

**MULTIDRAIN UV 600**  
SUBMERSIBLE DRAINAGE PUMPS



- 10 mm free passage
- Discharge 2" (horizontal and vertical)
- Automatic self-ventilation
- Emerged operation due to motor jacket cooling (S1)
- Thermal motor protection
- Duplex mechanical seal
- Replaceable moisture sealed cable inlet
- Easy to maintain due to guide rail system

**DESCRIPTION**

The submersible drainage pumps Multidrain UV 600 have been developed for drainage applications where high delivery heads are required.

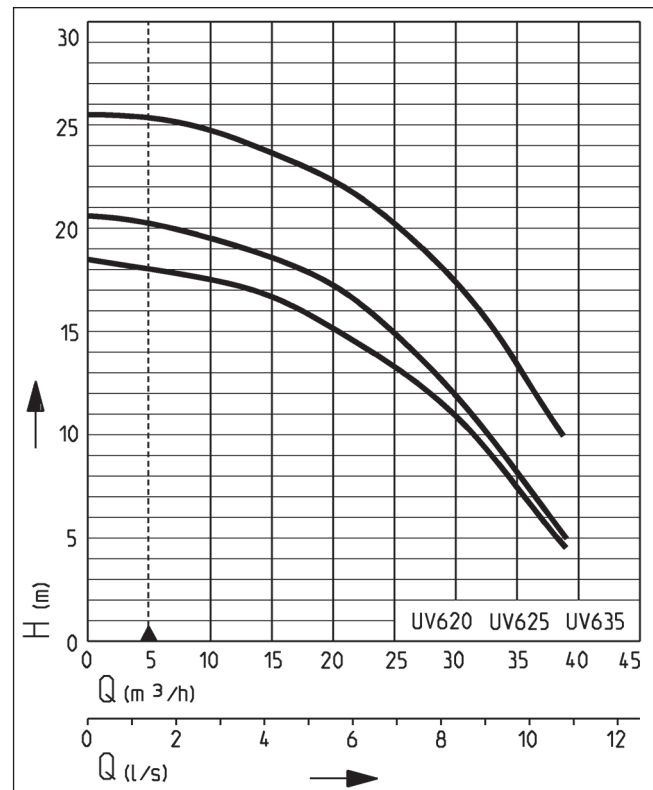
All kind of drainage / greywater with solids up to 10 mm can be disposed from large depths. Shopping centers, high-rise buildings, undergrounds stations and other buildings with deep basements are the right environment for the UV 600 pumps.

In addition to a fix sump installation these pumps can also be used for mobile applications.

The pressure pipe can be connected either to the vertical or the horizontal discharge.

The horizontal one is suitable for sump installations with a guide rail system (GR 50). For mobile applications or in narrow sumps the connection to the vertical discharge port is recommended.

**PERFORMANCE**



Type	Delivery head H [m]	6	8	10	12	14	16	18	20	22	24
UV 620-1	Flow rate Q [m³/h]	36	33	30	27	22	16				
UV 620-3		37	34	32	28	24	18	5			
UV 625-3		38	36	33	31	27	23	18	5		
UV 635-3				39	37	34	32	28	25	20	14

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.

# MULTIDRAIN UV 600

## SUBMERSIBLE DRAINAGE PUMPS

### SCOPE OF SUPPLY

Pump with 10 m cable, automatic version with integrated ball-float switch, plug 2" with automatic ventilation for the outlet not in use.

### MECHANICAL DATA

Pump	Vertical single-stage	Oil chamber	Yes
Free passage	10 mm	Seal on medium side	SiC mechanical seal
Bearing	Ball bearings, grease-lubricated	Dry run protection	Yes
Seal on motor side	Mechanical seal	Submersible	Yes
		Pressure outlet	IG 2"

