DATA SHEET

DrainMajor 1030 HES (240V)

Hot Wastewater Pumping System

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GENERAL DESCRIPTION

DrainMajor 1030 HES (240V) features a heavy-duty tank and submersible pump for automatically pumping hot wastewater from tea points with zip taps, commercial kitchens, sinks, dishwashers, combi ovens, pasta cookers, washing machines 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	2" 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

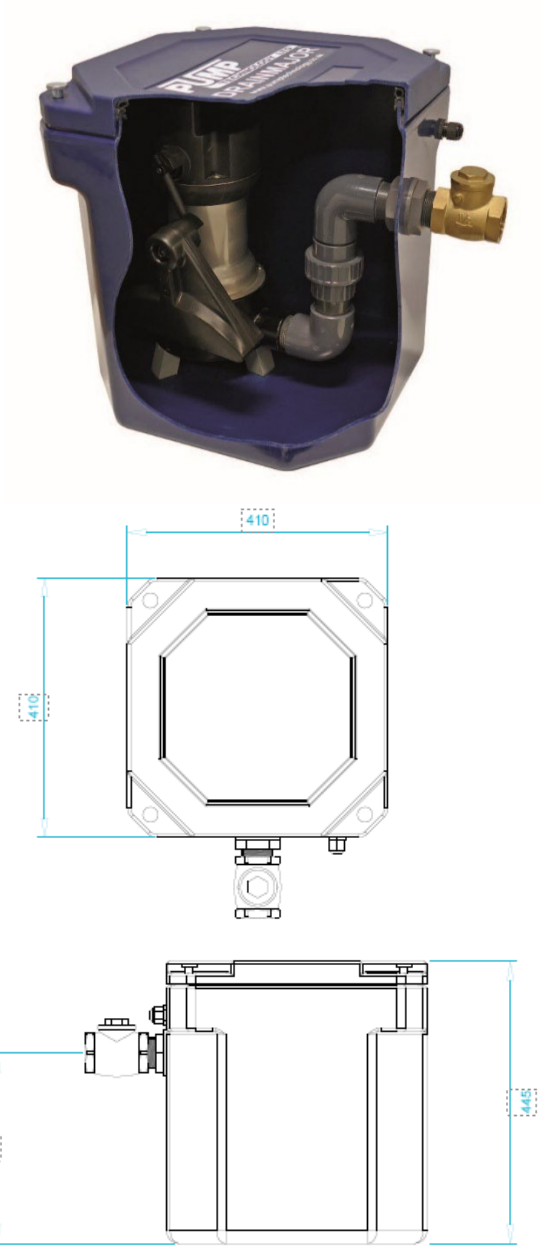


FIG. 1 — TANK PLAN & ELEVATION, DIMENSIONS IN MM

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Pump — US 103 HES Submersible

PUMP FEATURES

- Safe to run dry
- 30 mm free passage
- Hot water up to 90 °C (rated for continuous operation)
- Controllable oil chamber
- SiC mechanical seal independent of sense of rotation
- Replaceable moisture-sealed cable inlet

DESCRIPTION

The heavy-duty centrifugal submersible drainage pump US 103 HES is suitable for wastewater and capable of handling soft solids up to 30 mm in particle size. The pump is rated for continuous operation with very hot wastewater up to 90 °C.

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

PERFORMANCE CURVE – US 103 HES

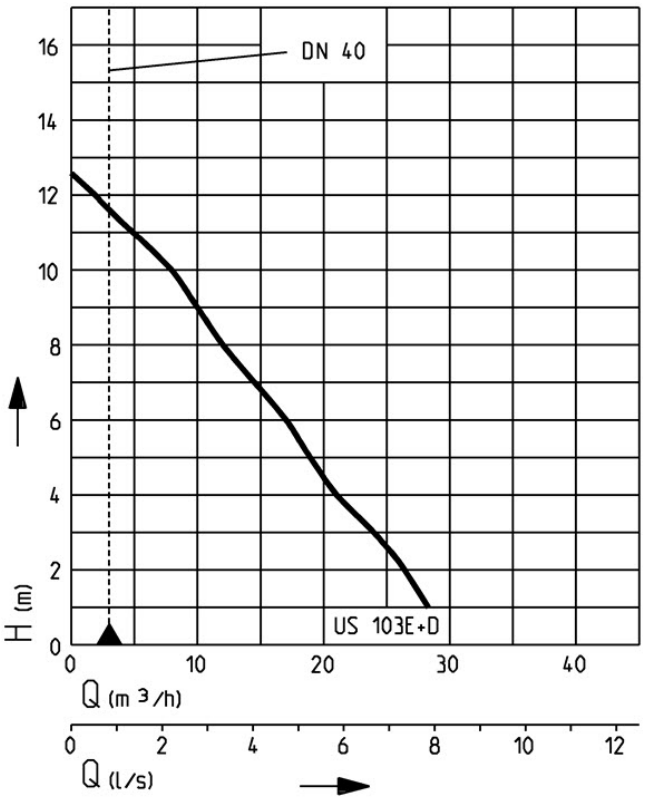


FIG. 2 — US 103 HES HEAD (H) VS. FLOW (Q)

SWITCHING POINTS

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

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Technical Data & Scope of Supply

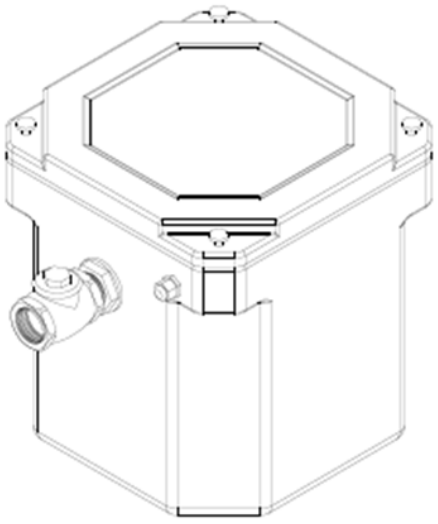
MECHANICAL DATA	
Pump	Vertical single stage
Free passage	30 mm
Bearing	Ball bearing, grease-lubricated
Seal — motor side	Duplex rotary shaft seals
Oil chamber	Yes
Seal — medium side	SiC mechanical seal
Thermal protection	Yes
Shaft	Stainless steel
Impeller	Vortex impeller, GFK
Motor housing	Stainless 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	F
Winding thermostat	Yes
Motor protection	Integrated
Plug	Safety

Type	Code No.	Power line	Wires	Weight
WITH BUILT-IN LEVEL CONTROL				
US 103 HES, 10 m cable	JP09308	10 m H07RN-F	3G1,0	14.1 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 HES (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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