

JUNG PUMPEN U3K SPEZIAL SUBMERSIBLE SUMP PUMPS

APPLICATION

Die U 3 K (S) is a special model made from high-quality resistant materials. This model is suitable for both stationary and portable use and is also able to handle aggressive media such as liquids containing salt, brackish water, condensate, silage liquor, whey and liquid fertilizer in the agricultural industry.

Contaminated water at high temperatures from dishwashers and washing machines (also high temperature) as well as condensate from condensing boilers can also be removed with the pump. For stationary operation the pump can also be combined with either the collecting tank supplied or with a large number of our chemical-resistant collecting tanks.

For other aggressive media we advise you to consult us. The difference in the characteristics of the various media does not make it possible for us to provide a guarantee.

This pump provides the same outstanding innovative technical features as the standard model. For stationary use in drains the guide rail system GR 32 also offers all the advantages of fast and easy maintenance. If the sump or tank runs dry temporarily, the pump can be vented by providing a drill-hole in the spiral housing.

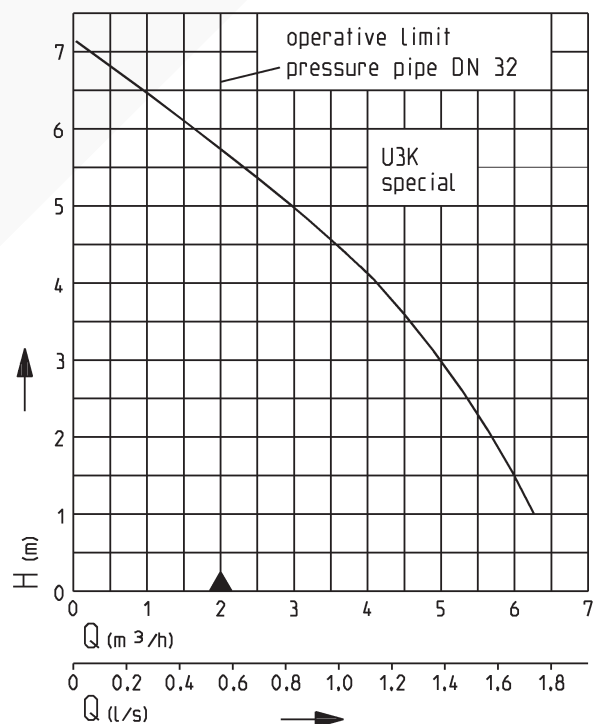
If centrifugal submersible pumps are used outdoors, only a pump with 10 m cable without extension cable may be used in accordance with VDE Regulation 0100.

- For saline solutions up to 10% salinity
- Continuous operation
- Low level pumping
- Flushing device
- Safe to run dry
- EIP technology
- Swing-type check valve for portable use
- SiC mechanical seal
- Moisture sealed cable inlet



U 3 KS Spezial with built-in level control

PERFORMANCE



27945-01

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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Type		Maximum Height x Width	Discharge branch	Free passage	Cable quality	Cable length	Weight approx.	Code No.
Pump without level control								
U3K spezial	without bend	255 x 170 mm	1¼"	10 mm	H07RN-F-3G1,0	10 m	4,3 kg	JP09562
	with bend	255 x 225 mm						
Pumps with built-in level control (acc. to VDE, not two be used outdoors)								
U3KS spezial		255 x 275 mm	1¼"	10 mm	H07RN-F-3G1,0	3 m	3,6 kg	JP09563

PERFORMANCE

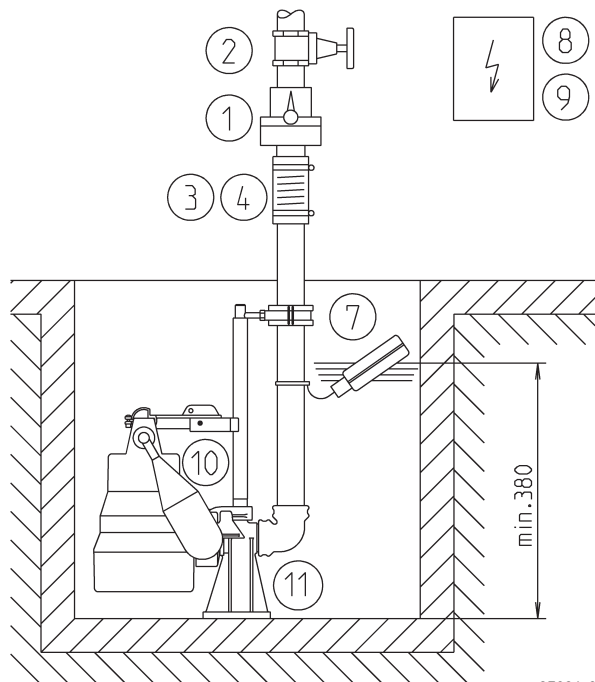
Type	Delivery head H [m]	1	2	3	4	5	6
U3K spezial	Flow rate Q [m³/h]	6,5	5,5	5,0	4,0	3,0	1,5

