

U2KS

DRAINAGE PUMPS

- Low level pumping with detached strainer
- Flushing device
- Emerged operation due to cooling jacket
- Variable discharge branch
- EIP Technology
- Moisture sealed cable inlet



DESCRIPTION

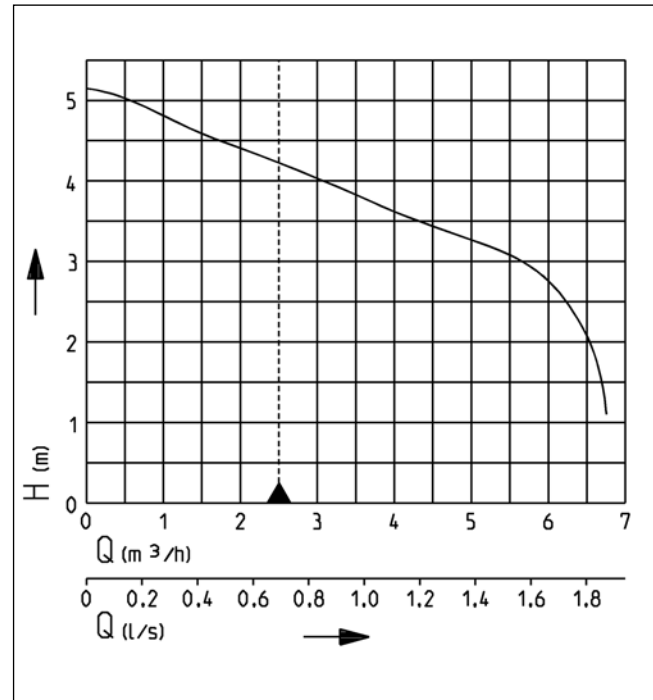
The U2KS is a versatile centrifugal submersible pump for stationary and portable use. EIP technology for better solid handling, integrated flushing device for reducing deposits and optional low level pumping down to 5 mm are only a few of the innovative features that set this pump apart.

The pump removes rain water, lightly polluted water and all kinds of grey water like waste water from dishwashers, showers or washing machines.

In stationary use the U2KS removes the water from drains in cellars, laundries or storerooms and serves as a flood protection. If the sump or tank runs dry temporarily, the pump can be vented by providing a drill-hole in the spiral housing.

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

PERFORMANCE



Type	Delivery head H [m]	1	2	3	4	5
U2KS	Flow rate Q [m³/h]	6.8	6.5	5.5	3.0	0.5

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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SCOPE OF SUPPLY

Pump ready to connect acc. to EN 12050 with 90°, 1 1/4" female connection elbow, cable and plug, with automatic level float switch.

MECHANICAL DATA

Pump	Vertical single-stage	Dry run protection	Yes
Free passage	10 mm	Shaft	Stainless steel
Bearing	Ball bearings, grease-lubricated	Impeller	Open centrifugal impeller, GFK
Seal on motor side	Rotary shaft seal	Motor housing	Stainless steel
Oil chamber	Yes	Pump housing	GRP
Seal on medium side	2-fold rotary shaft seals	Submersible	Yes
		Discharge branch	1 1/4"

