

## MULTIDRAIN UV 300

### SUBMERSIBLE DRAINAGE PUMPS



- High-quality stainless steel design
- 10 mm free passage
- Discharge vertical 1 1/2"
- Emerged operation due to motor jacket cooling (S1)
- Thermal motor protection
- Duplex mechanical seal
- Replaceable moisture sealed cable inlet

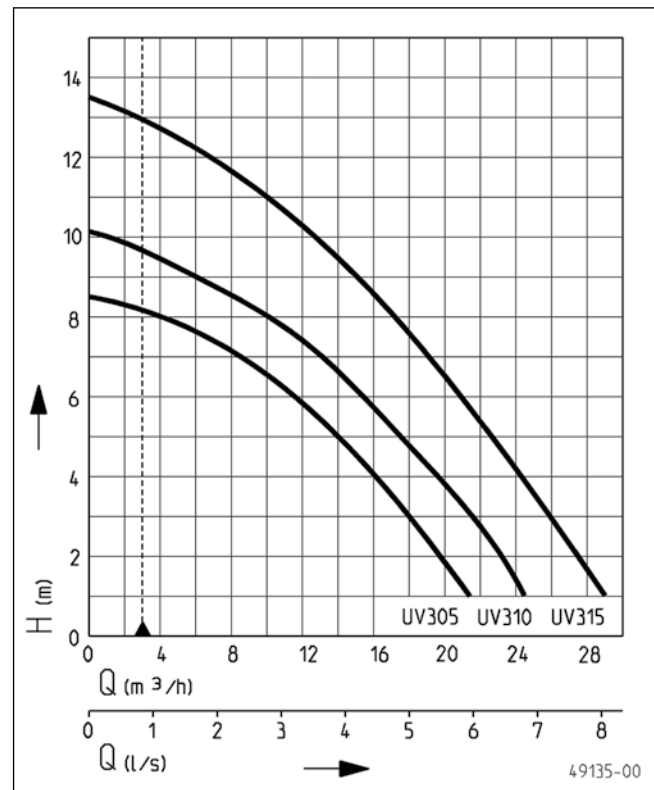
#### DESCRIPTION

The submersible drainage pumps Multidrain UV 300 can be used wherever there is dirty, rain, ground, seepage or drainage water with solids up to 10 mm. They can thus be used both in fixed installations in building drainage systems and in all transportable applications such as water extraction, emptying ponds or basins or, above all, in the removal of flooding inside and outside buildings.

The motor jacket cooling makes the pumps particularly suitable for emerged operation. A special thermal protection ensures that the pumps are not damaged even when running dry.

The pumps can be supplied either with or without a mounted submersible ball contact switch and 10 m cable.

#### PERFORMANCE



Type	Delivery head H [m]	1	3	5	7	9	11	13
UV 305-1	Flow rate Q [m³/h]	21.0	17.5	14.0	7.0			
UV 305-3		22.0	18.5	14.0	8.5			
UV 310-1		24.5	21.0	17.0	13.0	6.0		
UV 310-3		24.5	21.5	17.5	13.5	6.0		
UV 315-1		28.0	25.0	22.0	19.0	14.5	10.0	2.0
UV 315-3		29.0	25.5	23.0	19.0	15.0	10.0	3.0

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 with 10 m cable, automatic version with integrated ball-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	Stainless steel
Seal on motor side	Mechanical seal	Motor housing	Stainless steel
Oil chamber	Yes	Submersible	Yes
Seal on medium side	SiC mechanical seal	Pressure outlet	IG 1 1/2"

### ELECTRICAL DATA

Power line	10m H07RN8-F	Winding thermostat	Yes
Type of enclosure	IP 68	Motor protection	Integrated
Insulation class	F		