ELECTRICAL DATA

Type	Type of current	Voltage	Motor rating kW		RPM	Current	Motor protection	Plug
		Volt	P ₁	P ₂	min ⁻¹	Ampere		
U3K spezial	W-Current	1/N/PE~230	0,32	0,20	2720	1,4	integrated	Safety-

Example of single pump installation with GR

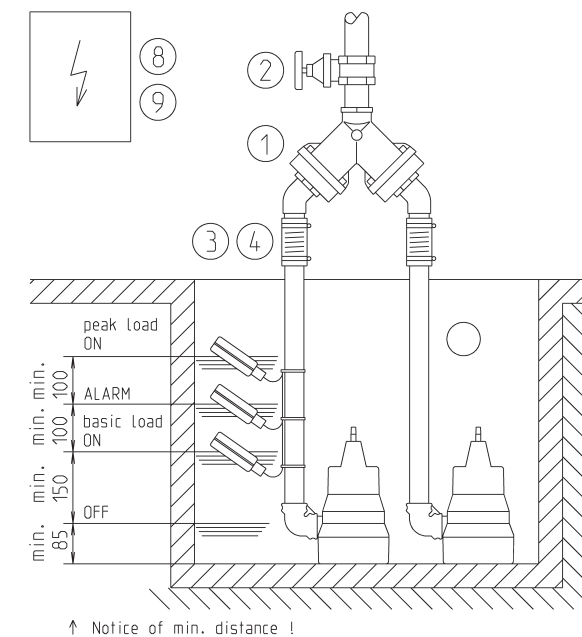
Single unit with built-in level control
Sump area with GR 32 min. 40 x 50 cm
Sump area without GR min. 40 x 40 cm (without illustr.)



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.

Example of duplex pump installation

Duplex unit with control unit
Sump area with GR 32 min. 50 x 50 cm (without illustr.)
Sump area without GR min. 50 x 50 cm
(Suspend control unit in a dry room.)

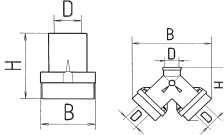
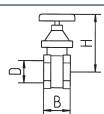




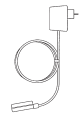
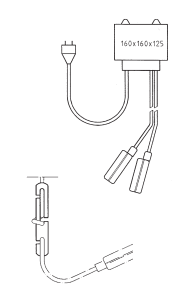






In accordance with DIN EN 12056-4 section 5.1, it has a built-in automatic spare pump or a double attachment included, which ensures that sewage drainage is not interrupted.

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SUBMERSIBLE SUMP PUMPS

ACCESSORIES

				Code No.	U3K spezial	U3KS spezial	
	1 Swing-type check valve 1¼" (DN 32), PN 4 DIN EN 12050-4	H	W	D	JP09739	•	•
	DoppelSwing-type check valve 1½" (DN 40), PN 4 for duplex pump station DIN EN 12050-4	90	90	1¼"			
	2 Stop valve 1¼" (DN 32), PN 16	110	max. 60	1¼"	JP44785	•	•
		125	max. 60	1½"	JP44786	•	
	3 Elastic connection 1¼" (DN 32), PN 3	H D		JP44773	•	•	
		100	42				
	4 Hose band clamp 1¼"	JP44765				•	•
	5 Hose coupling 1¼" (DN 32) brass, for portable use	JP00327				•	•
	Hose connection 1 ¼" - 38/32/25	JP44209				•	•
	6 Flexible hose 1¼" (DN 32), PVC red, per m, for portable use	JP00334				•	•
	7 Alarm system with submersible ball contact switch, separate, mains-dependent, with potential free contact and 3 m cable	JP16723					•
	Alarm system ditto, with 9.5 m cable	JP24434					•
	Alarm system AW 3 for washing-machines with submersible ball contact switch with 3 m cable, separate, mainsdependent	JP25090				•	•
	Alarm system AW 10 for washing-machines dto. with 9.5 m cable	JP25091				•	•
	8 Separate level controls for single unit (see level controls for description)						
	NE 1 with sub. ball contact switch 3.0 m	JP16710				•	
	NE 2 with sub. ball contact switch 9.5 m	JP16711				•	
	NE 1A with sub. ball contact switch 3.0 m and alarm system	JP16714				•	
	NE 2A with sub. ball contact switch 9.5 m and alarm system	JP16715				•	
	Counterweight (1 piece)	JP44803				•	
	Duplex control unit BD 00E	JP00482				•	
Subm. switch pack B with 3 subm. ball contact switches with 9,5 m cable and fixing device	JP16725				•		
Subm. switch pack BmG with 3 subm. ball contact switches with 9.5 m cable and counterweight	JP16726				•		
	9 Rechargeable battery for off the line operation of the alarm system	JP44850				•	•
	10 Special float assembly for low switching points Switching height without GR ON 105 mm, OFF 45 mm; switching height with GR 32 ON 135 mm, OFF 75 mm	JP44795					•
	Special float assembly for narrow chambers (size of chamber min. 30x30 cm) Switching height without GR ON 240 mm, OFF 120 mm	JP40856					•
	 Float fixation for continuous pump operation	JP42175					•
	11 Guide rail system GR 32	JP44000				•	•
	Support for guide rail extension ex 2 m sump depth per m 1 piece	JP28314				•	•

