PENTAIR JUNG PUMPEN

PRIOX F

DRENA-LINE DIRTY WATER



- Completely in stainless steel
- 50 mm free passage
- 2" female thread
- Automatic airventing
- Submersible ball switch
- SiC mechanical seal
- Thermal protection build in motor winding

DESCRIPTION

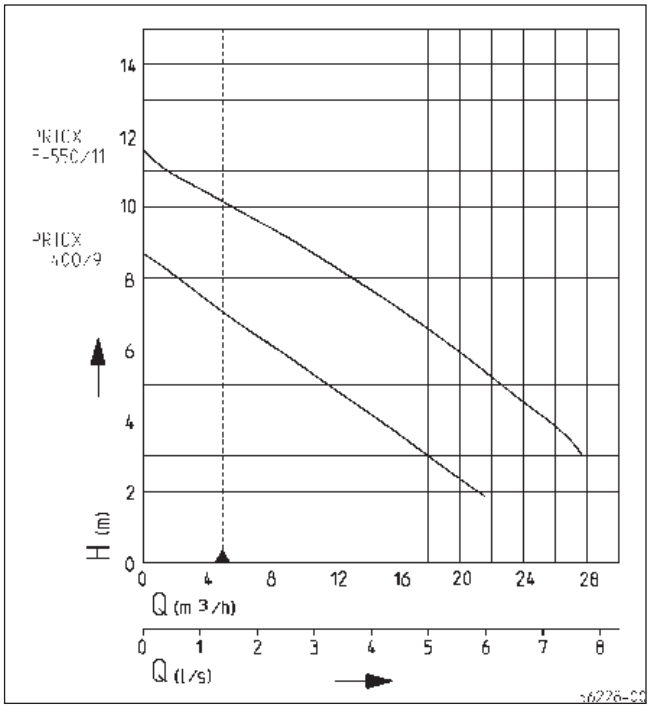
The Priox F series submersible pumps are used wherever particularly heavily contaminated wastewater needs to be pumped. The 50 mm free passage allows solids and fibers to be pumped quickly and without clogging.

For use in deep sumps, we recommend a guide rail system, which allows the pumps to be easily removed from the sump for maintenance or visual inspection.

APPLICATIONS

- Lifting stations with one or more pumps for agricultural and civil use.
- Disposal of wastewater and sewage with fibrous substances and solids.
- Drainage of basements, garages, and commercial properties.
- Pumping of wastewater, rainwater, and seepage water from sumps and tanks.
- Disposal of graywater, including from commercial washing machines and dishwashers.
- Use in industry, plant and equipment construction.

PERFORMANCE



Type	Delivery head H [m]	2	3	4	5	6	7	8	9	10	11
PRIOX F-400	Flow rate Q [m^3/h]	21.0	18.0	15.0	11.7	8.4	5.0	2.2			
PRIOX F-550		29.0	27.5	25.5	22.5	19.7	16.7	13.2	9.5	5.5	1.5

Specifications can be changed without notice. Performance subject to ISO 9906 tolerances.

The minimum flow velocity in the pressure piping must be 0.7 m/s according to EN 12056.
This data is represented in the performance curve as a limit of application.

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SCOPE OF SUPPLY

Pump according to EN 12050 ready for connection with 10 m cable and submersible ball switch.

MECHANICAL DATA

Pump	Vertical single-stage	Shaft	Stainless steel X5 CrNi 1810 (AISI 304)
Free passage	50 mm		
Bearing	Ball bearings, grease-lubricated	Impeller	Stainless steel X5CrNi18-10 (AISI 304)
Seal on motor side	Rotary shaft seal	Pump housing	Stainless steel X5 CrNi 1810 (AISI 304)
Oil chamber	Yes		
Seal on medium side	SiC mechanical seal	Pressure outlet	IG 2"
		Diving depth	7 m

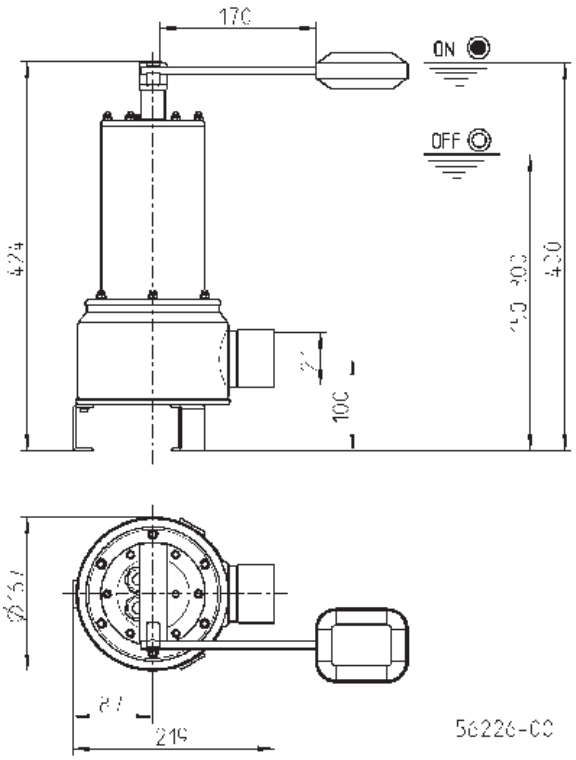
ELECTRICAL DATA

Ciruit	With built-in level control	Insulation class	F
Voltage	1/N/PE~230 V	Plug	Safety
Power line	10m H07RN-F	Rotation speed	2800 rpm
Type of enclosure	IP 68		

