

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 231 / 1-3 | |
| Order Code | 21603 | |
| GTIN | 08712874216037 | |
| Model | <u>Pro PU</u> | |
| Pump quantity | 2 | |
| Connections | System [mm] | 15 ($\frac{1}{2}$ ") |
| | Mains Supply [mm] | 15 ($\frac{1}{2}$ ") |
| | Overflow [mm] | 22 |
| Max. Delivery Pressure [bar] | 3 | |
| Power Consumption [kW] | 2 x 0.37 | |
| Full Load Current [A] | 5.2 | |
| Weight [kg] | 35 | |

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 231 Twin Pump Press Unit 1-3bar |
| Brand | FLAMCO |
| Product Type | Top Up Units |
| Artikelnummer | 21603 |
| GTIN | 08712874216037 |

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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