

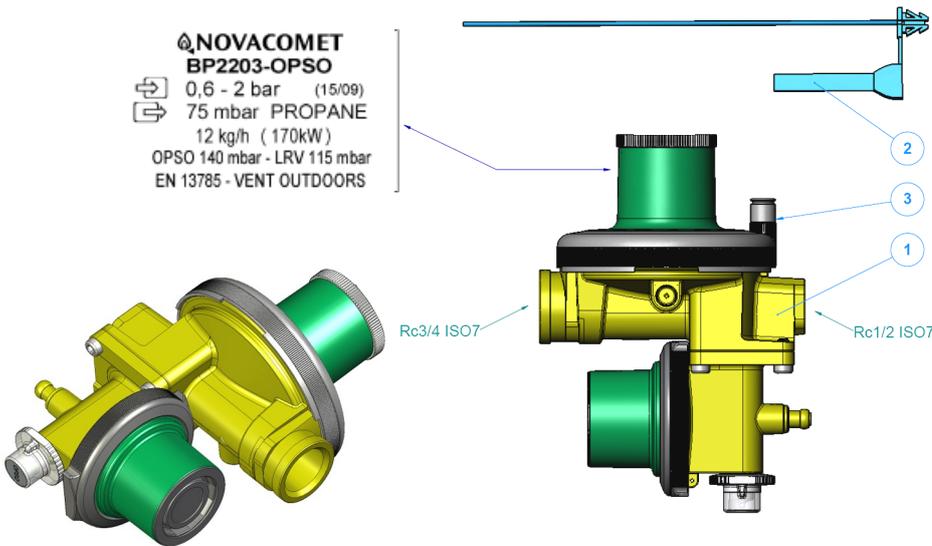


**CLESSE PART No.**  
**006827AD**

**2<sup>nd</sup> STAGE REGULATOR**  
**75 mbar 174 kW**

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

**NOVACOMET**  
**BP2203-OPSO**  
0,6 - 2 bar (15/09)  
75 mbar PROPANE  
12 kg/h (170kW)  
OPSO 140 mbar - LRV 115 mbar  
EN 13785 - VENT OUTDOORS



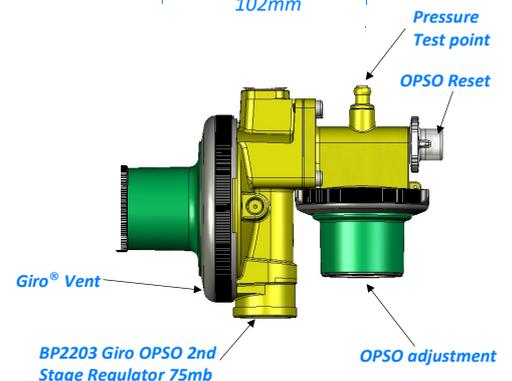
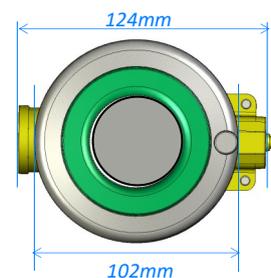
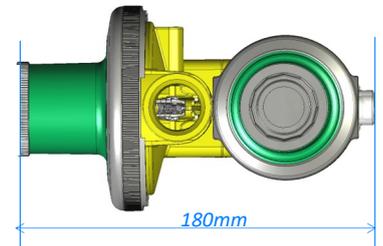
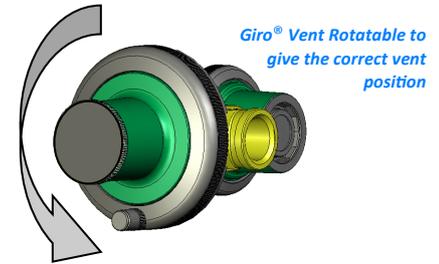
Technical Information	
Regulator	BP2203 + APZ400 GIRO® VENT
Capacity kg/h (kW)	12.5 (174)
Set Pressure	75 mbar
Inlet Pressure 2nd Stage	0.45-2 bar
Limited relief Valve	110 mbar
OPSO Set Pressure	140 mbar
Design Standard	BS EN 16129
Inlet connection	Rp1/2F ISO/7 (BSP)
Outlet connection	Rc3/4F ISO/7 (BSP)

