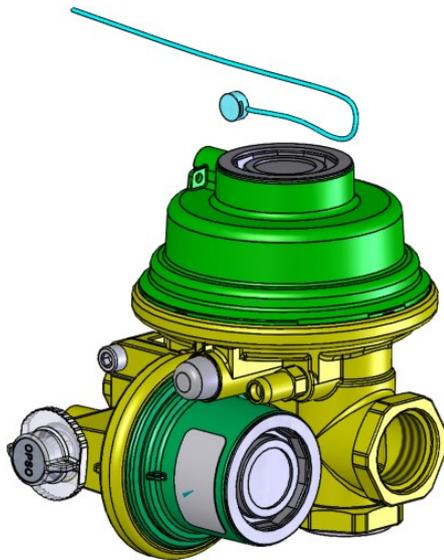




CLESSE PART No.
006829FE

**BP2284 2ND STAGE UPSO
OPSO METERBOX REGULATOR**
37mb 9kg/h 125kW

SUPPLIED BY
CLESSE
(UK) LIMITED

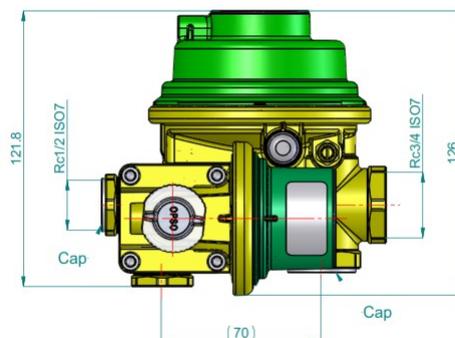


Technical Information	
Regulator	BP2203 GIRO® VENT
Capacity kg/h (kW)	9 (125)
Set Pressure	37 mbar
Inlet Pressure(2nd Stage)	0.3-2 bar
Limited relief Valve	75 mbar
OPSO Set Pressure	100 mbar
UPSO Pressure	>25 mbar
Design Standard	EN16129
Inlet connection	Rc1/2F ISO/7 (BSP)
Outlet connection	Rc3/4F ISO/7 (BSP)

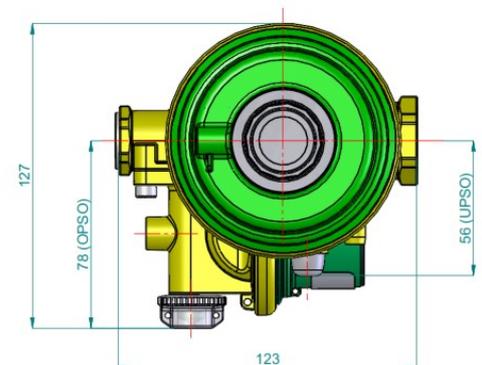
Assembly Instruction

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 when using LPG 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. 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 regulator, only use a small 3.5mm flat bladed screw driver and avoid over tightening when finished.
4. Fully commission assembly, checking operating pressures only when the appliances are available and connected. Otherwise, check for soundness and lockup before leaving.
5. Use Leak Detection Fluid on the test point, checking for any leakage and wiping off any remaining residues. If not using LPG for test media, purge the assembly fully before leaving site.
6. Adjustment of UPSO and Limited Relief Valve is not possible. OPSO setting is pre-set and should not require adjustment.
7. Fit the OPSO seal, passing the wire through the regulator hole in the body and clear plastic OPSO cap.

The regulator is pre-set at the factory and does not normally need adjustment. If operating pressure adjustment is required, see overleaf.



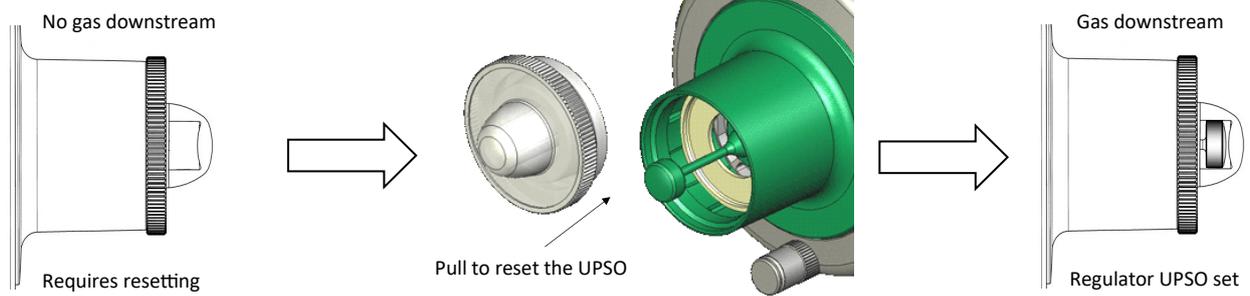
This regulator is used in all medium pressure meter box assemblies supplied by Clesse UK.



Operating Conditions	Settings
Lock-up Pressure	50mb or less
Operating pressure	37mb +/- 5mb
Operating temperature	-20°C to 45°C
Max Operating Inlet Pressure	4bar

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

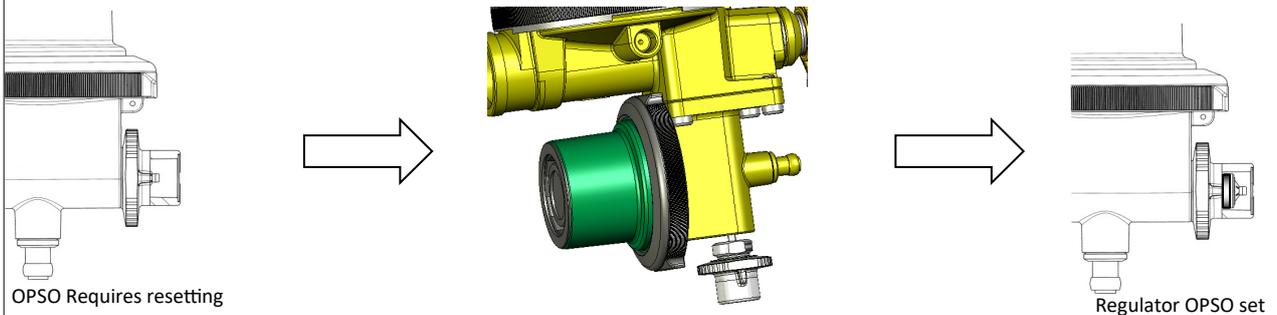
Under Pressure Shut Off Valve Reset on a 2nd Stage Regulator



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 this cap is the green UPSO reset spindle; gently pull the green re-set and hold in this position whilst downstream pipework fills with gas.
Do not push the reset spindle
5. Replace the cap, finger-tighten, and commission the installation if required.
6. When reset, the green spindle is clearly visible under the clear cap as shown, with the best viewing angle from the side.

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, particularly 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 is not required to be turned on, but ensure downstream valves have been turned off before resetting.
5. Remove sealing wire and unscrew the OPSO reset cap, in doing so this will begin to engage the reset spindle.
6. The OPSO cap is attached to the green reset indicator inside and is used to pull the device to reset, pull the cap firmly.
7. When reset, replace cap, reseal with new wire seal, and if required, proceed to reset UPSO.

Nominal Pressure Adjustment



Regulator adjustment is not normally required. In the event that this is needed:

1. Remove the 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 pressure