

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 Pro PU is a floor standing, flow rate (up to 18 l/min) top-up pressurisation unit with 18 litre internal break tank. Ideal for Industrial, commercial or large domestic applications. Available in single or twin pump configuration.

Application:

- Commercial, Industrial and Residential.

System Volume (Guide): < 300,000 litres.

Advantages

Product Features:

- For system volumes up to 300,000 litres.
- Pressure setting in 0.1 bar increments.
- Dry Run Protection.
- Anti-Seize Routine (Pump is pulsed for 2 seconds if inactive for 60 days, must be enabled at time of commissioning).
- Electric pump, 230V 50Hz 1ph.
- Colour: Grey (RAL 7016).
- System fill mode.
- Onscreen Service Reminder - 12 Months.
- MODBUS RTU Communication Protocol.
- Password protected.
- Bi-directional programming menu.
- Flood Protection (Pump Runtime Limiter, Excessive Start Alarm).
- Pump pulse option.
- 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 (Requires an additional factory fitted expansion board): 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 / 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.v
Electronic Components have been tested and comply with the EMC Directives.
- 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.
- Valves: Brass / PTFE.

Description	Pro PU 181 / 1-8	
Order Code	21602	
GTIN	08712874216020	
Model	<u>Pro PU</u>	
Pump quantity	1	
Connections	System [mm]	15 (1/2")
	Mains Supply [mm]	15 (1/2")
	Overflow [mm]	22
Max. Delivery Pressure [bar]	8	
Power Consumption [kW]	0.75	
Full Load Current [A]	5.6	
Weight [kg]	34	

Dimensions Pro PU

Type	Dimensions								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	H [mm]	K [mm]	M [mm]
Pro PU 131 - 181	609	325	915	500	150	500	235	587	627
Pro PU 231 - 281	609	325	915	500	150	500	235	587	627



Classification General Data

Etim Group	
Etim Class	
Product Name	Pro PU 181 Single Pump Press Unit 1-8bar
Brand	FLAMCO
Product Type	Top Up Units
Artikelnummer	21602
GTIN	08712874216020

Find more information online:

[Operation and maintenance instructions Pro PU, Pro PUm, Pro PDm](#)

[UK Declaration of Conformity](#)

[Pro PU RFA](#)

[Pro PU STEP](#)

[Pro PU IGES](#)

[DXF Pro PU](#)

[REVIT Pro Range Collection](#)

[Overview of spares kits](#)

[Productdatasheet Pro PU](#)

[Export catalogue](#)

[Packaging data](#)

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