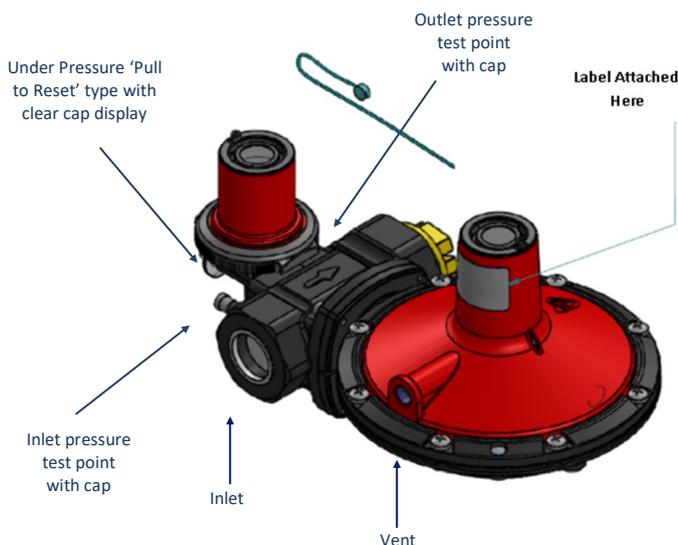




**CLESSE PART No.**  
**001240CC**

**3rd Stage Regulator**  
**37mbar 345kW**  
**CALOR No. 26003**

**SUPPLIED BY**  
**CLESSE**  
**(UK) LIMITED**



NOVACOMET CE  
BP24F-UPSO Δp5  
60-90(150)mbar  
37 mbar EN16129  
25 kg/h PROPANE - 345 kW  
PRV 75 mbar - UPSO 27.5 mbar  
VENT OUTDOORS (48/17)

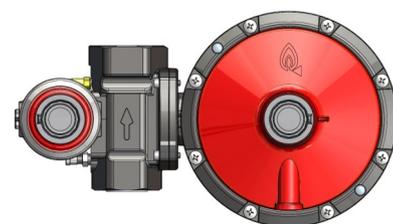
Technical Information	
Regulator	BP24F UPSO
Capacity kg/h (kW) @ min inlet pressure	25kgh (345kW)
Set Pressure	37 mbar (32 - 45)
Inlet Pressure(2nd Stage)	75 mbar (60-90)
Limited relief Valve	75 mbar
OPSO Set Pressure	N/A
UPSO Pressure	27.5 (27-30) mbar
Design Standard	BS EN16129 & CE
Inlet connection	Rc1F ISO/7 (BSP)
Outlet connection	Rc1 1/4F ISO/7 (BSP)

Item	Qty	Description
	1	BP24F UPSO 37mbar 3rd Stage Regulator

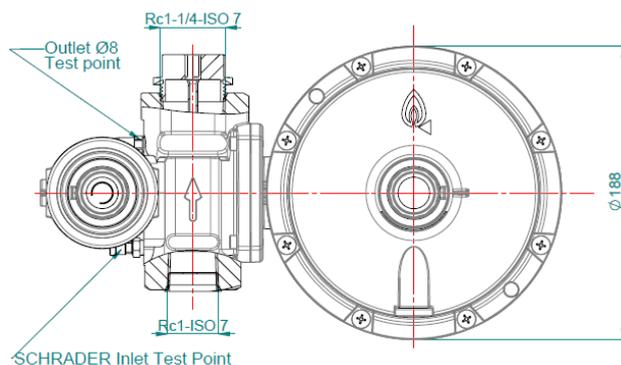
**THIS IS A 3RD STAGE REGULATOR WHICH REQUIRES 75MB INLET PRESSURE.**  
**THIS REGULATOR INCORPORATES A LIMITED RELIEF VALVE AND SHOULD NOT BE FITTED**  
**INDOORS UNLESS VENTED WITH PIPE TO OUTSIDE.**

#### Assembly Instruction

1. 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.
2. This regulator requires 2nd Stage pressure reduction to 75mb. Care must be taken to ensure that 60mb is achieved as a minimum, therefore the regulator has been marked to show this.
3. If the regulator is to be fitted as a wall mounted assembly, the pipework immediately before and after the regulator should be supported.
4. Ensure that the regulator vent position does not collect rain water.
5. Before fitting regulator to wall end PE kit, ensure that the pipe is clear of any debris.
6. Perform a gas tightness test to the requirements of UKLPG COP22 or BS 5482:1 – 2005, to suit the installation. There is an outlet pressure test point (indicated above), use a small 3.5mm flat bladed screw driver and avoid over tightening when finished.
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 and does not normally need adjustment. If operating pressure adjustment is required, see overleaf.
8. Use Leak Detection Fluid on the test points and joints, checking for any leakage and wiping off any remaining residues. If not using LPG for test media, purge the assembly fully before leaving site.
9. The UPSO and Limited Relief Valve settings are pre-set and should not require adjustment.



Install the regulator with vent pointing down or horizontal



Operating Conditions	Settings
Lock-up Pressure	50mb or less
Operating pressure	37mb +/- 5mb
Operating temperature	-20°C to 45°C
Max Operating Inlet Pressure	150mb
Special Builds & Assemblies with Meters Available	

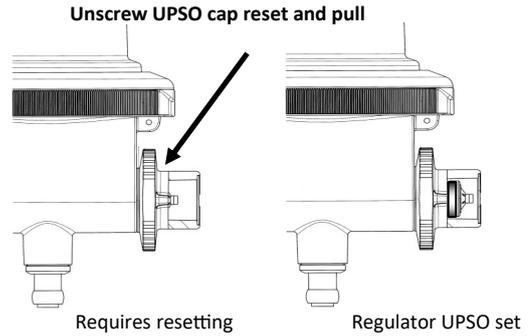
#### Engineer information on regulator design:

This regulator is fitted with a limited relief valve and should be fitted outdoors.

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

**Under Pressure Shut Off Valve Reset**

1. Under Pressure Shut Off must be reset by a qualified gas engineer, who should establish any cause for tripping, particular if this device trips repeatedly.
2. The device is fitted with a sealing wire, this must be replaced when reset (not shown).
3. The gas supply does not require to be turned on, but ensure downstream valves have been turned off before resetting.
4. Remove sealing wire and unscrew the UPSO reset cap, in doing so this will begin to engage the reset spindle.
5. The UPSO cap is attached to the green reset indicator inside and is used to pull the device to reset—pull the cap firmly.
6. When reset, replace cap, finger tighten, and reseal with new wire seal.



**Vent orientation: “Rotatable Vent”**

Breather vent orientation is made easier by the new Rotatable Vent cover, to prevent water from entering and/or accumulating in the regulator, either by rain, humidity, or condensation. The operation can be carried out on site by a qualified engineer.

1. Unscrew the 8 screws, one by one.
2. Rotate and orientate the regulator cover with vent oriented downwards.
3. Redo the 8 screws alternately.
4. Perform a leak test to ensure the installation is sound and the Rotatable Vent cover is sealed.



**Rotatable Diaphragm Case**

After installation into the pipework, it's easy to rotate the diaphragm casing to fit into confined spaces or to position the vent downward as advised previously. Please proceed as follows:

1. Slack off (with a hexagon wrench) the 4 screws around the flange, one by one.
2. Rotate and orientate the diaphragm casing as necessary.
3. Redo the 4 screws alternately.
4. Perform a leak test to ensure the installation is sound and the Rotatable Vent cover is sealed.

