

## MULTIDRAIN UV3

SUBMERSIBLE DRAINAGE PUMPS

- High quality stainless steel design
- Especially suitable for mobile use
- 10 mm free passage
- Cooling jacket for motor housing
- Discharge branch vertical 1 1/4"
- 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).

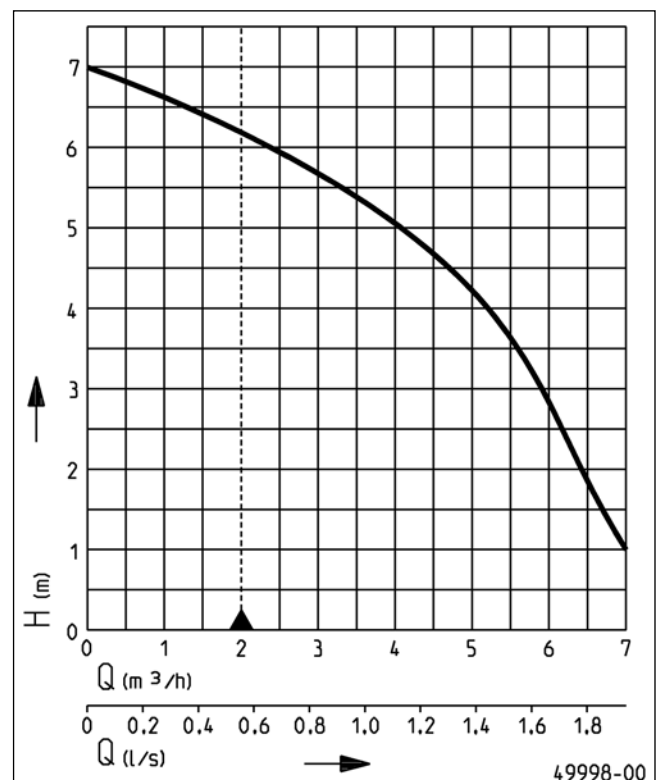
An easy-to-activate flushing device to reduce deposits in the pump sump ensures trouble-free operation and facilitates maintenance.

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 run 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



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

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.



# MULTIDRAIN UV3

## SUBMERSIBLE DRAINAGE PUMPS

### SCOPE OF SUPPLY

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

1 1/4" - 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-lubricated	Impeller	Vortex impeller, GFK
Seal on motor side	Rotary shaft seal	Motor housing	Stainless steel
Oil chamber	Yes	Pump housing	Stainless steel
Seal on medium side	2-fold rotary shaft seals	Submersible	Yes

