

## DRAINMAJOR DUO 60 (3ph) (Duty/Standby Wastewater Pumping System with Dual Alarm)



DrainMajor Duo 60 (3ph) Part No.158/A  
(Duty/Standby Wastewater Pumping System with  
Dual Alarm)

### General Description:

DrainMajor Duo 60 (3ph) features a heavy-duty tank and submersible pump for automatically pumping wastewater from commercial kitchens, teapoints, etc.

The DrainMajor Duo provides users with the additional security of duty/standby operation. If one pump should become blocked or fail, the wastewater would rise within the tank, activate the high-level alarm, overflow into the adjoining tank where the other pump would then act as the standby pump.



### Alarm:

The dual zone alarm has two triggered inputs. When triggered it is activated and an LED indication of which input was triggered is illuminated.

It has a built-in backup battery (72 hours) in the event of a power outage. It operates from a switched input, such as a float switch or pressure switch. The alarm can be activated either by a closed circuit switched input or an open circuit switched input. It is designed for connection to 240Vac supply voltages. Once activated, it provides a visual and audio indicator.

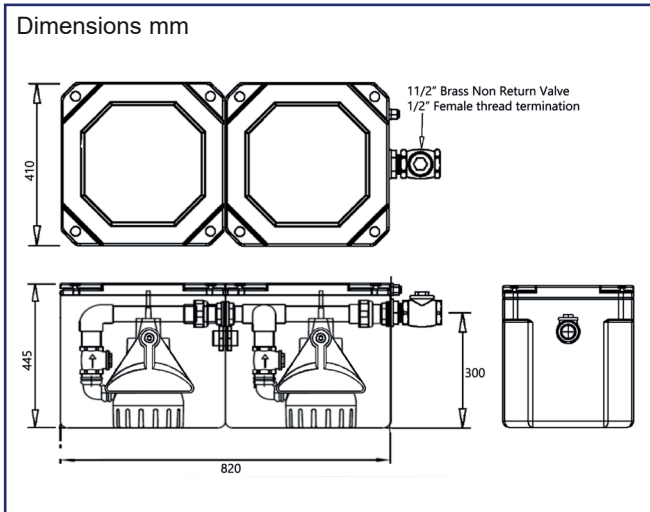
There is an option to connect an external beacon or other circuitry via the auxiliary output and/or the volt-free relay outputs. Each trigger has its own volt-free relay allowing the alarm to be connected to a Building Management System with ease.

### Key Alarm Features

- 2 Alarm inputs
- Alarm LED indicator
- Alarm audio buzzer
- Alarm audio mute button
- Alarm test button
- Power LED indicator
- IP65-rated enclosure
- Auxiliary alarm output for accessories such as a beacon or siren
- 2 independent Volt free relay contact outputs SPDT
- Easy installation no tool required WAGO wiring terminals
- Backup battery with up to 72 hours of run time

**Pump Technology Ltd. - 0118 9821 555 - [www.pumptechnology.co.uk](http://www.pumptechnology.co.uk)**

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(Duty/Standby Wastewater Pumping  
System with Dual Alarm)**



**Tank:**

Manufactured from recyclable polyethylene and fully rigged with internal pipe work and non-return valve. The lid is held in place with easy-to-remove hand screws and sits on a custom moulded, fitted rubber seal.

**Tank Volume: 149.6 litres**

Total Approximate Usable Volume - 99.6 litres

**Tank Inlets:**

To suit site layout, all inverts should be brought into the side of the tank by drilling a hole and using an appropriate tank connector. Minimum invert height 120 mm.

**Tank Outlet:**

Fitted 1 1/2" BSP male thread discharge outlet (NRV supplied female thread)

**Tank Venting:**

To suit site layout, a vent should be taken from the side of the tank by drilling a hole and using an appropriate tank connector. Vent pipe should be 1 1/4" min. to air or via a Pump Technology MicroVent.

It is essential to have inlets into both tanks to ensure both pumps operate.

**Good for the Environment:**



**DrainMajor Duo tanks are made from Recyclable Polyethylene.**

Recycling polyethylene is highly cost effective and therefore successful. It is greener than incineration, far more eco-friendly than landfill disposal and easier to use when manufacturing products such as toys, recycling bins, envelopes and much more.

