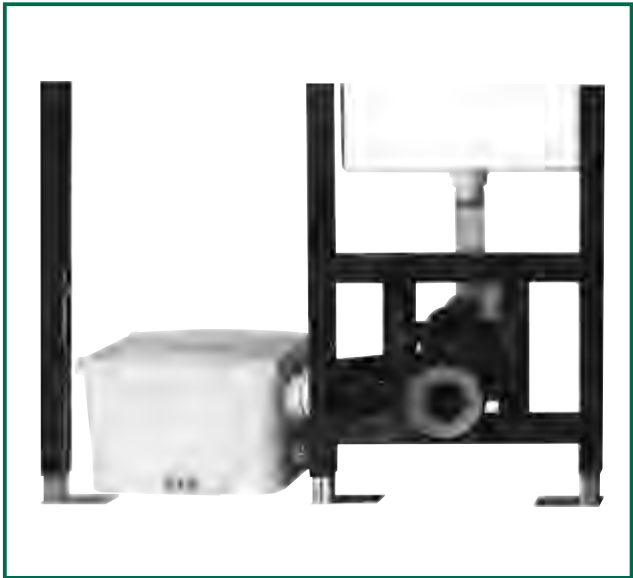
The forced side duct with built-in no-return valve allows the cover to be removed without having to remove the delivery pipe.

TECHNICAL DATA

- Delivery pipe: 1" (DN25)
- Power input: 230V/1Ph, 50Hz
- Power: 650 Watt
- Rated current: 2,1 A
- Motor protection: IP 44
- Speed of rotation: 3000 1/min.
- Max head H: 8 m
- Max flow Q: 80 l/min
- Delivery pressure: 0,9 bar
- Cable length: 1.5m with plug
- Weight: 7,0kg
- Capacity: 9 lt.



The performance curves are based on the kinematic viscosity values = 1 mm²/s and density equal to 1000 kg/m³. Curve tolerance according to ISO 9906.



MODEL	A	B	C
FEKALIFT 300	377	275	177

MODEL	ELECTRICAL DATA					HYDRAULIC DATA (n ≈ 2800 1/min)					
	VOLTAGE 50 Hz	P2 NOMINAL		In A	Q m³/h l/min	0	0,6	1,2	1,8	3	3,9
		kW	HP			0	10	20	30	50	65
FEKALIFT 300	1x230 V ~	0,65	0,88	2,1	H (m)	6,5	6,1	5,7	5	3,2	1,7