

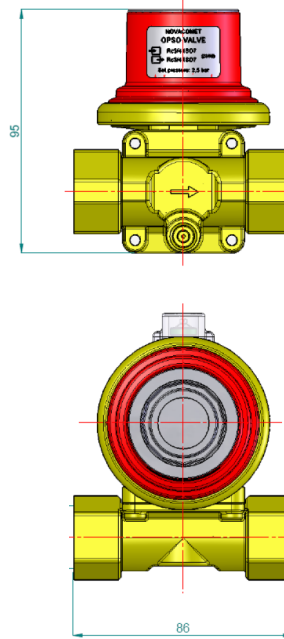
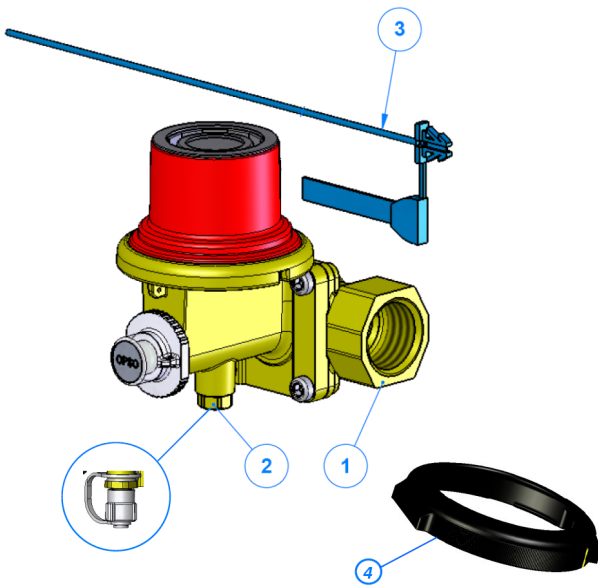


CLESSE PART No.
004393AA

1/2" INTERNALLY SENSED INLINE
OPSO 2-4bar 120kg/h 1670kW

SUPPLIED BY
CLESSE
(UK) LIMITED

02/2023



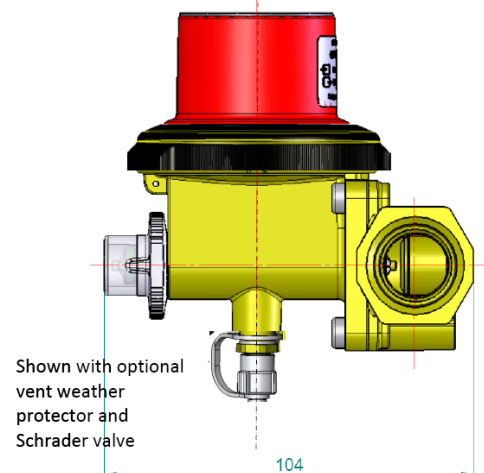
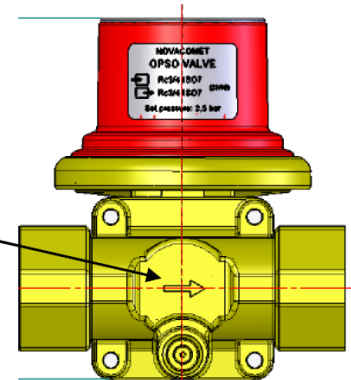
Technical Information	
OPSO (*Internal Sensing)	HP OPSO
Capacity kg/h (kW)	120 (1670)
Set Pressure	2.5bar (2-4)
Max Inlet Pressure	16bar
Limited relief Valve	None
Inlet connection	Rc1/2F ISO/7 (BSP)
Outlet connection	Rc1/2F ISO/7 (BSP)
Orifice size	12mm

**Externally sensed option available—
please contact Clesse UK for more information.*

Item	Qty	Description
1	1	Novacommet HP OPSO
2	1	Plugged Connection for Schrader
3	1	Wire OPSO seal
4	1	Vent Weather Cover (optional)

Assembly Instruction

1. Check the contents of the box, ensuring that the OPSO unit meets the pressure and capacity of the installation and all items are present and not damaged.
2. 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. Assemble to achieve a gas tight seal is using a flat jawed spanner on the appropriate points on the regulator.
3. Ensure that the OPSO unit is fitted in the correct orientation, noting the flow arrow on the OPSO body pointing.
4. Ensure that the OPSO is fitted outdoors, ideally with diaphragm in horizontal location. Otherwise, fit the (optional) plastic vent weather protector.
5. Perform a gas tightness test to the requirements of UKLPG COP22 or BS 5482:1 – 2005. Some models may be fitted (optional) with Schrader valve test point, use the appropriate adaptor then refit the protective dust cap when finished.
6. 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.
7. Normally, adjustment of OPSO is not required where the nominal operating pressure below is 1.5 bar. Otherwise, adjust to the required setting using a suitable 13mm box spanner, socket spanner, or large screwdriver. Any adjustment should take into consideration the upstream regulator operating conditions and pipework/equipment being protected downstream (more details overleaf)
8. Following adjustment, test the OPSO operation using appropriate safe systems of work, taking into consideration the pressure hazards and installation constraints, together with approved methods and systems of work. Otherwise, advise Clesse of your requirements and the OPSO can be pre-set before delivery. If operating pressure adjustment is required, see overleaf.
9. Fully commission assembly, including regulators, checking operating pressures only when the appliances are available and connected. Otherwise, check for soundness and lockup before leaving.

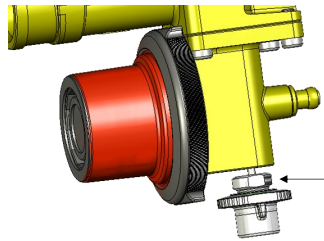


Shown with optional
vent weather
protector and
Schrader valve

Operating Conditions	Settings
Pressure Range	2—4 bar
Operating pressure	0 - 16bar
Operating temperature	-20°C to 45°C
Sensing Method	Internal

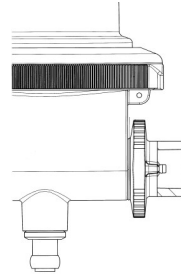
ANY REGULATOR ADJUSTMENTS AND RESET PROCEDURES SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED GAS ENGINEER

Over Pressure Shut Off Valve Reset

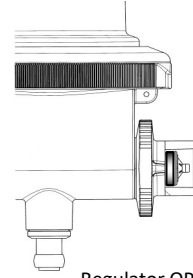


IT IS A LEGAL REQUIREMENT THAT OPSO RESET CAN ONLY BE PERFORMED BY A SUITABLY QUALIFIED GAS ENGINEER

Unscrew OPSO cap reset and pull



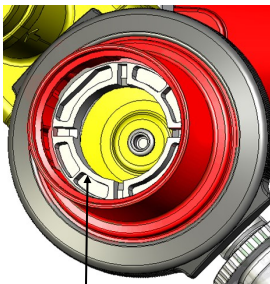
Requires resetting



Regulator OPSO set

1. Over Pressure Shut Off must be reset by a qualified gas engineer, who should establish any cause for tripping, particular 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. The 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.

OPSO Pressure Adjustment



Adjust here to alter outlet pressure

1. Remove the black OPSO cap.
2. Adjust to give the desired pressure setting, then check by applying sufficient pressure to trip the OPSO at least twice.
3. Replace the OPSO cap and reset OPSO as indicated on this instruction.

ANY ADJUSTMENT CAN ONLY BE PERFORMED BY A SUITABLY QUALIFIED GAS ENGINEER, TRAINED IN THE HAZARDS OF PRESSURISED LPG EQUIPMENT, USING SUITABLE SAFE SYSTEMS OF WORK