DATA SHEET

DrainMajor 30 SL (240V)

Wastewater Pumping System

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GENERAL DESCRIPTION

DrainMajor 30 SL (240V) features a heavy-duty tank and a submersible pump with a mechanical shaft seal for wastewater containing mildly corrosive chemicals (20 ppm), from laboratories, vets, dentists, hairdressers, janitor sinks and coffee shops.

TANK CONSTRUCTION

Manufactured from recyclable polyethylene and fully rigged with internal pipework and a non-return valve. The lid is secured with easy-to-remove hand screws and seats on a custom-moulded, fitted rubber seal.

TANK VOLUME	74.8 litres
USABLE VOLUME (APPROX.)	49.8 litres
MINIMUM INVERT HEIGHT	110 mm
DISCHARGE OUTLET	1½" BSP male + NRV
TANK VENTING	1¼" min. to air or MicroVent

Inlet connection

To suit site layout, bring all inverts into the side of the tank by drilling a hole and fitting an appropriate tank connector.

Made from recyclable polyethylene

Recycling polyethylene is cost-effective and successful — greener than incineration, more eco-friendly than landfill, and readily reprocessed into new products.

TANK DIMENSIONS



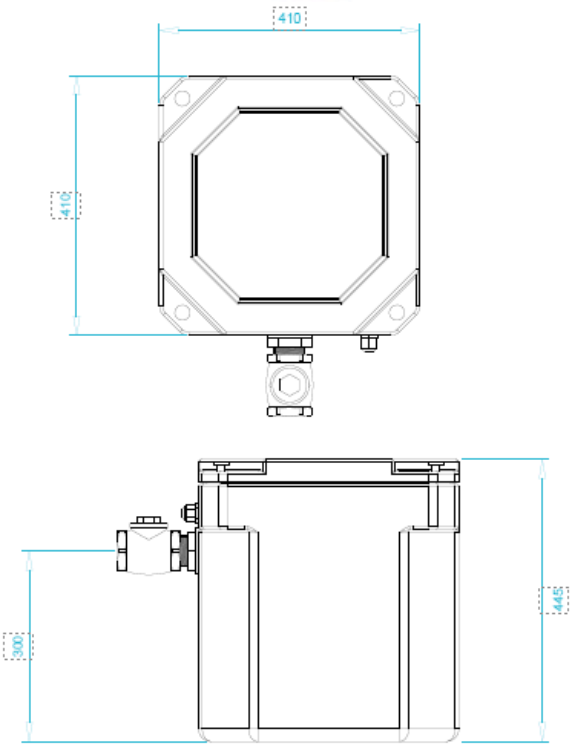


FIG. 1 — TANK PLAN & ELEVATION, DIMENSIONS IN MM

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Pump — U3 KS Spezial Submersible

PUMP FEATURES

- For saline solutions up to 15% salinity
- SiC mechanical seal
- Cooling jacket for motor housing
- Flushing device, activatable and deactivatable
- Variable discharge branch with closable ventilation
- Run dry protection
- Thermal protection
- EIP Technology
- Moisture-sealed cable inlet
- Fluid temperature 35 °C continuous, 60 °C for 10 min.

DESCRIPTION

The heavy-duty centrifugal submersible drainage pump U3 KS Spezial is suitable for wastewater and capable of handling soft solids up to 10 mm in particle size. It is a variant of the U3K with a SiC mechanical shaft seal and is designed for wastewater containing mildly corrosive chemicals up to 20 parts per million concentration.