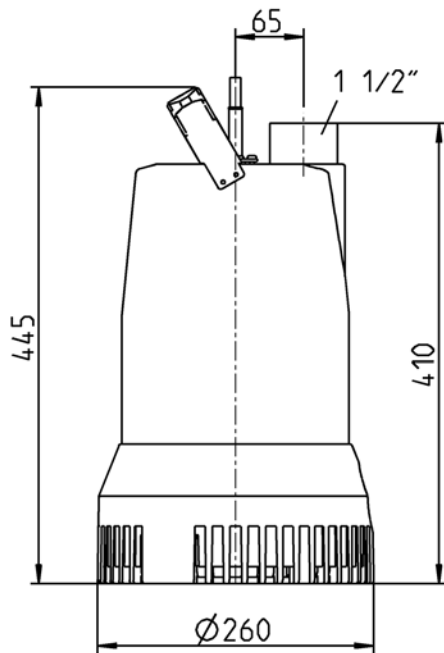
### MULTIDRAIN UV 300

Type	Code No.	Voltage	Motor rating		Current	Wires	Plug	Weight
			P1	P2				
<b>Without level control</b>								
UV 305-1	<b>JP48691</b>	1/N/PE~230 V	1.15 kW	0.88 kW	5.3 A	3G1,0	Safety	17 kg
UV 305-3	<b>JP48692</b>	3/PE~400 V	1.15 kW	0.84 kW	2.6 A	4G1,0	Without	18 kg
UV 310-1	<b>JP48695</b>	1/N/PE~230 V	1.30 kW	1.00 kW	5.8 A	3G1,0	Safety	19 kg
UV 310-3	<b>JP48696</b>	3/PE~400 V	1.35 kW	1.08 kW	3.0 A	4G1,0	Without	19 kg
UV 315-1	<b>JP48699</b>	1/N/PE~230 V	1.83 kW	1.36 kW	8.2 A	3G1,0	Safety	19 kg
UV 315-3	<b>JP48700</b>	3/PE~400 V	1.85 kW	1.45 kW	3.6 A	4G1,0	Without	19 kg
<b>With built-in level control</b>								
UV 305-1 S	<b>JP48693</b>	1/N/PE~230 V	1.15 kW	0.88 kW	5.3 A	3G1,0	Safety	18 kg
UV 305-3 S	<b>JP48694</b>	3/PE~400 V	1.15 kW	0.84 kW	2.6 A	4G1,0	CEE	18 kg
UV 310-1 S	<b>JP48697</b>	1/N/PE~230 V	1.30 kW	1.00 kW	5.8 A	3G1,0	Safety	20 kg
UV 310-3 S	<b>JP48698</b>	3/PE~400 V	1.35 kW	1.08 kW	3.0 A	4G1,0	CEE	20 kg
UV 315-1 S	<b>JP48701</b>	1/N/PE~230 V	1.83 kW	1.36 kW	8.2 A	3G1,0	Safety	20 kg
UV 315-3 S	<b>JP48702</b>	3/PE~400 V	1.85 kW	1.45 kW	3.6 A	4G1,0	CEE	20 kg

