PENTAIR JUNG PUMPEN



MULTIDRAIN UV3

SUBMERSIBLE DRAINAGE PUMPS

- High quality stainless steel design
- Especially suitable for mobile
- Free passage 10 mm
- Cooling jacket for motor housing
- Discharge branch vertical 11/4"
- · Flushing device
- Self ventilation
- · Moisture sealed cable inlet
- Fluid temperature 35 °C, temporarily 70 °C (10 min.)



DESCRIPTION

The Multidrain UV3 is a versatile submersible drainage pump made of stainless steel for portable and stationary use. It pumps rainwater, lightly submersible polluted water and domestic wastewater from e.g. household dishwashers or washing machines (also high temperature).

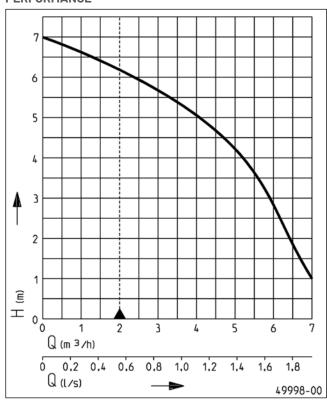
An easy-to-activate flushing device to reduce deposits in the pump sump ensures trouble-free operation and facilitates maintenance.

Motor jacket cooling ensures submerged operation without the risk of overheating. In case of dry running, the thermal motor protection switches off the pump before reaching a critical temperature. These protective measures, plus the swing-type check valve and a hose connection included in the scope of delivery, make the Multidrain UV3 a perfect pump for mobile applications.

In stationary use, the Multidrain UV3 S with automatic switch removes water from drainage shafts in cellars, washing basements or storage rooms and serves as a backflow protection. If the shaft or container should runs dry temporarily, air cushions can escape through the ventilation opening. When the strainer base is removed, the pump removes the water down to a level of 5 mm.

If submersible pumps are used outdoors, only a pump with 10 m cable without extension cable may be used in accordance with VDE Regulation 0100. For construction sites and garden ponds, a H07-type cable must be used.

PERFORMANCE



Туре	Delivery head H[m]	1	2	3	4	5	6
UV3	Flow rate Q[m³/h]	7.0	6.4	5.9	5.2	4.1	2.6

We reserve the right to change specifications without notice. Pump performance is 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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SUBMERSIBLE DRAINAGE PUMPS

SCOPE OF SUPPLY

Pump ready to connect according EN 12050 with vertical discharge, 11/4" female connection elbow, cable and plug, swing-type check valve for mobile use, graded hose connection 1

 $\mbox{\ensuremath{\mbox{\sc V4}}"}$ – 38/32/25,float fixation, locking plug (UV3S/3SF) S model with automatic level float switch.

MECHANICAL DATA

Pump	Vertical single-stage	Run dry protection	Yes
Free passage	10 mm	Shaft	Stainless steel
Bearing	Ball bearings, grease-lubricat-	Impeller	Vortex impeller, GFK
	ed	Motor housing	Stainless steel
Seal on motor side	Rotary shaft seal	Pump housing	Stainless steel
Oil chamber	Yes	Submersible	Yes
Seal on medium side	2-fold rotary shaft seals		

ELECTRICAL DATA

Pump voltage	1/N/PE~230 V	Insulation class	F	
Motor rating P1	0.34 kW	Winding thermostat	Yes	
Motor rating P2	0.23 kW	Motor protection	Integrated	
Current	1.5 A	Plug	Safety	
Type of enclosure	IP 68			

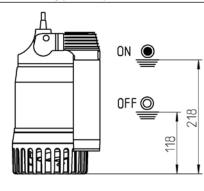
MULTIDRAIN UV3

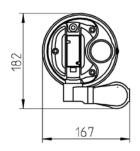
Туре	Code No.	Power line	Wires	Weight
Without level control UV3, 10 m cable	JP50248	10m H05RN-F	3G0,75	5.3 kg
With built-in level control				
UV3 S, 4 m cable	JP50249	4m H05RN-F	3G0,75	4.6 kg
UV3 S, 10 m cable	JP50312	10m H07RN-F	3G1,0	5.5 kg
UV3 SF, 10 m cable	JP50313	10m H07RN-F	3G1,0	5.5 kg

Dimensions and switching points UV3 S (mm)

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Dimensions and switching points special float UV3 SF (mm)



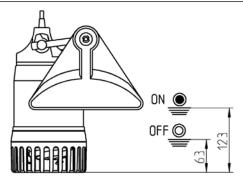


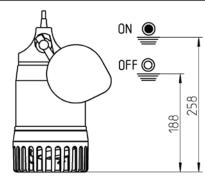
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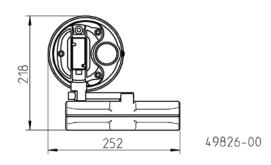
SUBMERSIBLE DRAINAGE PUMPS