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Type	**Code No.**	Motor rating		Current	Weight
		P1	P2		
PRIOX F-400	**N2091240**	1.0 kW	0.66 kW	4.4 A	11.0 kg
PRIOX F-550	**N2091250**	1.5 kW	1.00 kW	7.0 A	11.5 kg

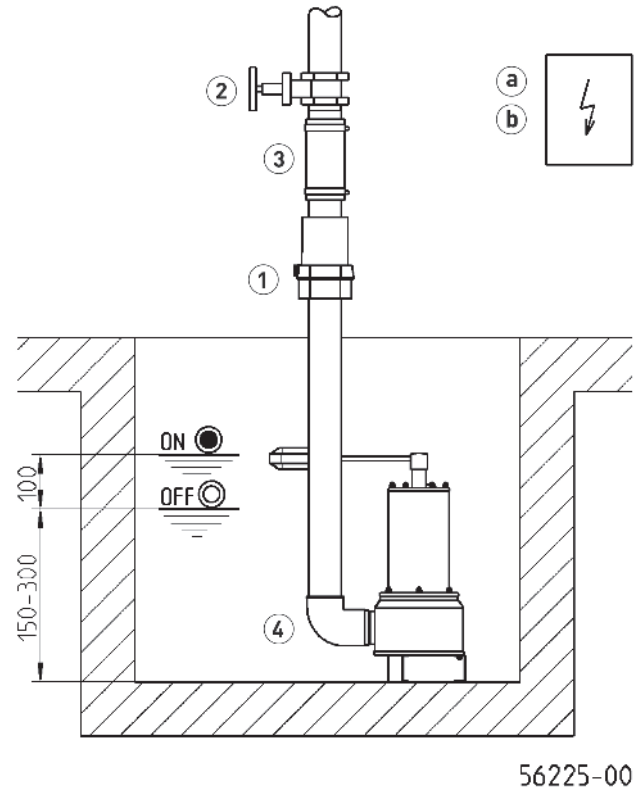
Main dimensions and switching heights



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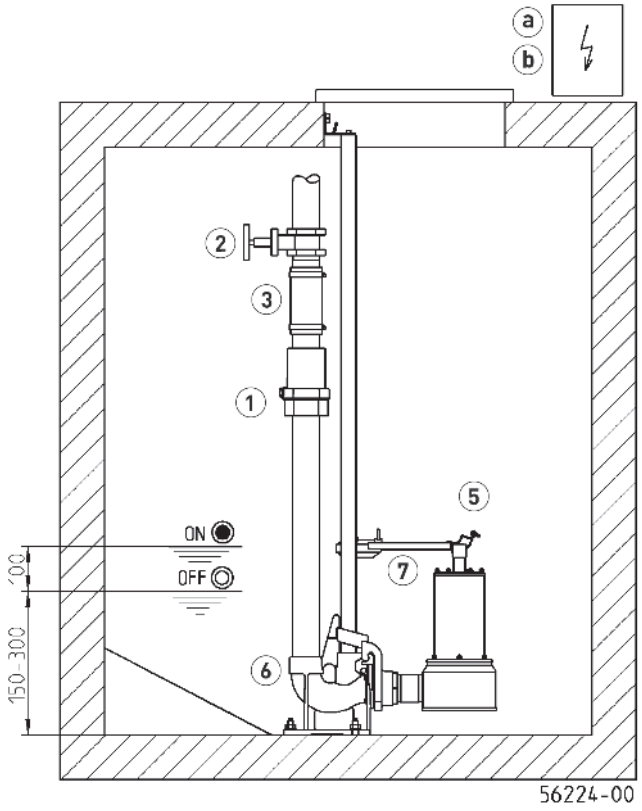
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Installation example of feet



Single unit: sump area 40x50 cm

Installation example with sliding tube system

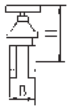


Single unit 2" with GR 50 S: sump area min. 40x65 cm
Single unit 2" without GR: sump area min. 40x50 cm

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MECHANICAL ACCESSORY

				Code No.
	① **Swing-type check valve**			
	R50 EN 12050-4	2" (DN 50), PN 4	150x120 (HxB)	**JP00326**
	**Ball-type check valve**			
	K50 EN 12050-4	2" (DN 50), PN 6	185x155 (HxB)	**JP44782**
	② **Stop valve**	brass, 2" (DN 50), PN 16	140x70 (HxB)	**JP44787**
	③ **Elastic connection**	+ Hose band clamps, 2" (DN 50), PN 4	150x63 (HxD)	**JP50903**
	④ **Elbow**	2"		**JP44771**
	⑤ **Chain**	certified, 2.5 m, 320 kg, 5 rings (EN 818 mod.)		**JP45901**
		certified, 5.0 m, 320 kg, 8 rings (EN 818 mod.)		**JP45902**
		certified, 7.5 m, 320 kg, 11 rings (EN 818 mod.)		**JP47365**
	⑥ **Guide rail system**	GR 50		**JP25593**
	⑦ **Securing levers**	for Priox F		**JP50937**

ELECTRICAL ACCESSORY

			Code No.
	ⓐ **Alarm unit**		
	AG3	subm. ball contact switch, mains dependent, potential-free contact,3 m cable	**JP44891**
	AG10	subm. ball contact switch, mains dependent, potential-free contact, 9.5 m cable	**JP44892**
	ⓑ **Rechargeable battery**	9 V, for mains independent alarm	**JP44850**