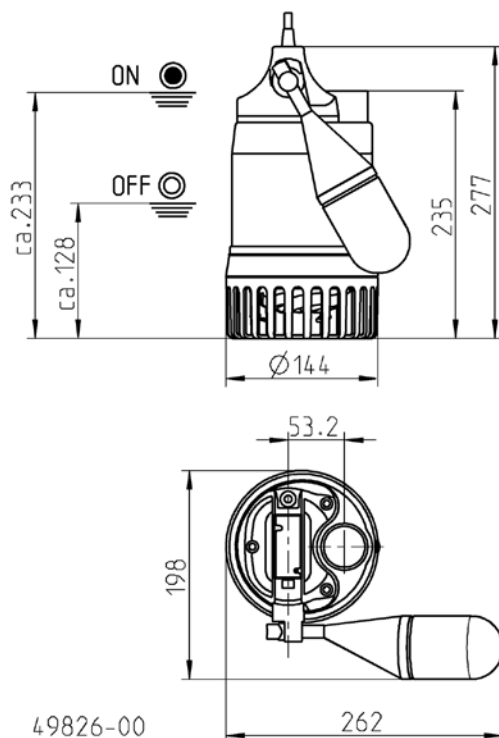
### ELECTRICAL DATA

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		

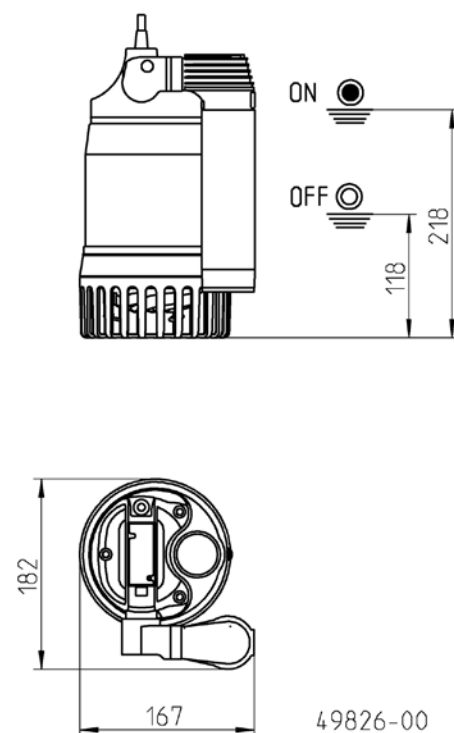
### MULTIDRAIN UV3

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

### Dimensions and switching points UV3 S (mm)



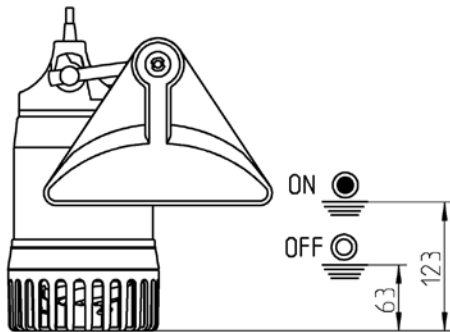
### Dimensions and switching points special float UV3 SF (mm)



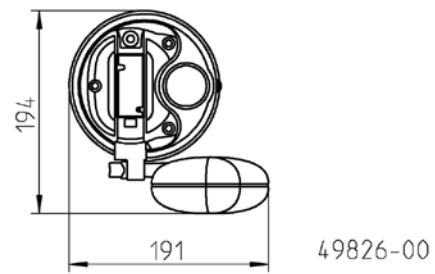
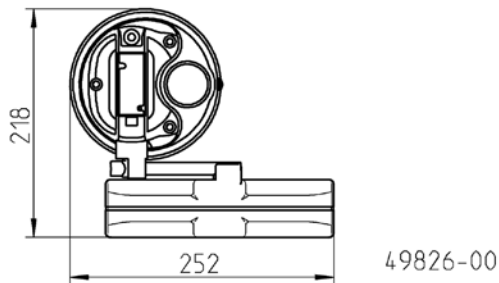
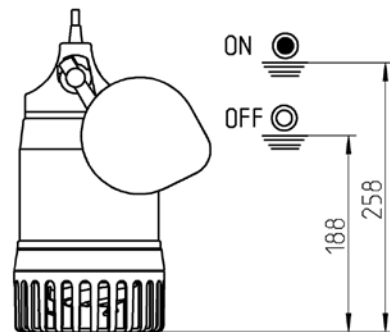
# MULTIDRAIN UV3

## SUBMERSIBLE DRAINAGE PUMPS

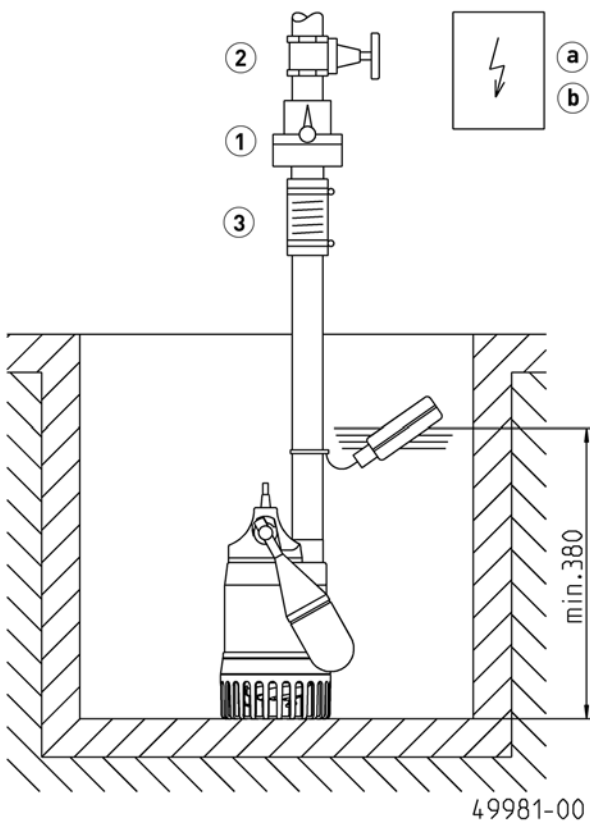
Dimensions and switching points special float UV3 S (mm)



