## U3

- Cooling jacket for motor housing
- Low level pumping by detachable strainer base
- Flushing device
- Variable discharge branch with closable ventilation
- Run dry protection
- EIP Technology
- Moisture sealed cable inlet



## DESCRIPTION

The U3K(S) is an extremely versatile centrifugal submersible pump for stationary and portable use. EIP technology for safer operation, integrated flushing device for reducing deposits and integrated low level pumping for preventing flooding are only a few of the innovative features that set this pump apart.
The pump removes rain water, lightly polluted water and domestic waste water from household dishwashers and washing machines (also high temperature).

In stationary use the U3KS with automatic switching removes the water from drains in cellars, laundries or storerooms and serves as a flood protection. The guide rail system GR 32 offers all the advantages of fast and easy maintenance. Our ready-to-install collecting tanks extend the range of uses. If the sump or tank runs dry temporarily, the pump can be vented by providing a drill-hole in the spiral housing.
For mildly aggressive media such as brackish water, condensate from condensing boilers, liquid manure etc., the U3K(S) spezial should be used. For heavily contaminated water we recommend the waste water pumps of the US-range.
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 $\mathrm{H}[\mathrm{m}]$ | 1 | 2 | 3 | 4 | 5 | 6 |
| :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| U3K/U3KS | Flow rate $\mathrm{Q}\left[\mathrm{m}^{3} / \mathrm{h}\right]$ | 6.5 | 5.5 | 5.0 | 4.0 | 3.0 | 1.5 |

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## SCOPE OF SUPPLY

Pump ready for connection acc. to EN 12050 with $90^{\circ}, 11 / 4^{\prime \prime}$ female float switch. connection elbow, cable and plug, S model with automatic level

MECHANICAL DATA

| Pump | Vertical single-stage | Run dry protection | Yes |
| :--- | :--- | :--- | :--- |
| Free passage | 10 mm | Shaft | Stainless steel |
| Bearing | Ball bearings, grease-lubricat- | Impeller | Vortex impeller, GFK |
|  | ed | Motor housing | Stainless steel |
| Seal on motor side | Rotary shaft seal | Pump housing | GRP |
| Oil chamber | Yes | Submersible | Yes |
| Seal on medium side | 2-fold rotary shaft seals | Pressure outlet | $11 / 4^{\prime \prime}$ |

## ELECTRICAL DATA

| Voltage | $1 / \mathrm{N} / \mathrm{PE} \sim 230 \mathrm{~V}$ | Insulation class |
| :--- | :--- | :--- |
| Motor rating P1 | 0.32 kW | Winding thermostat |

U3

| Type | Code No. | Power line | Wires |
| :--- | :--- | :--- | :--- |
| Without level control |  |  |  |
| U3K, 10 m cable | JP00205 | $10 \mathrm{~m} \mathrm{H05RN-F}$ | Weight |
| With built-in level control |  |  | $3 G 0,75$ |
| U3KS, 4 m cable | JP00206 | $4 \mathrm{~m} \mathrm{H05RN-F}$ | 3.7 kg |
| U3KS, 10 m cable | JP09808 | $10 \mathrm{~m} \mathrm{H07RN-F}$ | $3 G 0,75$ |

Dimensions and switching points U3K (mm)



27818-04

Dimensions and switching points special float (mm)


27818-04

Dimensions GR 32


## Example of duplex installation



Single unit with GR: sump area $\mathrm{min} .40 \times 50 \mathrm{~cm}$ or $\emptyset 50 \mathrm{~cm}$
Single unit without GR: sump area $\mathrm{min} .40 \times 40 \mathrm{~cm}$ or $\emptyset 40 \mathrm{~cm}$
Duplex unit with GR: sump area min. $50 \times 50 \mathrm{~cm}, \emptyset 60 \mathrm{~cm}$
Duplex unit without GR: sump area min. $50 \times 50, \emptyset 55 \mathrm{~cm}$
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


## ELECTRICAL ACCESSORY



