

Compact, totally enclosed combined digital pressurisation units. System fluid is sampled from the system, isolated and subjected to a full vacuum. All dissolved air within the sample is liberated in accordance with Henry's Law and vented to atmosphere. The deaerated fluid is then reintroduced to the system. This process is automatically repeated and controlled with a digital processor. A turbo mode is available for initial system setup to allow for rapid deaeration of new installations. The real-time display shows the status of the mechanical components. The Flexfiller Plus and Midifill Plus are compact, totally enclosed combined digital pressurisation units with vacuum degasser for use on sealed systems in order to provide a minimum system pressure requirement and effective dissolved gas removal.

**System Volume (Guide): < 300,000 litres (Midifill Plus 150D: < 50,000 litres).**

Application:

- Commercial and Industrial.

### Advantages

Product Features:

- For system volumes up to 300,000 litres (Midifill Plus 150D: < 50,000 litres).
- Available with single pump (Midifill Plus) or double pump (for duty/standby configuration).
- Fluid Protection Category 5 (AB Weir Overflow).
- Onscreen Service Reminder - 12 Months.
- Individual controllers for pressurisation and degassing function.
- Vacuum degassing, turbo and normal interval modes.
- Electric pump, 230V 50Hz 1ph (2160D: 415V 50Hz 3ph).
- Colour: Midifill Plus: White (RAL 9003), Flexfiller Plus: Black (RAL 9005).
- MODBUS RTU Communication Protocol.
- System fill mode.
- Password protected.
- Pressure setting in 0.1 bar increments.
- Sequential programming menu.
- 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).
- Optional Additional Volt Free Contacts: Low Pressure Warning (N/O), High Pressure Warning (N/O), Low Water In Break Tank (N/O), Low Additive In Holding Tank (N/O), Pump 1 Run For Topup (N/O), Pump 2 Run For Topup (N/O).



### Technical Specifications

#### Operating Conditions:

- System temperature range at point of connection: 5 °C / 70 °C.
- Ambient temperature range: 5 °C / 40 °C.
- Safety Rating: IP 54.
- Maximum Turbo Runtime: 168 hours (1 week).
- Maximum Normal Downtime: 180 minutes (3 hours).
- Relative humidity 95% non-condensing.
- Noise Rating Data: < 75 dBA.

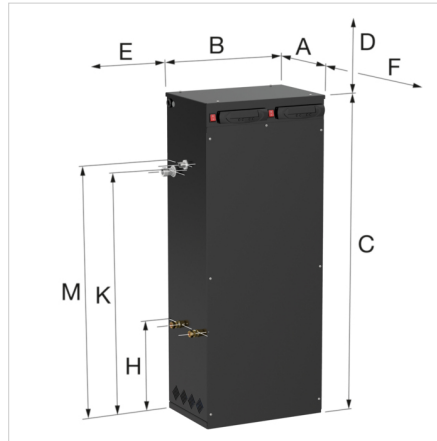
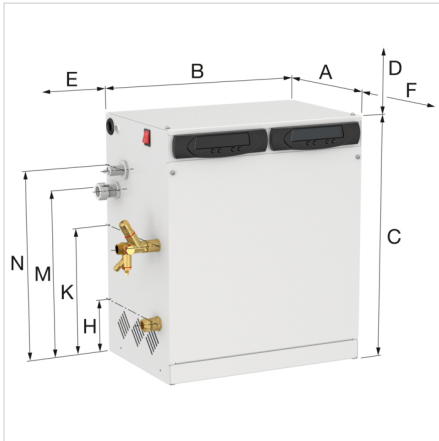
#### Certifications and Standards Applied:

- PED 2014/68/EU Sound Engineering Practice.
- IEE - Electrical Safety Guidance.
- EMC 2004/108/EC.
- BS7074 Parts 1 to 3.
- Machinery Directive 95/16/EC.
- Electronic Components have been tested and comply with the EMC Directives.
- EN61000-6-2: Generic Standards – Immunity standard for industrial environments.
- EN61000-6-3: Generic Standards – Emission standard for residential, commercial and light industrial environment.
- CE marked components, where applicable.
- WRAS approved float valve to BS1212 part 2.
- IP54 (BS EN60529) rated controller.

#### Material of Construction:

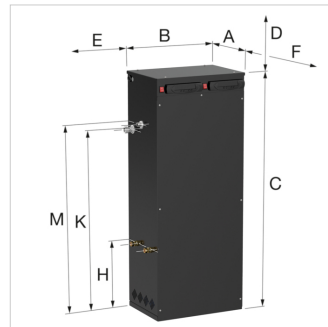
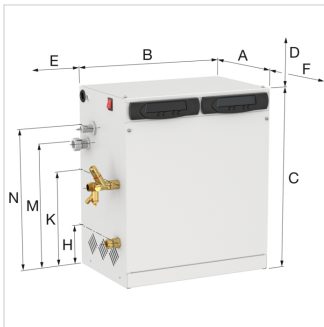
- Cabinet: Mild steel CR4.
- Float: WRAS Approved Beta Side Entry.
- Break Tank: WRAS Approved Polypropylene.
- Cylinder: Stainless steel 304.
- Pump: PEDROLLO (Unit dependant. See pump details for more information).
- Valves: Brass.
- Connection: Brass / Polypropylene.
- Pipework: Braided flexihose / EPDM / Copper.
- Finish: Powder coated.

Description	Flamco Flexfiller Plus 250D	
Order Code	45045	
GTIN	08712874450455	
Model	<u>Flexfiller Plus &amp; Midifill Plus</u>	
Pump quantity	2	
Mounting	Floor	
Pressure rating [PN]	10	
Connections	System [mm]	2 x 15 (1/2")
	Mains Supply [mm]	15 (1/2")
	Overflow [mm]	22
Max. Delivery Pressure [bar]	6.0	
Operating Pressure [bar]	1 - 6	
Power Consumption [kW]	2 x 0.52	
Full Load Current [A]	2 x 3.4	



**Dimensions Flexfiller Plus & Midifill Plus**

Type	Dimensions									
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	K [mm]	M [mm]	N [mm]
Midifill Plus 150D	280	410	510	500	150	800	120	340	380	260
Flexfiller Plus 250D	320	480	1180	500	150	800	340	920	960	-
Flexfiller Plus 280D	660	470	1090	500	150	800	370	690	740	-
Flexfiller Plus 2160D	660	470	1090	500	150	800	370	690	740	-



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