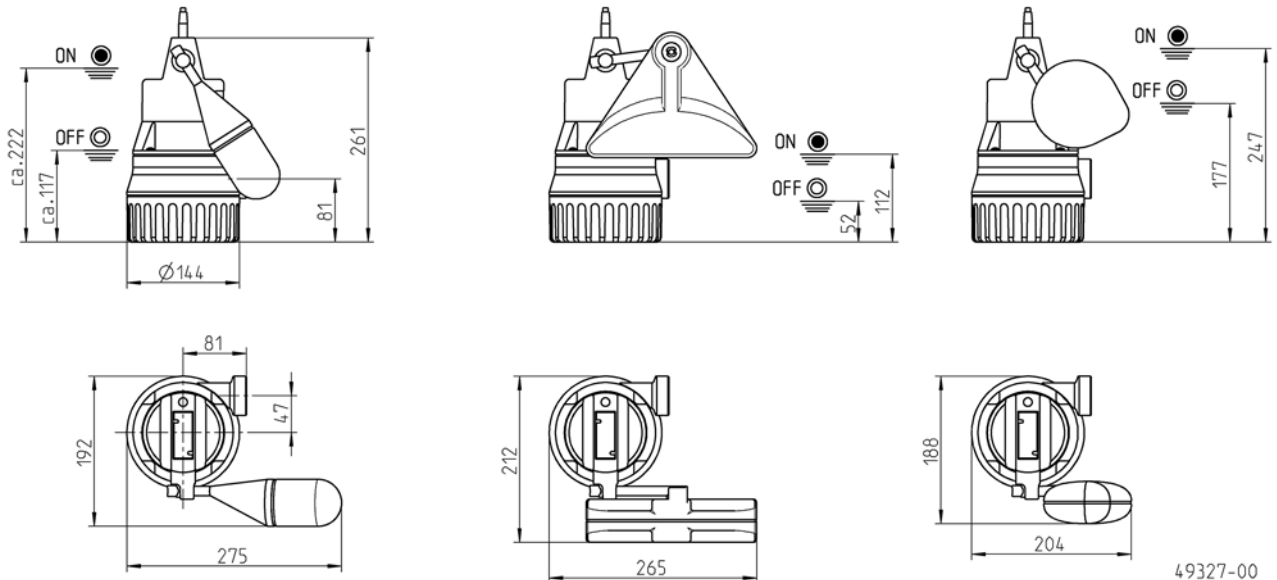
ELECTRICAL DATA

Motor rating P1	0.3 kW	Insulation class	B
Motor rating P2	0.2 kW	Winding thermostat	Yes
Current	1.2 A	Motor protection	Integrated
Type of enclosure	IP 68	Plug	Safety

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Type	Code No.	Power line	Wires	Weight
U2KS, 10 m cable	JP50026	10m H07RN8-F	3G1,0	4.8 kg
U2KS, 4 m cable	JP50025	4m H05RN-F	3G0,75	3.8 kg

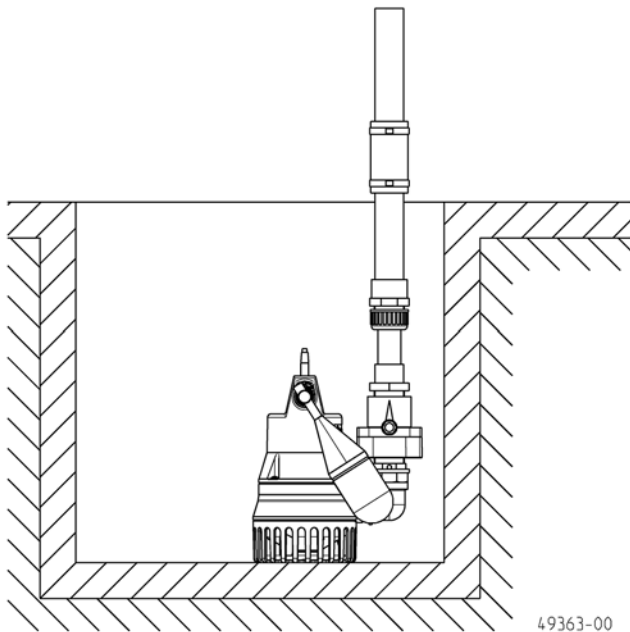
Dimensions and switching heights (mm)




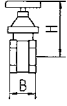
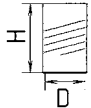





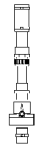
U2KS

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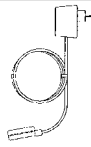
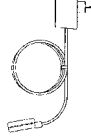
Mounting arrangement connection kid DN 32



MECHANICAL ACCESSORIES

			Code No.
	① Swing-type check valve R32 EN 12050-4	1/4" (DN 32), PN 4	JP09739
	② Stop-valve	1/4" (DN 32), PN 16 1/2" (DN 40), PN 16	JP44785 JP44786
	③ Elastic connection	1/4" (DN 32), PN 3	JP44773
	④ Hose band clamp	1/4"	JP44765
	⑤ Hose coupling Hose coupling Hose connection	1/4" (DN 32) brass, for transportable use with swing-type check valve, 1/4" - 38/32/25	JP00327 JP50040
	⑥ Hose set	1/4" (DN 32), 15 m mit Winkel und Tüllen	JP43550
	⑦ Special float	for low switching points	JP44795
		for narrow chambers (mind. 30x30 od Ø30 cm)	JP40856
	Float fixation	for continuous pump operation	JP42175
	⑧ Pipe work connection set	DN 32, with telescopic pressure pipe 30-90 cm	JP44609

ELECTRICAL ACCESSORIES

			Code No.
	a 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
	b Alarm unit washing machine stop AW3	subm. ball contact switch, mains-dependent, 3 m cable	JP44895