DATA SHEET

DrainMajor 1030 (240V)

Wastewater Pumping System

PART NO.	DOC. REV.	ISSUE DATE	MANUFACTURER	SHEET
152	1	29.10.2026	PTL/Jung Pumpen GmbH	01 / 03

GENERAL DESCRIPTION

DrainMajor 1030 (240V) features a heavy-duty tank and submersible pump for automatically pumping wastewater from commercial kitchens, tea points 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	**185 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

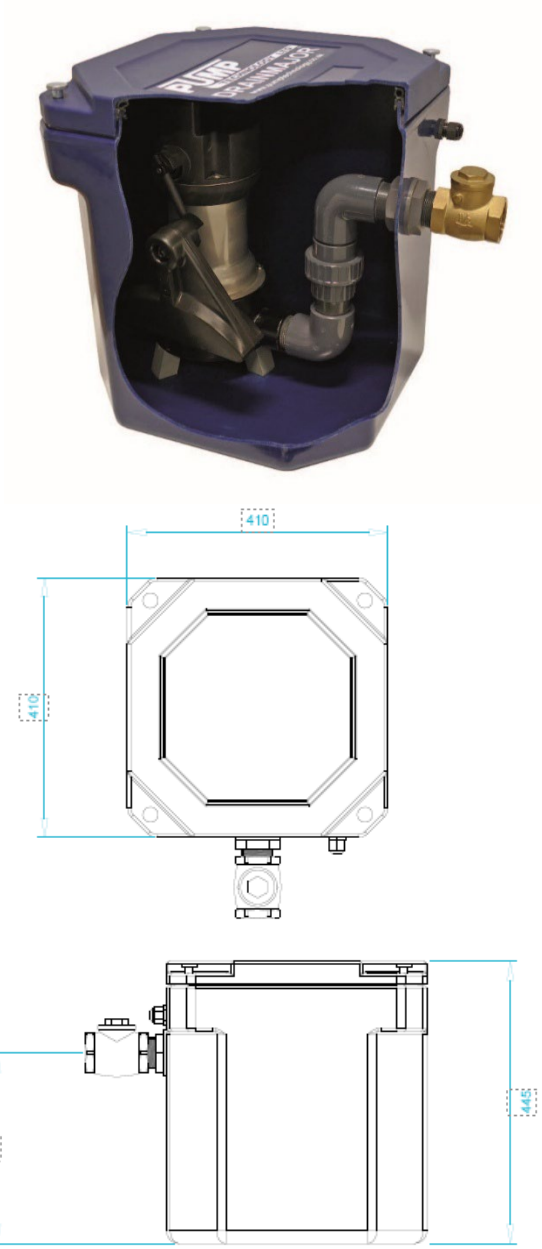


FIG. 1 — TANK PLAN & ELEVATION, DIMENSIONS IN MM

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Pump — US 103 ES Submersible

PUMP FEATURES

- Safe to run dry
- 30 mm free passage
- Controllable oil chamber
- SiC mechanical seal independent of sense of rotation
- Replaceable moisture-sealed cable inlet
- Fluid temperature 35 °C continuous, 60 °C for 10 min.

DESCRIPTION

The heavy-duty centrifugal submersible drainage pump US 103 ES is suitable for wastewater and capable of handling soft solids up to 30 mm in particle size.

PUMP TYPE	**US 103 ES**
OVERALL HEIGHT	**410 mm**
OVERALL DIAMETER	**210-195 mm**
SWITCH DIFFERENTIAL	**135–185 mm**

PERFORMANCE CURVE – US 103 ES

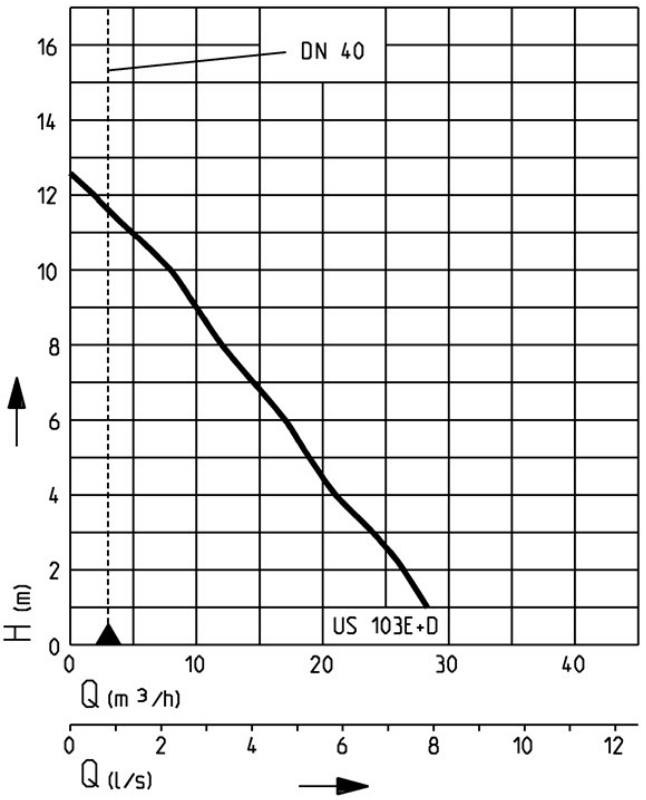


FIG. 2 — US 103 ES HEAD (H) VS. FLOW (Q)

SWITCHING POINTS

LEVEL — ON	LEVEL — OFF
185 mm from base	**135 mm from base**

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Technical Data & Scope of Supply

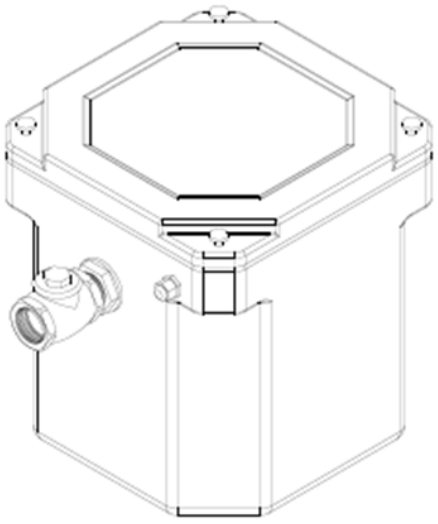
MECHANICAL DATA	
Pump	Vertical single stage
Free passage	30 mm
Bearing	Ball bearing, grease-lubricated
Seal — motor side	Duplex rotary shaft seals
Oil chamber	Yes
Seal — medium side	SiC mechanical seal
Thermal protection	Yes
Shaft	Stainless steel
Impeller	Vortex impeller, GFK
Motor housing	Stainless steel
Pump housing	Grey cast iron
Submersible	Yes
Pressure outlet	1½" female

ELECTRICAL DATA	
Voltage	1/N/PE — 230 V
Motor rating P1	1.37 kW
Motor rating P2	0.98 kW
Current	6.0 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				
US 103 ES, 10 m cable	JP09281	10 m H07RN-F	3G1,0	14.0 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 1030 (240V) comes complete with a one-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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