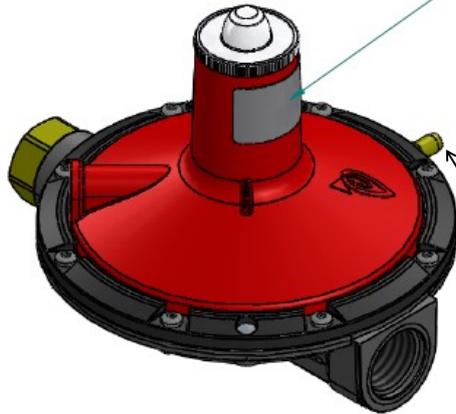




CLESSE PART No.
001120CA

**3rd STAGE 165kW WALL
MOUNTED REGULATOR**

SUPPLIED BY
CLESSE
(UK) LIMITED



NOVACOMET BP2403-UPSO
 50-500 mbar 3rd STAGE
 37 mbar EN16129 Δp5
 PROPANE 12 kg/h (167 kW) PRV 75 mbar
 VENT OUTDOORS UPSO 28 mbar (22/17)

Testpoint

Technical Information

| | |
|---------------------------|----------------------|
| Regulator | BP2403 UPSO |
| Capacity kg/h (kW) | 12(165) |
| Set Pressure | 37 mbar |
| Inlet Pressure(2nd Stage) | 75 mbar (60-90 mbar) |
| Limited relief Valve | 75 mbar |
| UPSO Pressure | 27-30 mbar |
| Design Standard | BS EN 16129 |
| Inlet connection | Rc3/4F ISO/7 (BSP) |
| Outlet connection | Rc1F ISO/7 (BSP) |

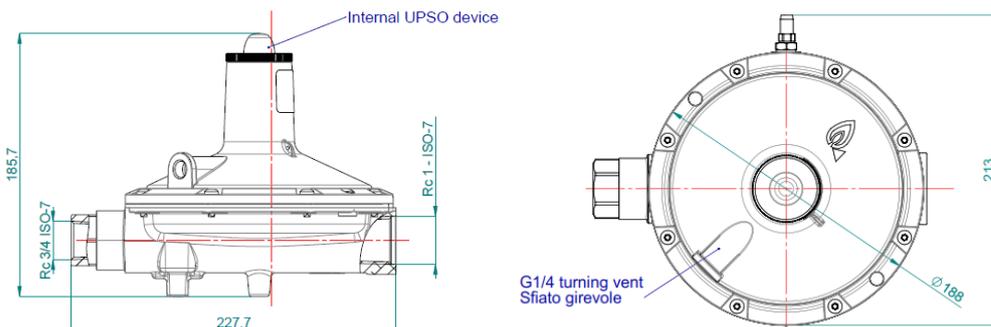
| Item | Qty | Description |
|------|-----|-----------------------------------|
| 1 | 1 | BP2402 3rd Stage regulator |
| 2 | 1 | Wall mount bracket kit and screws |

THIS REGULATOR IS FOR 3 STAGE SYSTEMS AND IS FITTED WITH A RELIEF VENT

Assembly Instruction

Check the contents of the box, ensuring that the regulator meets the pressure and capacity of the installation and all items are present and not damaged.

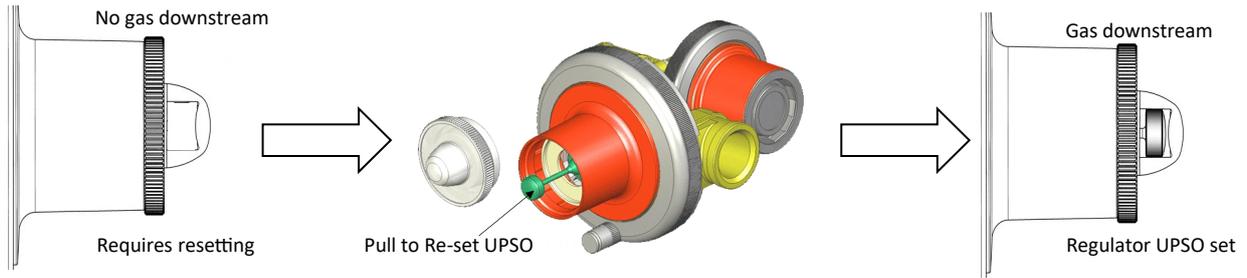
1. Assemble the components as above, using PTFE tape to BS EN 751:3 Type G or Clessetite on the male threads. Tighten fittings on the regulator without applying undue strain on pre-assembled joints, particularly regulator inlet. Assemble to achieve a gas tight seal using a flat jawed spanner on the appropriate points on the regulator.
2. If wall mounted, an additional bracket is supplied, using the self tapping screw .
3. Ensure that the regulator is fitted outdoors where the relief vent can discharge LPG safely if needed. Otherwise, the vent must be piped to an outdoor location, routed so that water cannot collect, and be capable of being self draining. Ensure the regulator or vent tube does not vent in areas that could collect LPG vapour such as un-trapped drains or basements.
4. Perform a gas tightness test to the requirements of UKLPG COP22 or BS 5482:1 – 2005 using the test point on the regulator. Only use a small 3.5mm flat bladed screw driver and avoid over tightening when finished.
5. Use Leak Detection Fluid on the test point, wiping off any remaining residues. If not using LPG for test media, purge the assembly fully before leaving site, ensuring all pipework is plugged or capped.
6. Adjustment of UPSO is not possible. Relief valve can be adjusted using a suitable 12mm box spanner after any pressure adjustment.
7. Fully commission assembly, checking operating pressures only when the appliances are available and connected. Otherwise, check for soundness and lockup before leaving. The regulator is pre-set at the factory. If operating pressure adjustment is required, see overleaf.



| Operating Conditions | Settings |
|-----------------------|---------------|
| Lock-up Pressure | 50mb or less |
| Operating pressure | 37mb +/- 5mb |
| Operating temperature | -20°C to 45°C |

ANY REGULATOR ADJUSTMENTS AND RESET PROCEDURES SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED GAS ENGINEER

Under Pressure Shut Off Valve Reset



Before resetting the Under Pressure Shut Off

1. Ensure any valves downstream of the regulator are closed before introducing gas into the pipework.
2. Check gas is available, turned on upstream of the regulator and that the OPSO is also set.
3. Unscrew the large clear plastic cap on the main body of the regulator as shown.
4. Under cap is the green UPSOU reset, spindle, gently pull the green re-set, hold in this position for whilst downstream pipework fills with gas.

Do not push the spindle after this point.

1. Replace cap, finger tight and commission the installation if required.
2. When reset the green spindle is clearly visible under the clear cap as shown below with the best viewing angle from the side.