



*Engineered
Quality*



DRAINAGE PUMPS K

wastewater

fire & rescue, professional domestic applications

up to 330 l/min, up to 11 m

Robust Quality.

MAST drainage pumps K are designed for demanding applications. Robust electric motor encapsulation of stainless steel and impact-resistant, glass-fiber reinforced plastic housing and triple times shaft seal for a long life.

✓ Powerful

With a flow rate of up to 330 l/min they are optimized for maximum performance at low power consumption and easy operating weight. They are among the most powerful, yet lightest pumps in its class.

✓ Versatile

MAST drainage pump K are suitable for clear and wastewater containing solids up to 10 mm grain size. They are available for mobile use without float switch, and the shaft installation with ball float switch or a fully installed float switch with an overflow alarm.

✓ Overload protection

The built-in thermal winding protection switches the pump off at risk of overheating. An electric motor damage due to overload is excluded.

✓ Temperature resistant

permanently applicable at 45°C, or up to 3 min. up to 80°C for pumping high temperature water from the washing machine.

✓ Resistent

The 3-acting shaft seal and all other gaskets are in mineral oil resistant NBR quality. The pumps can therefore also be used for the pumping of mineral oil at room temperature (in compliance with statutory regulations).

✓ Long lasting

Mast drainage pump K are corrosion resistant submersible pumps made of shockproof, 30% fiberglass reinforced hard plastics and robust electric motor encapsulation of stainless steel 1.4301 (V2A). The rotor shaft is made of stainless steel 1.4221 (V2A). The connecting cable is designed in certified H07RNF quality for heavy duty.

✓ Robust cable entry

With very good adhesion between the cable and seal kit. No use of sealants such as Silicone.

✓ Premium quality

MAST drainage pumps are designed and manufactured in Germany.

Alarm contact warns against the risk of flooding.

Built-in float switch

Manual-/ Automatic switch

Alarm horn (80 dB)



Removable non-return valve (standard at types with ball float switch and built-in float switch)

Stainless steel motor housing

Fiberglass hard plastic body

Illustration type „SA“

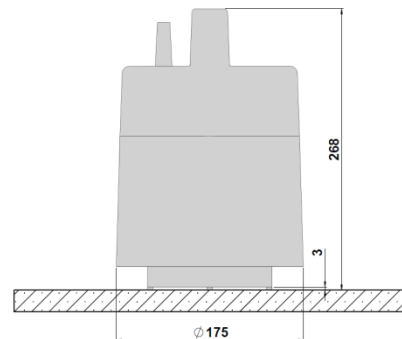
Powerful diversity.

MAST dewatering pumps are submersible pumps for drainage of waste water. They can be used for drainage of shafts and pits, for pumping out of containers, and for many other purposes. Due to their low weight, they are also ideal for mobile use when quick help is needed.



Low level pumping.

MAST drainage pumps are suitable for low water pumping (all versions). After removing the strainer (user-friendly snap closure), the pump can be placed directly on the floor for low level pumping down to 3 mm. A prior filling is not required.



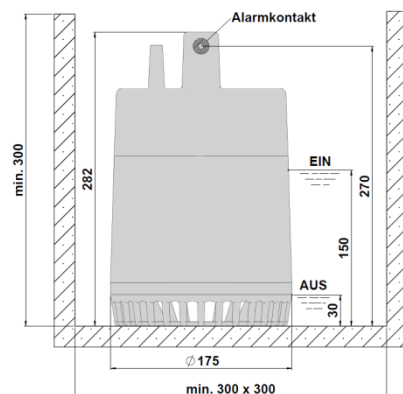
Low level pumping with removed strainer (dimensions in mm)

Fully built-in float switch with flood alarm.

The K-series type "SA" with fully built-in float switch and flood alerts are for installation in domestic wastewater shafts. They have a built-in plug-acoustic flood alarm that warns against the risk of flooding.

Running in automatic mode, automatic pumping starts at about 15 cm water level and stops at about 3 cm. When the pump is totally flooded (inflow pump performance above) to acoustic alarm signal (80 dB) warns against the risk of a floor flooding.

By pressing the rocker switch the pump can be switched on manually at low water level. A removable non-return valve is included.



Installation scene type „SA“ with fully built-in float switch (dimensions in mm)

Always ready for use.

MAST drainage pumps K are available as pump set K 5 (without float switch) and K 5 S (with float switch), a ready for use set including pump (max. 330 l/min, max. 11 m) and premium accessories like high-quality fire hose and robust tether. The pump sets are stackable. The total weight is only 12 kg.

