DATA SHEET

# DrainKing 1030 HES Twin (240V)

Duty/Standby Hot Wastewater System with Control Panel

| PART NO. | DOC. REV. | ISSUE DATE | MANUFACTURER | SHEET |
|---|---|---|---|---|
| 179 | 1 | 05.11.2026 | PTL/Jung Pumpen GmbH | 01 / 04 |

## GENERAL DESCRIPTION

DrainKing 1030 HES Twin (240V) has a heavy-duty GRP tank and two pumps rated for continuous hot wastewater up to 90 °C, from tea points with zip taps, commercial kitchens, dishwashers, combi ovens, pasta cookers and washing machines.

## DUTY/STANDBY OPERATION

The Twin gives the added security of duty/standby operation in one common tank. If one pump becomes blocked or fails, the wastewater rises and activates the high-level alarm, and the control panel starts the other pump as the standby pump.

## TANK CONSTRUCTION

Manufactured from GRP and fully rigged with internal pipework, a gate valve and non-return valves.

| | |
|---|---|
| TANK VOLUME | **151.2 litres** |
| USABLE VOLUME (APPROX.) | **100.8 litres** |
| MINIMUM INVERT HEIGHT | **185 mm** |
| DISCHARGE OUTLET | **1½" BSP male + gate valve** |
| TANK VENTING | **2" to air or MicroVent** |

## TANK DIMENSIONS



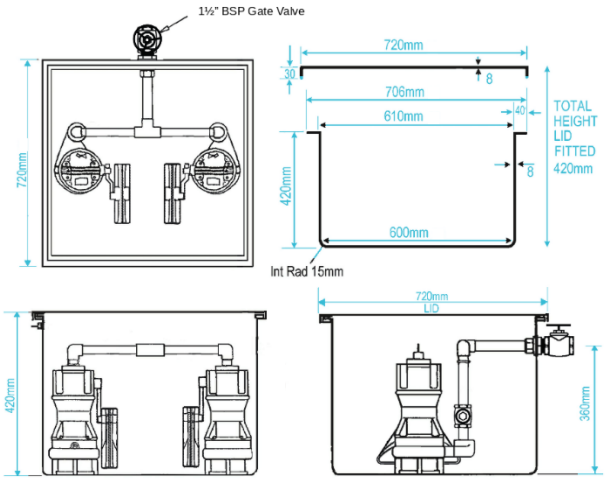



FIG. 1 — TANK PLAN, SECTION & ELEVATIONS, DIMENSIONS IN MM

### 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.

### Supplied with control panel

Each DrainKing Twin comes with a pump station control panel and a single high-level finger float. See page 2 for details.

# DrainKing 1030 HES Twin (240V)

Pump Station Control Panel

## CONTROL PANEL

The DrainKing Twin is supplied with a pump station control panel and a single high-level finger float. The duty pump alternates automatically after every pump operation, so both pumps share the work.

If the high-level alarm is activated, the standby pump starts. A rechargeable battery is fitted so the alarm keeps working if the mains supply fails.

## KEY PANEL FEATURES

- Automatic duty/standby alternation after every pump operation
- Standby pump starts on high-level alarm
- Single high-level finger float supplied
- Door isolation switch
- Pump 1 and pump 2 operational/tripped lights
- Alarm buzzer, minimum 80 dBA at 1 m
- Alarm on/off switch
- 3 volt-free ports for BMS connection
- Rechargeable battery backup for mains failure

## PUMP STATION PANEL



FIG. 2 — PUMP STATION CONTROL PANEL

DATA SHEET

# DrainKing 1030 HES Twin (240V)

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 | **TBC** |
| SWITCH DIFFERENTIAL | **135–185 mm** |

## SWITCHING POINTS

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

## PERFORMANCE CURVE – US 103 HES

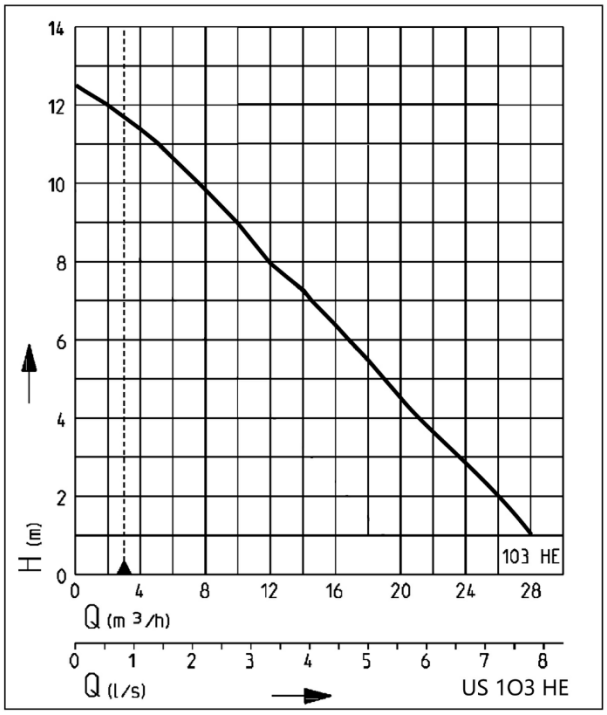



FIG. 3 — US 103 HE HEAD (H) VS. FLOW (Q)

DATA SHEET

# DrainKing 1030 HES Twin (240V)

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 DrainKing 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 DrainKing 1030 HES Twin (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.
Part No. 179/NS, Data Sheet Rev. 1, 05.11.2026.