

Compact and totally enclosed digital pressurisation units with electronic pressure transducer and user-friendly microprocessor for use on sealed system in order to provide a minimum system pressure requirement.

The Flexfiller Mini Digital is a slim wall mounted, low flow rate (0.4 l/min) top-up pressurisation unit with 2 litre internal break tank. Ideal for small commercial or large domestic applications. For use on heating systems utilising a 300 litre expansion vessel or less, or chilled systems utilising a 50 litre expansion vessel or less. Available in single or twin pump configuration.

Application

- Commercial and Residential.

**System Volume (Guide): < 2,600 litres.**

### Advantages

Product Features:

- For system volumes up to 2,600 litres.
- Fluid Protection Category 5 (AB Weir Overflow).
- Onscreen Service Reminder - 12 Months.
- Electric pump, 230V 50Hz 1ph.
- Colour: White (RAL 9003).
- MODBUS RTU Communication Protocol.
- Password protected.
- Sequential programming menu.
- Pressure setting in 0.1 bar increments.
- Pump pulse option.
- Flood Protection (Pump Runtime Limiter, Excessive Start Alarm).
- Event logging: Alarm activations, Pump Run counter (activations per pump), Cumulative run timer (hours per pump), Electrical interruption.
- Volt free contacts: Common Alarm (N/C), High Pressure Alarm (N/O), Low Pressure Alarm (N/O), Sensor Health (N/O), Pump 1 Health (N/O), Pump 2 Health (N/O).



### Technical Specifications

#### Operating Conditions:

- System temperature range at point of connection: 5 °C / 85 °C.
- Ambient temperature range: 5 °C / 40 °C.
- Pressure rating: PN 10.
- Relative humidity 95% non-condensing.
- Noise Rating Data: < 75 dBA.

#### Certifications and Standards Applied:

- PED 2014/68/EU Sound Engineering Practice.
- IEE - Electrical Safety Guidance.
- EMC 2004/108/EC.
- BS 7074 Parts 1 to 3.
- Machinery Directive 2006/42/EC.
- Electronic Components have been tested and comply with the EMC Directives.
- EN 61000-6-1: Generic Standards – Immunity standard for industrial environments.
- EN 61000-6-2: Generic Standards – Immunity standard for industrial environments.
- EN 61000-6-3: Generic Standards – Emission standard for residential, commercial and light industrial environment.
- CE marked components, where applicable.
- WRAS approved float valve to BS1212.
- IP54 (BS EN60529) rated controller.

#### Material of Construction:

- Cabinet: Mild steel CR4 Powder Coated.
- Float: WRAS approved.
- Break Tank: Polypropylene.
- Connection: Brass / Polypropylene.
- Pipework: Braided Flexhose / EPDM / Copper.
- Finish: Powder coated.
- Valves: Brass / PTFE.

Description	Flexfiller Mini 230D	
Order Code	17456	
GTIN	08712874174566	
Model	<u>Flexfiller Mini Digital</u>	
Pump quantity	2	
Connections	System [mm]	8 (1/4" M)
	Mains Supply [mm]	15 (1/2" M)
	Overflow [mm]	22
Max. Delivery Pressure [bar]	3	
Power Consumption [kW]	2 x 0.051	
Full Load Current [A]	2 x 0.3	
Weight [kg]	8	

**Dimensions Flexfiller Mini Digital**

Type	Dimensions								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	K [mm]	M [mm]
Flexfiller Mini 130D/230D	150	240	480	500	150	800	70	300	350



**Classification General Data**

<b>Etim Group</b>	Pressurization and expansion systems
<b>Etim Class</b>	Central heating refill installation
<b>Product Name</b>	Flexfiller Mini 230D
<b>Brand</b>	FLAMCO
<b>Product Type</b>	Top Up Units
<b>Order Code</b>	17456
<b>GTIN</b>	08712874174566

**Attributes**

<b>Suitable for membrane pressure expansion tank</b>	Yes
<b>Suitable for compressor-controlled automatic expansion unit</b>	Yes
<b>Connections</b>	Internal thread cylindrical BSPP-G (ISO 228-1)
<b>Nominal diameter</b>	1/2 inch (15)
<b>Outer pipe diameter 1 supply</b>	21.3 Millimetre
<b>Outer pipe diameter 1 return</b>	21.3 Millimetre
<b>Outer pipe diameter 2 supply</b>	21.3 Millimetre
<b>Outer pipe diameter 2 return</b>	21.3 Millimetre
<b>Max. installation content</b>	50000 Litre
<b>With filter</b>	No
<b>With de-aerator</b>	No
<b>Pressure</b>	0.5 - 3 bar
<b>With collection function for expansion water</b>	No
<b>Filling pipe connection</b>	Internal thread
<b>Max. operating pressure</b>	3 Bar
<b>With drain funnel</b>	No
<b>With automatic filling function</b>	No
<b>Connection size of filling pipe</b>	21.3 Millimetre
<b>Height</b>	480 Millimetre
<b>Barrier</b>	Other
<b>Width</b>	210 Millimetre
<b>Category of system separator</b>	Other
<b>Depth</b>	150 Millimetre
<b>With pressure reducer</b>	No
<b>Suitable for softening</b>	No
<b>With system separator</b>	No
<b>Max. temperature at the inlet</b>	85 Degrees celsius
<b>Max. temperature at the outlet</b>	85 Degrees celsius
<b>Suitable for full demineralization</b>	No
<b>Suitable for pH value stabilization</b>	No
<b>With pressure gauge</b>	No
<b>Suitable for fixed installation</b>	Yes
<b>Suitable for mobile use</b>	Yes
<b>With insulation</b>	No

**Find more information online:**[Installation and operating instructions](#)[Kiwa certificate K13471/08](#)[UK Declaration of Conformity](#)[EU Declaration of Conformity](#)[Flexfiller Mini DXF](#)[Flexfiller Mini RFA](#)[Flexfiller Mini STEP](#)[Flexfiller Mini IGES](#)[Collection Pressurisation Units REVIT](#)[Collection Pressurisation Units DXF](#)[Collection Pressurisation Units STEP](#)[Collection Pressurisation Units IGES](#)[Overview of spares kits](#)[Product Datasheet Mini](#)[Packaging data](#)

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