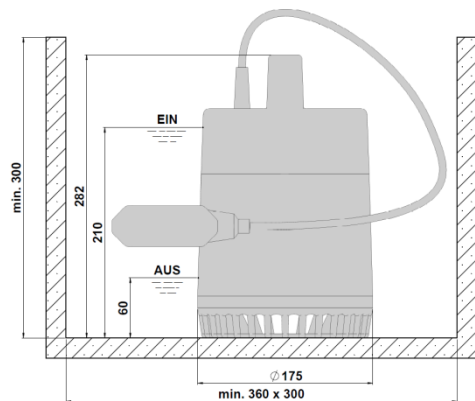
The pump set includes:

- 1 pc. drainage pump K 5 or K 5 S
- 1 pc. C-Storz connection
- 1 pc. 10 m fire hose C-Storz acc. to DIN 14 811
- 1 pc. 5 m tether
- 1 pc. storage box 40 x 30 x 32 cm.



Easy installation.

The robust versions type „S“ with ball float switch are suitable for dewatering waste water from shafts and pits. The ball switch float is mounted on a solid swivel to ensure long-lasting switching operation. It switches reliable even when coated with dirt.



Installation scheme of type „S“ with ball float switch (dimensions in mm).

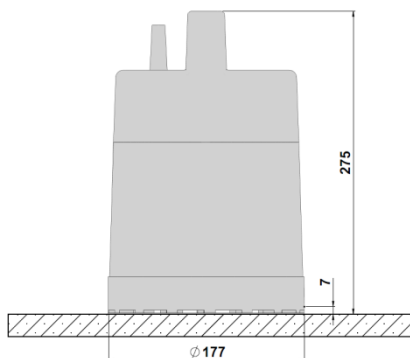


Low level pumping.

The version „K 2 F“ is specially designed for low water level pumping. A filling prior to the application is not necessary. The pump is self-priming from the beginning, and therefore immediately applicable. It starts pumping at a water level of ca. 7 mm only.

The resistant baseplate is made of stainless steel 1.4301. It allows a stable stand on the floor and a low wear at frequent use.

The liquid input is only sideways to prevent the pump from adhere at instable floors as e.g. groundsheets. A removable non-return valve is included.



Low level pump type K 2 F (dimensions in mm)

Technical Data.

MAST Drainage pumps are available in 3 power levels and 3 types, and as low level pump.

Type		K 2 F	K 2 K 2 S K 2 SA	K 3 K 3 S K 3 SA	K 5 K 5 S K 5 SA
Protection class		DIN EN 60529 - IP 68			
Voltage	V	230			
Power	P W	700	430	650	810
Rated current	A	3,3	2,1	3,1	3,7
Grain passage	Ø mm	4	10		
Discharge connection		G 1 1/4" Innengewinde			
Wire	H07RN-F	10 m 3G1,0 (Ausführung SA 4G1,0)			
Plug		Schuko IP 44			
Fluid temperature	°C	max. 45°C (bis 3 Min. max. 80°C)			
Total weight	kg	7	5	6	7
Dimensions	mm	Ø 177 x H 275	Ø 175 x H 282		

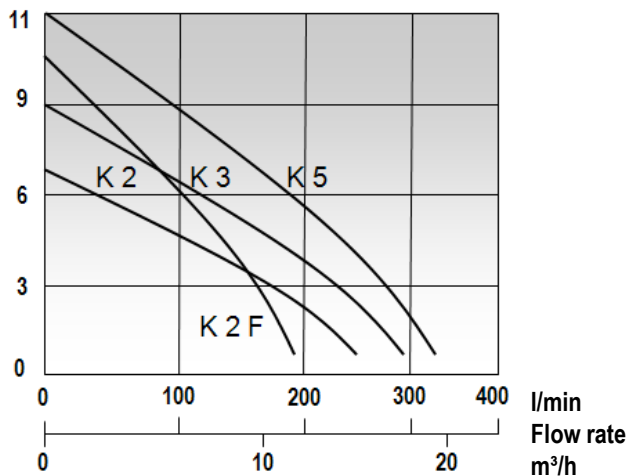
Type „F“ : Low level pump

Type „ S“ : with ball float switch

Type „SA“: with built-in float switch and flood alarm

Typ	flow rate Q l/min. at flow height H meter					
	0	3	5	7	9	11
K 2 F	200	170	130	90	20	0
K 2, K 2 S, K 2 SA	250	160	90	0		
K 3, K 3 S, K 3 SA	300	230	170	90	0	
K 5, K 5 S, K 5 SA	330	270	210	150	80	0

Flow height meter



The company.

The MAST PUMPEN company was established in 1948 and is still intergenerational owner-operated.

Decades of experience combined with cutting-edge technologies form a synthesis that produces exceptional products.

Computer Based developed and produced on the latest CNC machines, MAST pumps fulfill all the demands placed on a quality product. MAST pumps are designed and manufactured in Germany.



MAST PUMPEN GmbH
Pump manufacturer
Mörikestr. 1
DE-73773 Aichwald
Telefon +49 711 936704-0
Fax +49 711 936704-30
info@mast-pumpen.de
www.mast-pumpen.de