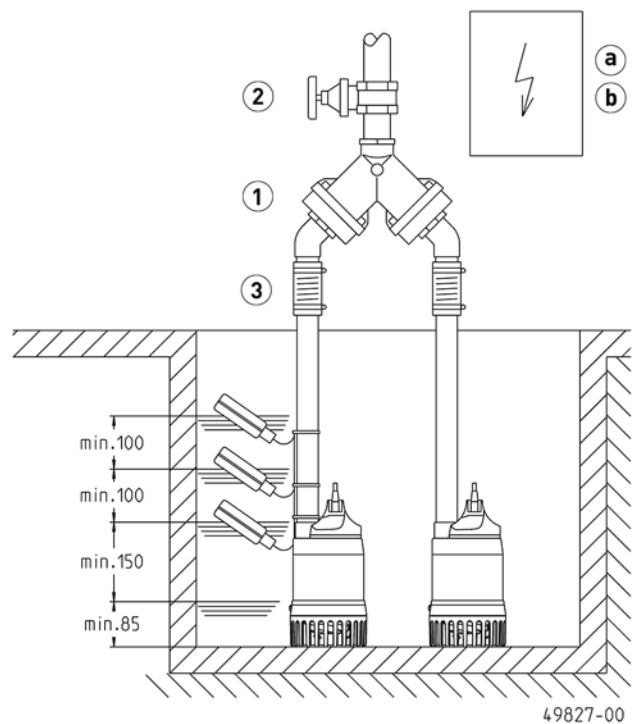
Dimensions and switching points special float UV3 S (mm)



Example of single pump installation



Example of duplex installation



# MULTIDRAIN UV3

## SUBMERSIBLE DRAINAGE PUMPS

Single unit: sump area 30x30 cm

Duplex unit: sump min. 50x50 cm












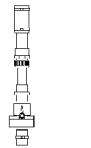
In case of installation beneath the backpressure level the pressure tube must be taken in a loop over the local backup level acc. to EN 12056. Besides, it must be secured with an EN

12050-4-proofed swing-type check valve. Additionally we recommend an alarm system.

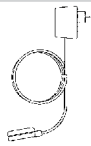
In accordance with EN 12056-4 section 5.1, it has a built-in automatic spare pump or a double attachment included, which ensures that sewage drainage is not interrupted.

Suspend control unit in a dry room

### MECHANICAL ACCESSORY

				Code No.
	<b>① Swing-type check valve</b>			
	R32	EN 12050-4	1/4" (DN 32), PN 4	90x90 (HxB) <b>JP09739</b>
	DR 40	EN 12050-4	1/2" (DN 40), PN 4	200x280 (HxB) <b>JP09155</b>
	<b>② Stop valve</b>		1/4" (DN 32), PN 16	110x60 (HxB) <b>JP44785</b>
			brass, 1/2" (DN 40), PN 16	125x60 (HxB) <b>JP44786</b>
	Ball valve		1/4", PVC, for aggressive media	105x155 (HxB) <b>JP46111</b>
	<b>③ Elastic connection</b>		+ Hose band clamps, 1/4" (DN 32), PN 3	100x42 (HxD) <b>JP50901</b>
	<b>④ Hose coupling</b>			
	Hose coupling		1/4" (DN 25) brass, for transportable use	<b>JP50849</b>
	Pressure hose		15 m, synthetic, Ø 25 mm	<b>JP50830</b>
	<b>⑤ Hose set</b>		1 1/4" (DN32), 15 m PVC hose c/w elbow	<b>JP43550</b>
	<b>⑥ Special float</b>		for lower switching points	<b>JP44795</b>
			for narrow chambers (mind. 30x30 od Ø30 cm)	<b>JP40856</b>
	Float fixation		for continuous pump operation	<b>JP42175</b>
	<b>⑦ Connection kit</b>		DN 32, with telescopic pressure pipe 30-90 cm	<b>JP44609</b>

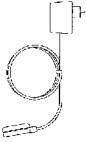





### ELECTRICAL ACCESSORY

				Code No.
	<b>a Alarm unit</b>			
	AG3		subm. ball contact switch, mains dependent, potential-free contact, 3 m cable	<b>JP44891</b>
	AG10		subm. ball contact switch, mains dependent, potential-free contact, 9.5 m cable	<b>JP44892</b>

# MULTIDRAIN UV3

## SUBMERSIBLE DRAINAGE PUMPS

### ELECTRICAL ACCESSORY

			Code No.
	<b>b Washing machine stop</b>		
	AW3	subm. ball contact switch, mains dependent, 3 m cable	<b>JP44895</b>
	<b>c Level control</b>		
	Weight	to stabilize the subm. ball contact switch	<b>JP44803</b>
	<b>d Control for duplex units</b>		
	Control unit HIGHLOGO 2-00 E	230 V	<b>JP47996</b>
	Control unit BD 00 E	230 V, for pumps U3-U6, US 62-105, UV3, UV 300, 08/2 ME	<b>JP45735</b>
	<b>e Level control</b>		
	Subm. switch pack B	3 subm. ball contact switch with 9.5 m and fixing devices	<b>JP16725</b>
	Subm. switch pack BmG	3 subm. ball contact switch with 9.5 m and counterweight	<b>JP16726</b>
	<b>f Rechargeable battery</b>		
		9 V, for mains independent alarm	<b>JP44850</b>
	<b>g Smart Home</b>		
		FTJP radio transmitter	<b>JP47209</b>