Item	Qty	Description
1	1	BP2202 OPSO Giro 37mb 2nd Stage Regulator
2	1	OPSO sealing wire
3	1	Giro® Vent Cover

#### Assembly Instruction

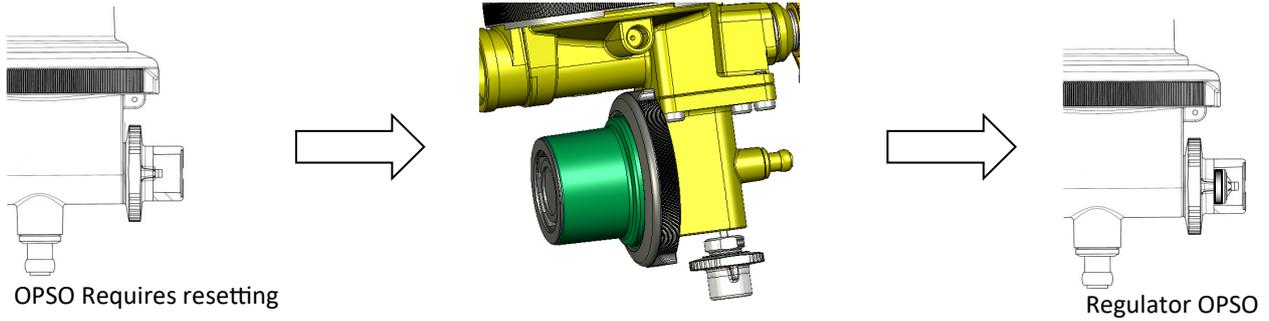
1. Check the contents of the box, ensuring that the regulator meets the pressure and capacity of the installation and all items are present and not damaged.
2. This regulator requires 1st Stage pressure reduction down to 4 bar or below. Due to liquefaction at low ambient temperatures, Clesse recommends the use of inlet pressure of 2 bar or below, therefore, the regulator has been marked to show this.
3. If the regulator is to be fitted as a wall mounted assembly, then a wall mounting bracket can be fitted to the regulator (Calor part No.26178 - Diagram overleaf). Remove two screws only from the opposing sides of OPSO body as shown, using an Allen key 4mm. Fit the bracket as shown to the regulator, (note the bracket is specially angled to allow close fitting to wall) replace, and retighten screws.
4. When installed, ensure that the second stage regulator diaphragm is in the vertical position. Rotate the movable GIRO® vent to the Bottom Dead Centre position. For convenience whilst assembling, this can be removed and refitted at the end of installation
5. Before fitting regulator to wall end PE kit, ensure that the pipe is clear of any debris. Use a 1/2" M/F filter Clesse part No. 004401 if there is any doubt, as debris will cause regulator failure.
6. Perform a gas tightness test to the requirements of UKLPG COP22 or BS 5482:1 – 2005 to suit the installation. There is a test point on the second stage regulator, only 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 when used. If operating pressure adjustment is required, see overleaf.
8. Use Leak Detection Fluid on the test point and OPSO flange (if fitting the wall bracket) checking for any leakage, wipe off any remaining residues. If not using LPG for test media, purge the assembly fully before leaving site.
9. Adjustment of Limited Relief Valve is not possible, OPSO setting is pre-set and should not require adjustment.
10. Fit the OPSO seal, passing the wire through the regulator hole in the OPSO body and clear plastic OPSO cap.

**This is a 75 mbar Second Stage regulator designed to be used with a 3rd Stage regulator down stream.**



Operating Conditions	Settings
Lock-up Pressure	98 mb or less
Operating pressure	75mb +/- 5 mb
Operating temperature	-20°C to 45°C

### Over Pressure Shut Off Valve Reset on a 2nd Stage Regulator



1. Over 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
3. If the OPSO has tripped together with UPSO then the OPSO must be reset first
4. The gas supply does not require to be turned on, but ensure downstream valves have been turned off before resetting

### Nominal Pressure Adjustment



Regulator adjustment is not normally required, however, in the event that this is needed:

1. Remove the top cap, remove and discard the white plastic tamperproof disc, and adjust to give the desired pressure.
2. Replace the cap.

Adjust the disc to alter outlet

### Fitting Wall End Bracket

1. Remove two screws only from the opposing sides of OPSO body as shown, using an Allen key 4mm.
2. Fit the bracket as shown to the regulator, (note the bracket is specially angled to allow close fitting to wall) replace, and retighten screws.