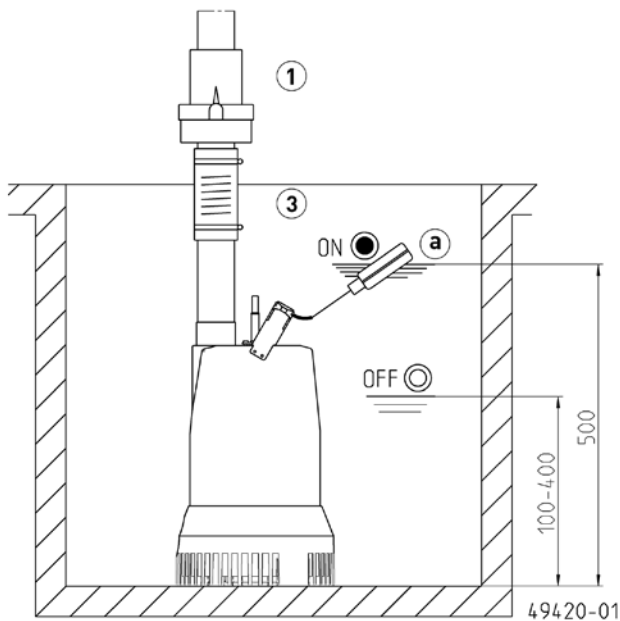
# MULTIDRAIN UV 300

## SUBMERSIBLE DRAINAGE PUMPS

### Dimensions UV 300 (mm)



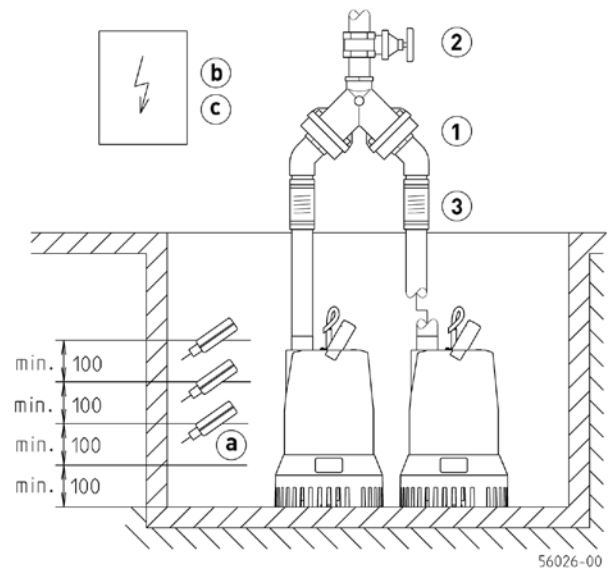
### Example of single unit installation UV 300



Single unit: sump area 40x50 cm  
 Duplex unit: sump min. 40x70 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

### Example of duplex unit installation UV 300



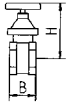




12050-4-proofed swing-type check valve. Additionally we recommend an alarm system. In accordance with EN 12056-4 section 5.1, it has a built-in automatic spare pump or a double attachment included, which ensures that sewage drainage is not interrupted. Suspend control unit in a dry room

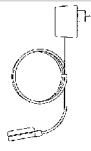

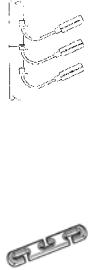

# MULTIDRAIN UV 300

## SUBMERSIBLE DRAINAGE PUMPS

### MECHANICAL ACCESSORY

					Code No.
	<b>① Swing-type check valve</b>				
	R40 EN 12050-4	1½" (DN 40), PN 4	150x120 (HxB)		JP00317
	DR 40 EN 12050-4	1½" (DN 40), PN 4	200x280 (HxB)		JP09155
	<b>② Stop valve</b>	brass, 1½" (DN 40), PN 16	125x60 (HxB)		JP44786
	<b>③ Elastic connection</b>	+ Hose band clamps, 1½" (DN 40), PN 4	120x50 (HxD)		JP50902
	<b>④ Hose coupling</b>				
	Coupling Storz C	1½" male thread			JP44770
	Coupling wrench				JP25708
	Pressure hose	12,5 m, synthetic, with coupling Storz C, Ø 38 mm			JP50298
		15 m, synthetic, with coupling Storz C, Ø 52 mm			JP00336
	<b>⑤ Chain</b>	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
		Shackle, certified, 630 kg, stainless steel			JP45904

### ELECTRICAL ACCESSORY

				Code No.
	<b>a Alarm unit</b>			
	AG10	subm. ball contact switch, mains dependent, potential-free contact, 9.5 m cable		JP44892
	<b>b Control for single units</b>			
	Control unit HIGHLOGO 1-00			JP47988
	Control unit AD 00	400 V		JP00311
	Control unit HIGHLOGO 1-00 E	230 V		JP47987
	Control unit AD 00 E	230 V		JP00289
	<b>Control for duplex units</b>			
	Control unit HIGHLOGO 2-00 E	230 V		JP47996
	Control unit BD 00 E	230 V, for pumps U3-U6, US 62-105, UV3, UV 300, 08/2 ME		JP45735
	Control unit HIGHLOGO 2-00	400 V		JP47997
	Control unit BD 00	400 V, for pumps U6, US 62-105, UV 300		JP45993
	<b>Level control</b>			
	Subm. switch pack A	2 Tauchschalter 9,5 m und Leitungshalter		JP16718
	Subm. switch pack AmG	2 subm. ball contact switch with 9.5 m and counterweight		JP16719
	Subm. switch pack B	3 subm. ball contact switch with 9.5 m and fixing devices		JP16725
	Subm. switch pack BmG	3 subm. ball contact switch with 9.5 m and counterweight to stabilize the subm. ball contact switch		JP16726
	<b>c Rechargeable battery</b>	9 V, for mains independent alarm		JP44850