DATA SHEET

DrainMajor 50 (240V)

Wastewater Pumping System

PART NO.	DOC. REV.	ISSUE DATE	MANUFACTURER	SHEET
130	1	02.11.2026	PTL/Jung Pumpen GmbH	01 / 03

GENERAL DESCRIPTION

DrainMajor 50 (240V) features a heavy-duty tank and submersible pump for automatically pumping wastewater from commercial kitchens, tea points, washing machines, dishwashers and similar applications.

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	**TBC**
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



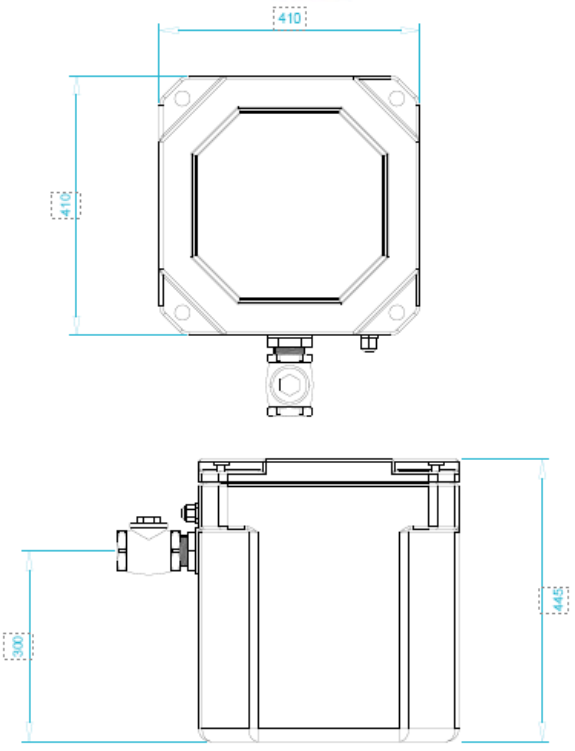


FIG. 1 — TANK PLAN & ELEVATION, DIMENSIONS IN MM

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Pump — U5KS Submersible

PUMP FEATURES

- Safe to run dry
- 10/20 mm free passage with EIP technology
- Cooling jacket for motor housing
- Low-level pumping by detachable strainer base
- Moisture-sealed cable inlet
- Flushing device
- Variable discharge branch with closable ventilation

DESCRIPTION

The powerful centrifugal submersible drainage pump U5KS is suitable for faecal-free wastewater with soft solids up to 10 mm in particle size. Removing the strainer base increases the free passage to 20 mm, and a flushing device keeps deposits in the tank to a minimum.

PUMP TYPE	**U5KS**
OVERALL HEIGHT	**280 mm**
OVERALL DIAMETER	**Ø168 mm**
SWITCH DIFFERENTIAL	**40–90 mm**

SWITCHING POINTS

LEVEL — ON	LEVEL — OFF
90 mm from base	**40 mm from base**

PERFORMANCE CURVE – U5K

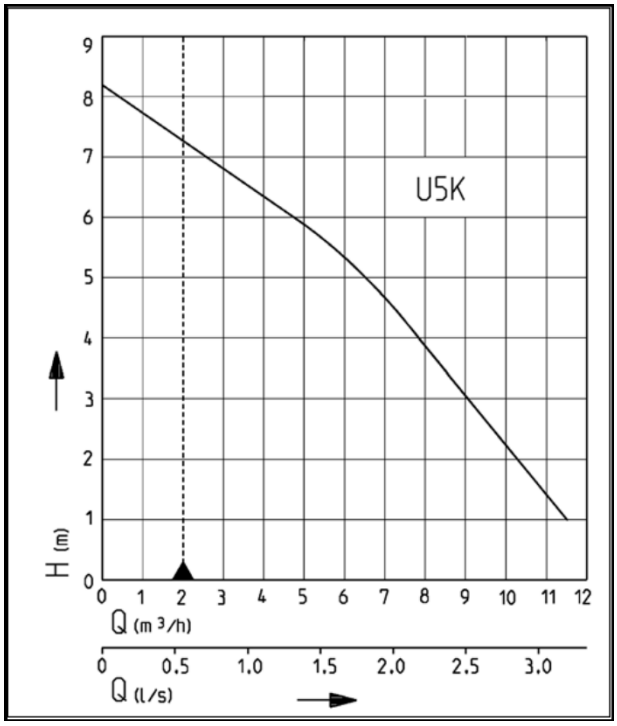


FIG. 2 — U5K HEAD (H) VS. FLOW (Q)

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Technical Data & Scope of Supply

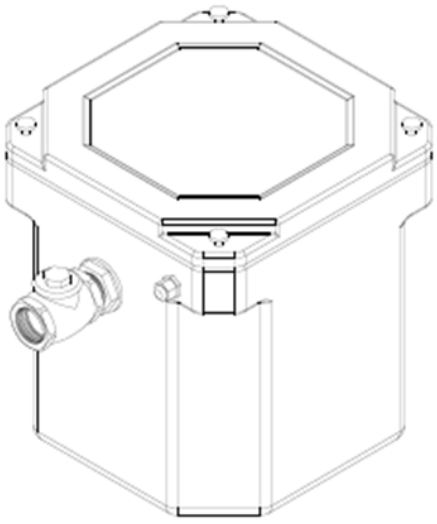
MECHANICAL DATA	
Pump	Vertical single stage
Free passage	10 mm (20 mm without strainer base)
Bearing	Ball bearings, grease-lubricated
Seal — motor side	Rotary shaft seal
Oil chamber	Yes
Seal — medium side	2-fold rotary shaft seals
Thermal protection	Yes
Shaft	Stainless steel
Impeller	Vortex impeller, GFK
Motor housing	Stainless steel
Pump housing	GRP
Submersible	Yes
Pressure outlet	1¼"

ELECTRICAL DATA	
Voltage	1/N/PE — 230 V
Motor rating P1	0.52 kW
Motor rating P2	0.38 kW
Current	2.3 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 SPECIAL FLOAT SWITCH (JP44207)				
U5KS, 4 m cable	JP09387	4 m H05RN-F	3G0,75	4.5 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 50 (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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