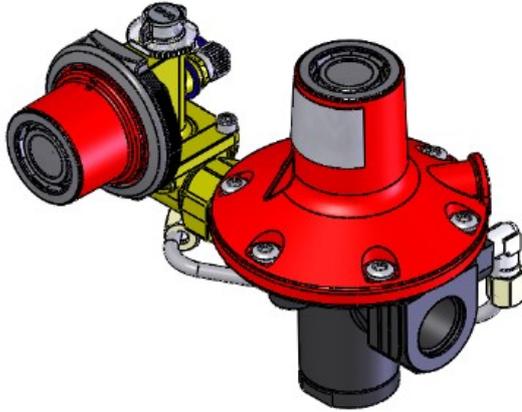




CLESSE PART No.
006869GE

1st Stage Reg OPSO APS2000
0.75 bar 1660kW

SUPPLIED BY
CLESSE
(UK) LIMITED

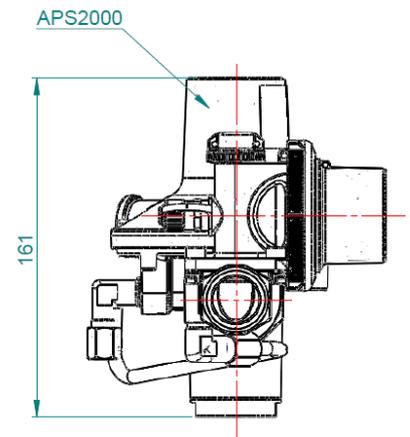
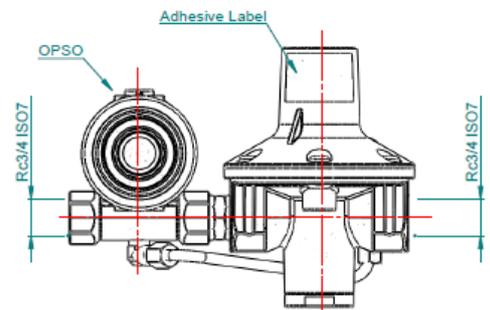


NOVACOMET
APS2000 - OPSO
1,5÷16 bar (Ps:20 bar)
Pd=0,75 (0,5÷2) bar
OPSO 2,5 (2÷4)bar G.23 / H.19
120 kg/h PROPANE (1670 kW)
EN16129 (29/15)

Technical Information	
Regulator	APS2000 OPSO
Capacity kg/h (kW)	120 (1660) *
Set Pressure	0.75 bar (0.5-2)
Max inlet Pressure	16 bar
OPSO Set Pressure	Standard setting 2.5 bar (2-4)
Design Standard	BS EN16129
Inlet connection	Rc3/4F ISO/7 (BSP)
Outlet connection	Rc3/4F ISO/7 (BSP)
Pressure test point	Schrader valve

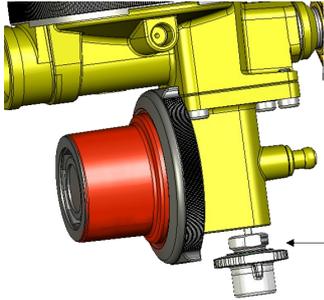
Assembly Instruction

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. Assemble the regulator using PTFE tape to BS EN 751:3 Type G or Clessetite on the male threads, note. Tighten the regulator without applying undue strain on pre-assembled joints, particularly between regulator & OPSO. Assemble to achieve a gas tight seal using a flat jawed spanner on the appropriate points on the regulator.
3. Vent and breather position should be either horizontal or pointing downwards, to prevent water ingress or build up of condensation inside the regulator.
4. Any Steel pipe to be threaded should be de-burred and thoroughly cleaned of any loose material before assembly onto the First Stage regulator assembly. Use flat jawed spanner at the outlet end of the OPSO when screwing the pipe.
5. When assembling onto tank manifold or pipework, ensure no undue strain on the regulator occurs while doing so.
6. Perform a gas tightness test to the requirements of UKLPG COP22 or BS 5482:1 – 2005 using the Schrader test point on the OPSO unit. Refit the dust cap when complete.
7. Use Leak Detection Fluid on the test point and POL connection, 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.
8. 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. 1st stage regulators should be adjusted dynamically taking into consideration inlet pressures.
9. The OPSO unit is pre-set at 2.5 bar, unless this has been pre-set and labelled by Clesse, and should not require adjustment unless there are exceptional installation conditions. Any modification must use safe systems of work whilst on site, due to the elevated pressures required in testing.
10. Fit the OPSO seal, passing the wire through the regulator hole in the OPSO body and clear plastic OPSO cap.



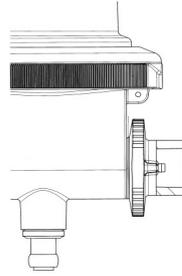
*Operating Conditions	Settings
Pressure Range	0.7-2 bar
Inlet Operating Pressure to achieve declared capacity	2.5 - 12 bar
Operating temperature	-20°C to 45°C
OPSO Sensing Method	Internal
Lockup Pressure	Up to 30% above nominal pressure setting
*Capacity (inlet pressure must be 0.5bar above outlet pressure and max pressure 12bar)	120kg/h 2.5 bar 150kg/h at 3.5 bar inlet pressures

Over Pressure Shut Off Valve Reset

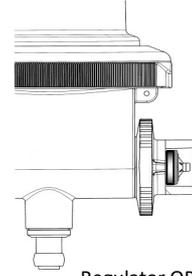


IT IS A LEGAL REQUIREMENT THAT OPSO RESET CAN ONLY BE PERFORMED BY SUITABLY QUALIFIED GAS ENGINEER

Unscrew OPSO cap reset and pull



Requires resetting



Regulator OPSO set

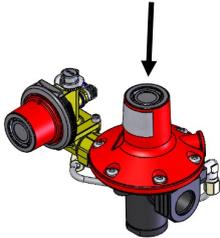
1. Over Pressure Shut Off must be reset by a qualified gas engineer, who should establish any cause for tripping, particularly if this device trips repeatedly.
2. The device is fitted with a sealing wire, this must be replaced when reset (not shown).
3. If the OPSO has tripped together with UPSO, the OPSO must be reset first.
4. Gas supply does not require 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, finger tighten, and reseal with new wire seal. If required, proceed to reset UPSO.

Nominal Pressure Adjustment

The APS2000 is pressure compensated, meaning outlet pressure will remain at 0.75bar within normal operating inlet pressures of 1.5-16bar.

If you wish to alter the outlet pressure of the APS2000:

Remove the cap highlighted.



Turn the disc clockwise to increase outlet pressure and anti-clockwise to decrease.



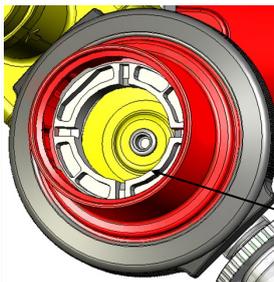
Please note that OPSO settings will not adjust with outlet pressures, so OPSO settings should be considered when adjusting the outlet pressure.

OPSO Adjustment

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

1. Remove the black OPSO cap and adjust to give the desired pressure. Reset OPSO and recheck settings.

ANY ADJUSTMENT CAN ONLY BE PERFORMED BY A SUITABLY QUALIFIED GAS ENGINEER



Adjust here to alter OPSO pressure