PUMP TYPE	**U3 KS Spezial**
OVERALL HEIGHT	**255 mm**
OVERALL DIAMETER	**Ø144 mm**
SWITCH DIFFERENTIAL	**45–105 mm**

SWITCHING POINTS

LEVEL — ON	LEVEL — OFF
105 mm from base	**45 mm from base**

PERFORMANCE CURVE – U3K SPEZIAL

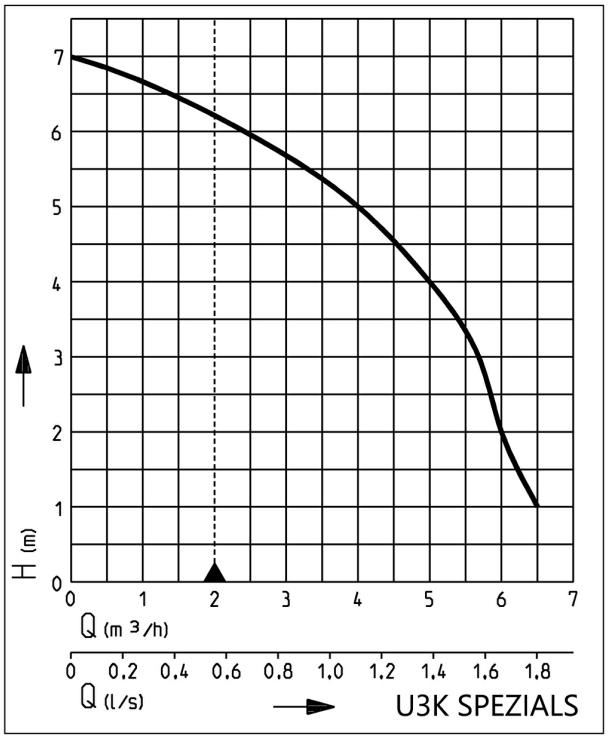


FIG. 2 — U3K SPEZIAL HEAD (H) VS. FLOW (Q)

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Technical Data & Scope of Supply

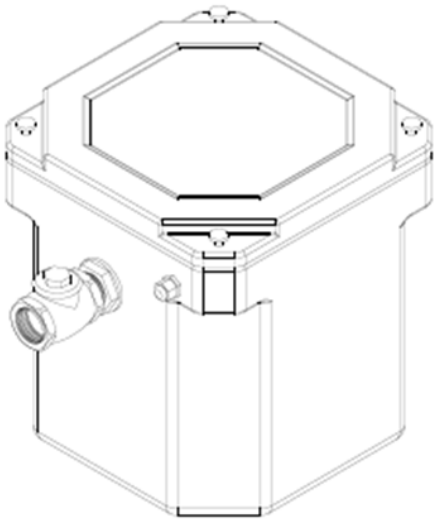
MECHANICAL DATA	
Pump	Vertical single stage
Free passage	10 mm
Bearing	Ball bearing, grease-lubricated
Seal — motor side	Rotary shaft seal
Oil chamber	Yes
Seal — medium side	SiC mechanical seal
Thermal protection	Yes
Shaft	Stainless steel
Impeller	Vortex impeller, GFK
Motor housing	Stainless steel
Pump housing	GRP
Submersible	Yes
Pressure outlet	1¼"

ELECTRICAL DATA	
Voltage	1/N/PE — 230 V
Motor rating P1	0.32 kW
Motor rating P2	0.2 kW
Current	1.4 A
Type of enclosure	IP 68
Insulation class	B
Winding thermostat	Yes
Motor protection	Integrated
Plug	Safety

Type	Code No.	Power line	Wires	Weight
WITH BUILT-IN LEVEL CONTROL				
U3 KS Spezial, 4 m cable	JP50005	4 m H07RN-F	3G1,0	3.7 kg

INSTALLATION NOTES

- This unit is for wastewater only.
- Ensure the location of the DrainMajor enables the lid to be easily removed for regular inspection and maintenance.
- If the discharge pipework connection to a soil stack, manhole etc. is below the discharge outlet of the tank, an anti-syphon unit must be fitted at the highest point of the discharge pipework.



2 YEAR WARRANTY

The DrainMajor 30 SL (240V) comes complete with a two-year warranty from Pump Technology Ltd.

Official Distributor and Stockist Authorised by Jung Pumpen GmbH.
Pump Technology Ltd. reserves the right to change the specification without prior notice.
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