**Pump:**

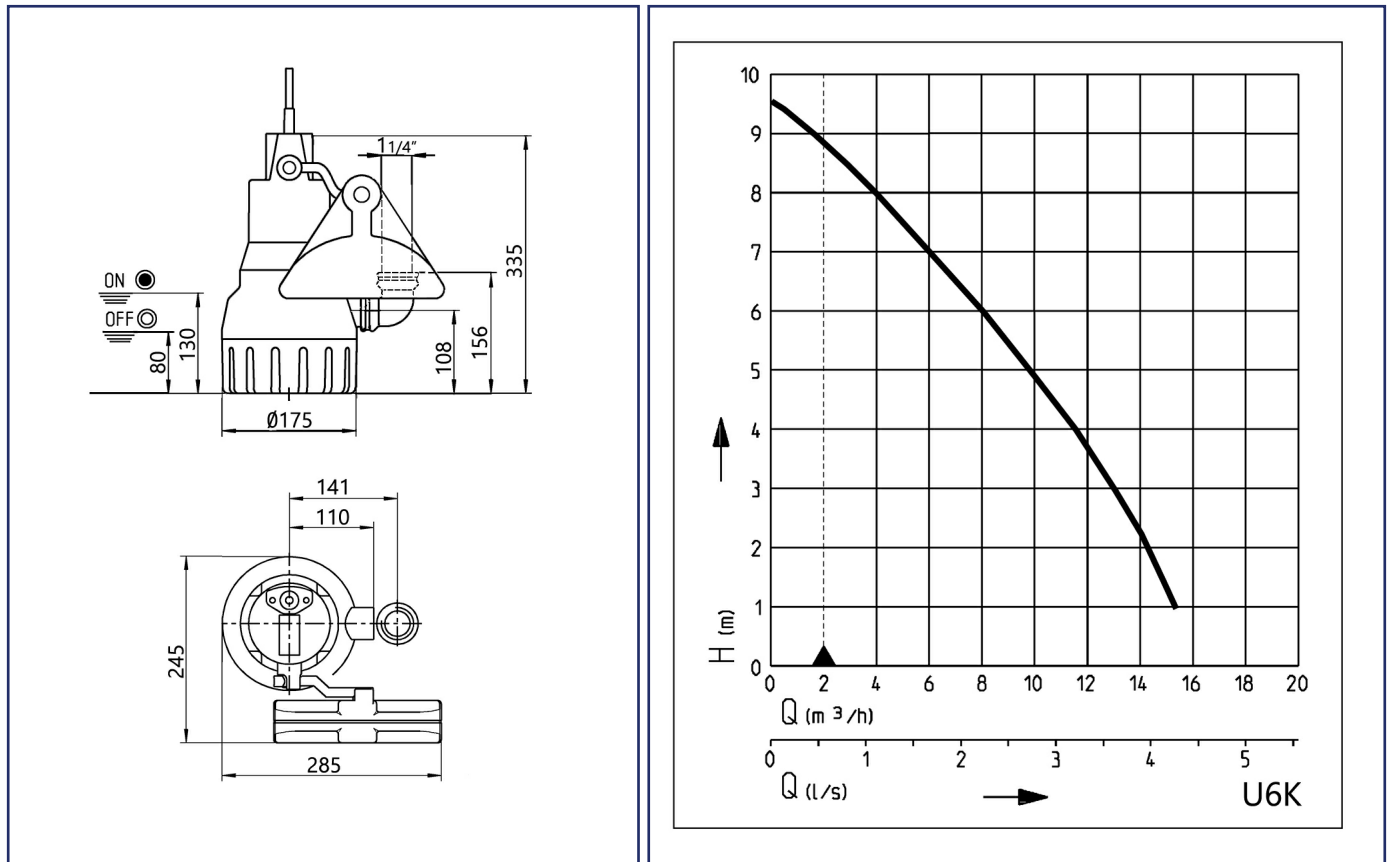
- Safe to run dry
- 20 mm free passage with EIP technology
- Cooling jacket for motor housing
- SiC mechanical seal independent of sense of rotation
- Replaceable moisture sealed cable inlet
- Flushing device
- Fluid temperature 35°C, temporarily 60°C (10 mins)



**Description:**

The heavy duty centrifugal submersible drainage pump U6K ES is suitable for dealing with wastewater and capable of handling soft solids up to 20mm in particle size.

**Dimensions/switching points U6K DS (mm)**



**Scope of Supply**

Pump ready for connection acc. to EN 12050 with 90°, 1¼" female connection elbow, 4m cable with automatic level float switch.

**Mechanical Data**

Pump	Vertical single stage	Run dry protection	Yes
Free passage	20 mm	Shaft	Stainless Steel
Bearing	Ball bearing, grease-lubricated	Impeller	Vortex impeller, GFK
Seal on motor side	Rotary shaft seal	Motor housing	Stainless Steel
Oil chamber	Yes	Submersible	Yes
Seal on medium side	SiC mechanical seal	Pressure outlet	1¼"

**Electrical Data**

Motor rating P1	0.75kW	Winding thermostat	Yes
Type of enclosure	IP 68	Motor protection	Integrated
Insulation Class	B		

**U6K**

Type	Code No.	Voltage	Motor rating P2	Current	Power line	Wires	Plug	Weight
<b>With built-in level control</b>								
U6K DS, 4m cable	<b>JP00229</b>	3/PE-400V	0.55kW	1.3A	4m H07RN-F	4G1,0	CEE	5.9kg

**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
- Warranty: The DrainMajor Duo 60 (3ph) comes complete with a one year warranty.

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Pump Technology Ltd. reserves the right to change the specification without prior notice.