### ELECTRICAL DATA

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

### MULTIDRAIN UV 600

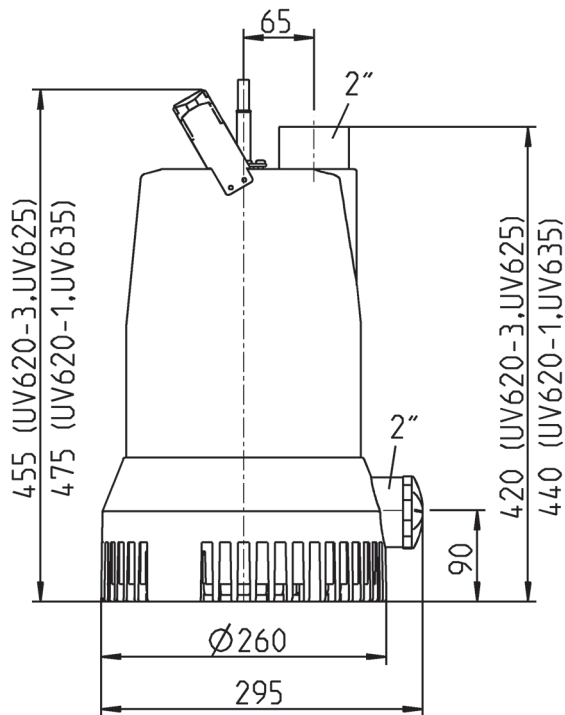
Type	Code No.	Voltage	Motor rating		Current	Wires	Motor protection	Plug	Weight
			P1	P2					
<b>Without control unit</b>									
UV 620-1	<b>JP47337</b>	1/N/PE~230 V	2.40 kW	1.65 kW	10.4 A	3G1,5	Integrated	Without	23.0 kg
UV 620-3	<b>JP47339</b>	3/PE~400 V	2.38 kW	1.95 kW	4.6 A	4G1,0	on request <sup>1</sup>	Without	23.0 kg
UV 625-3	<b>JP47341</b>	3/PE~400 V	2.80 kW	2.28 kW	5.2 A	4G1,0	on request <sup>1</sup>	Without	23.0 kg
UV 635-3	<b>JP47343</b>	3/PE~400 V	3.70 kW	3.05 kW	6.2 A	4G1,0	on request <sup>1</sup>	Without	26.0 kg
<b>With built-in level control</b>									
UV 620-1 S	<b>JP47338</b>	1/N/PE~230 V	2.40 kW	1.65 kW	10.4 A	3G1,5	Integrated	Safety	23.5 kg
UV 620-3 S	<b>JP47340</b>	3/PE~400 V	2.38 kW	1.95 kW	4.6 A	4G1,0	on request <sup>1</sup>	Without	23.5 kg
UV 625-3 S	<b>JP47342</b>	3/PE~400 V	2.80 kW	2.28 kW	5.2 A	4G1,0	on request <sup>1</sup>	Without	23.5 kg
UV 635-3 S	<b>JP47344</b>	3/PE~400 V	3.70 kW	3.05 kW	6.2 A	4G1,0	on request <sup>1</sup>	Without	26.5 kg

<sup>1</sup>Protective motor plug necessary see accessory

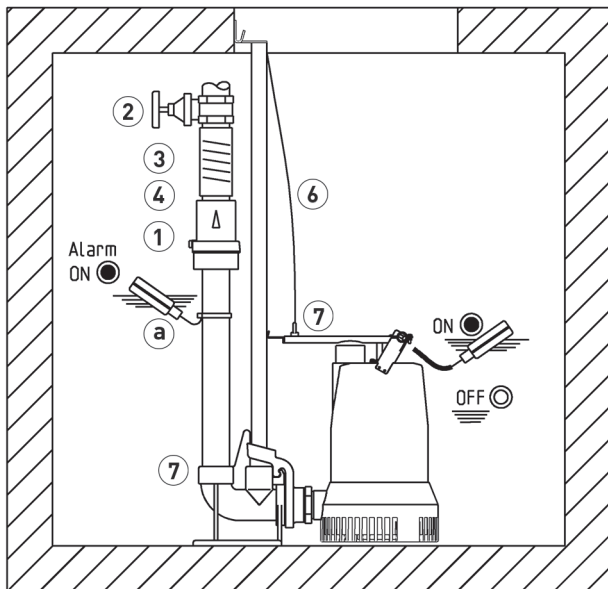
# MULTIDRAIN UV 600

## SUBMERSIBLE DRAINAGE PUMPS

### Dimensions UV 600 (mm)



### Mounting arrangement single unit with GR

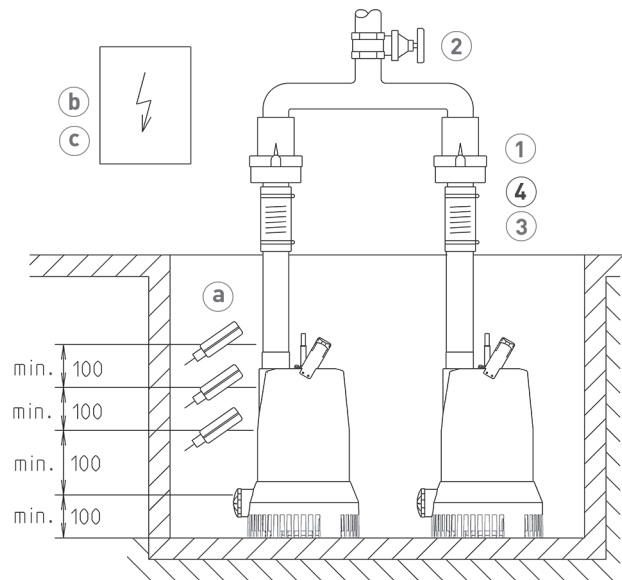


Single unit 2" with GR 50: sump area min. 40x70 cm  
 Single unit 2" without GR: sump area min. 40x50 cm