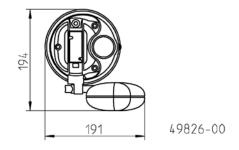
Dimensions and switching points special float UV3 S (mm)

Dimensions and switching points special float UV3 S (mm



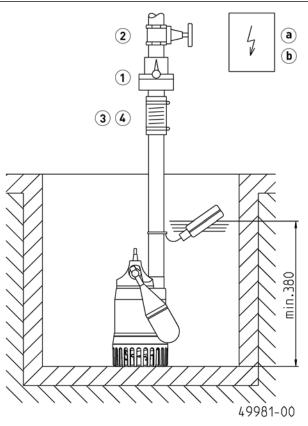


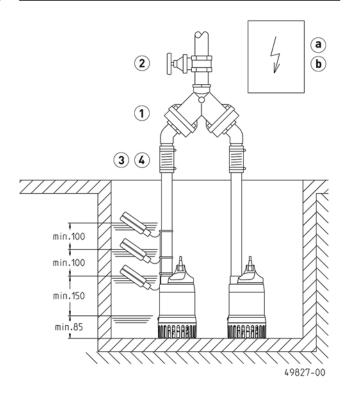




Example of single pump installation

Example of duplex installation





SUBMERSIBLE DRAINAGE PUMPS

Single unit: sump area 30x30 cm

Duplex unit: sump min. 50x50 cm

In case of installation beneath the backpressure level the pressure tube must be taken in a loop over the local backup level acc. to EN 12056. Besides, it must be secured with an EN

12050-4-proofed swing-type check valve. Additionally we recommend an alarm system. In accordance with EN 12056-4 section 5.1, it has a built-in automatic spare pump or a double attachment included, which ensures that sewage drainage is not interrupted. Suspend control unit in a dry room

MECHANICAL ACCESSORY

				Code No.
B	1 Swing-type check valve R32 EN 12050-4 R40 EN 12050-4	1½" (DN 32), PN 4 ½" (DN 40), PN 4	90x90 (HxB) 150x120 (HxB)	JP09739 JP00317
高 目	2 Stop valve	11/4" (DN 32), PN 16	110x60 (HxB)	JP44785
B.		brass, 11/2" (DN 40), PN 16	125x60 (HxB)	JP44786
	Ball valve	11/4", PVC, for aggressive media	105x155 (HxB)	JP46111
=	3 Elastic connection	11/4" (DN 32), PN 3	100×42 (HxD)	JP44773
O	4 Hose band clamp	11/4"		JP44765
	5 Hose coupling Hose coupling	11/4" (DN 32) brass, for transportabl	e use	JP00327
	6 Hose set	11/4" (DN32), 15 m PVC hose c/w el	bow	JP43550
	7 Special float	for lower switching points		JP44795
		for narrow chambers (mind. 30x30	0 od Ø30 cm)	JP40856
	8 Connection kit	DN 32, with telescopable pressure	e pipe 30-90 cm	JP44609

\larm unit			Code No
	PTS.SA1	Level alarm system with battery backup 320x240x150mm (WxDxH)	PTS.SA
A A	PTS.HLA	High Level alarm unit. 182x180x111mm (HxWxD)	PTS.HL
	Power Isolation Alarm	Isolate appliance - in event of alarm no more water will be fed into the alarm system	P73-
2	Fastener for alarm switch		P28191

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ELECTRICAL ACCESSORY

			Code No.
C	Control for single units Control unit NE 1 Control unit NE 1A Control unit NE 2 Control unit NE 2A	230 V, subm. ball contact switch 3.0 m 230 V, subm. ball contact switch 3.0 m, alarm 230 V, subm. ball contact switch 9.5 m 230 V, subm. ball contact switch 9.5 m, alarm	JP16710 JP16714 JP16711 JP16715
d	Level control Weight Control for duplex units	to stabilize the subm. ball contact switch	JP44803
	Control unit BD 00 E Control unit HIGHL0G0 2-00 E	230 V, for pumps U3-U6, US 62-105, UV3, UV 300, 08/2 ME 230 V	JP45735 JP47996
e	Level control Subm. switch pack B Subm. switch pack BmG	3 subm. ball contact switch with 9.5 m and fixing devices 3 subm. ball contact switch with 9.5 m and counterweight	JP16725 JP16726
f	Rechargeable battery	for mains independent alarm	JP44850

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