DATA SHEET

DrainMajor 730 (3ph)

Wastewater Pumping System

PART NO.	DOC. REV.	ISSUE DATE	MANUFACTURER	SHEET
141	1	29.10.2026	PTL/Jung Pumpen GmbH	01 / 03

GENERAL DESCRIPTION

DrainMajor 730 (3ph) 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	**155 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

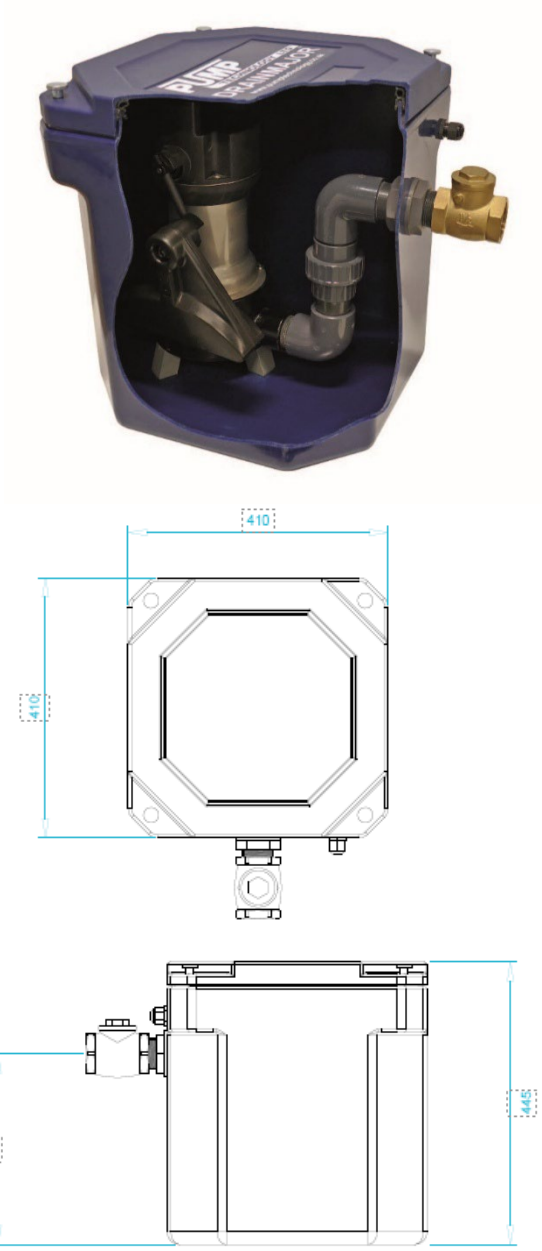


FIG. 1 — TANK PLAN & ELEVATION, DIMENSIONS IN MM

DATA SHEET

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Pump — US 73 DS 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 73 DS is suitable for wastewater and capable of handling soft solids up to 30 mm in particle size.

PUMP TYPE	**US 73 DS**
OVERALL HEIGHT	**380 mm**
OVERALL DIAMETER	**TBC**
SWITCH DIFFERENTIAL	**105–155 mm**

SWITCHING POINTS

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

PERFORMANCE CURVE — US 73 DS

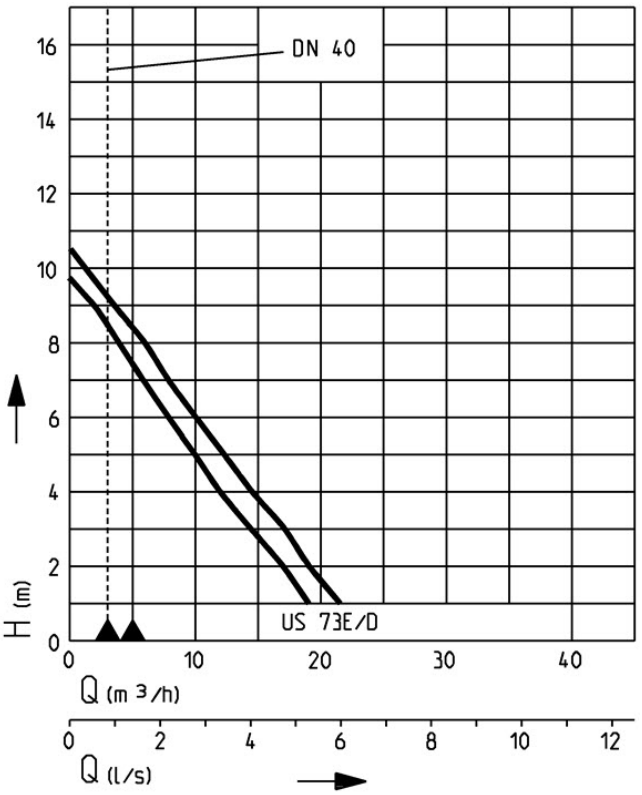


FIG. 2 — US 73 DS HEAD (H) VS. FLOW (Q)

DATA SHEET

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Technical Data & Scope of Supply

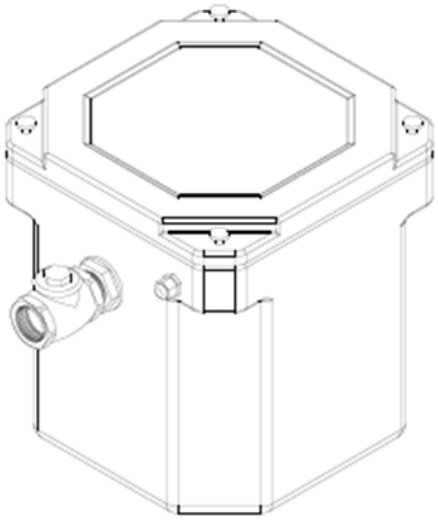
MECHANICAL DATA	
Pump	Vertical single stage
Free passage	30 mm
Bearing	Ball bearing, grease-lubricated
Seal — motor side	Duplex rotary shaft seals
Oil chamber	Yes
Seal — medium side	SiC mechanical seal
Thermal protection	Yes
Shaft	Stainless steel
Impeller	Vortex impeller, GFK
Motor housing	Stainless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

ELECTRICAL DATA	
Voltage	3/PE — 400 V
Motor rating P1	0.85 kW
Motor rating P2	0.60 kW
Current	1.4 A
Type of enclosure	IP 68
Insulation class	B
Winding thermostat	Yes
Motor protection	Integrated
Plug	CEE

Type	Code No.	Power line	Wires	Weight
WITH BUILT-IN LEVEL CONTROL				
US 73 DS, 10 m cable	JP00679	10 m H07RN-F	4G1,0	13.0 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 730 (3ph) 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.
Part No. 141, Data Sheet Rev. 1, 29.10.2026.