Duplex unit 2" with GR 50: sump area min. 70x70 cm  
 Duplex unit 2" without GR: sump area min. 50x70 cm

In case of installation beneath the backpressure level the pressure tube must be taken in a

### Mounting arrangement duplex unit



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.




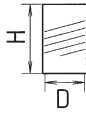

Nach EN 12056-4 Abs. 5.1 ist in Anlagen, bei denen die Abwasserableitung nicht unterbrochen werden darf, eine eine Doppelanlage einzubauen.

Suspend control unit in a dry room

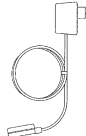
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## SUBMERSIBLE DRAINAGE PUMPS

### MECHANICAL ACCESSORIES

				Code No.	
	<b>① Swing-type check valve</b>	R50 EN 12050-4	2" (DN 50), PN 4	150x120 (HxB)	<b>JP00326</b>
	<b>Ball-type check valve</b>	K50 EN 12050-4	2" (DN 50), PN 6	185x155 (HxB)	<b>JP44782</b>
	<b>② Stop-valve</b>		2" (DN 50), PN 16	140x70 (HxB)	<b>JP44787</b>
	<b>③ Elastic connection</b>		2" (DN 50), PN 4	150x63 (HxD)	<b>JP44775</b>
	<b>④ Hose band clamp</b>		2"		<b>JP44764</b>
	<b>⑤ Hose coupling</b>	Coupling Storz C	2" male thread		<b>JP50217</b>
		Coupling wrench			<b>JP25708</b>
	<b>Pressure hose</b>		15 m , synthetic, with coupling Storz C		<b>JP00336</b>
		Anti-tink for tubes			<b>JP25707</b>
	<b>⑥ Chain</b>		certified, 2.5 m, 320 kg, 5 rings (EN 818 mod.)		<b>JP45901</b>
			certified, 5.0 m, 320 kg, 8 rings (EN 818 mod.)		<b>JP45902</b>
			certified, 7.5 m, 320 kg, 11 rings (EN 818 mod.)		<b>JP47365</b>
			Shackle, certified, 630 kg, stainless steel		<b>JP45904</b>
	<b>⑦ Guide rail system</b>	GR 50			<b>JP25593</b>
		Securing lever	UV 600		<b>JP49171</b>
		Guide rail 1"	1500 mm		<b>JP48937</b>
		Guide rail 1"	2000 mm		<b>JP48938</b>
		Guide rail 1"	2500 mm		<b>JP48939</b>
		Guide rail 1"	3000 mm		<b>JP48940</b>

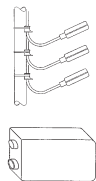
### ELECTRICAL ACCESSORIES

				Code No.
	<b>ⓐ Alarm unit</b>	AG10	subm. ball contact switch, mains-dependent, potential-free contact,	<b>JP44892</b>
			9,5 m cable	

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### ELECTRICAL ACCESSORIES

			Code No.	
	<b>b</b>	<b>Level control for single units</b>		
		Control unit ND 3A	400 V, subm. ball contact switch 9.5 m, alarm	JP16717
		CEE motor protection 4,0-6,0 A	400 V, for pumps without integrated motor protection mandatory	JP44751
		CEE motor protection 6,0-9,0 A	400 V, for pumps with integrated motor protection mandatory	JP44752
		Subm. switch pack AmG		JP16719
		Control unit AD 46		JP14353
		Control unit 1-46		JP47990
		Control unit AD 610		JP14354
		Control unit HIGHLOGO 1-610		JP47991
		<b>Level control for duplex units</b>		
		Control unit BD 46	400 V, for pumps US 251-253, UV 620-3, UV 625-3	JP45739
		Control unit HIGHLOGO 2-46	400 V	JP47999
		Control unit BD 610	400 V, for pumps UV 635-3	JP45741
		Control unit HIGHLOGO 2-610	400 V	JP48000
	Subm. switch pack BmG	3 subm. ball contact with 9.5 m and counterweight	JP16726	
	<b>c</b>	<b>Rechargeable battery</b>	for mains-independent alarm	JP44850

