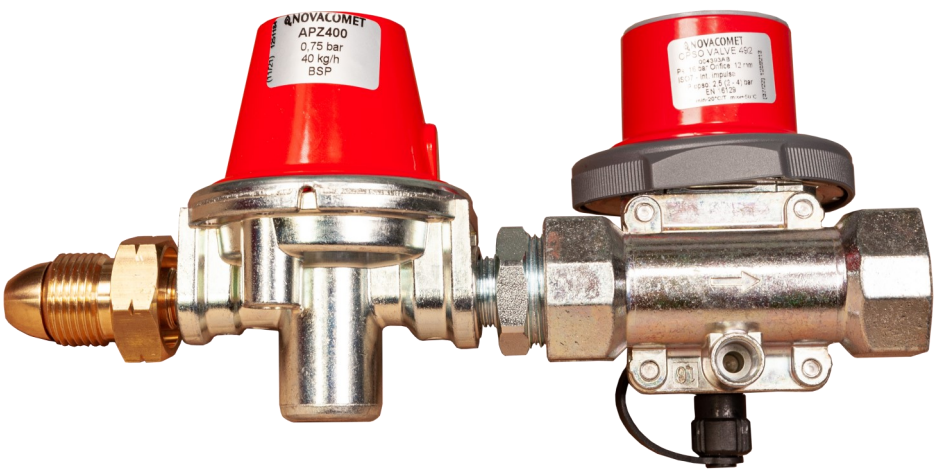
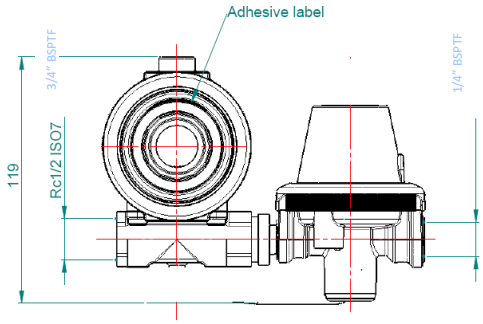
CLESSE PART No. UU6865/0.75	APZ400 1ST STAGE OPSO 0.75 bar 40kg/h 552kW	SUPPLIED BY CLESSE (UK) LIMITED	*02/2023*

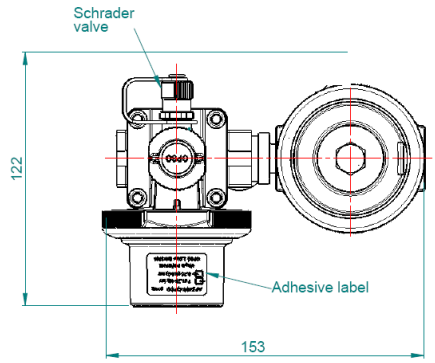


Technical Information	
Regulator	APZ400 OPSO
Capacity kg/h (kW)	40 (552)
Set Pressure	0.75 bar fixed
Max inlet Pressure	16 bar
OPSO Set Pressure	Standard setting 2.5 bar (2-4)
Design Standard	EN13785 / EN16129
Inlet connection	US POL
Outlet connection	Rc1/2F ISO/7 (BSP)
Pressure test point	Schrader valve

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. 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 threaded should be de-burred and thoroughly cleaned of any loose material before assembly onto the First Stage regulator assembly. Use a flat jawed spanner at the outlet end of the OPSO when screwing the pipe. The use of a suitable filter is highly recommended.
4. When assembling onto tank manifold or pipework, ensure no undue strain on the regulator occurs.
5. 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.
6. 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.
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 is not adjustable.
8. The OPSO unit is pre-set at 2.5bar, unless this has been set to a different pressure and labelled by Clesse, and should not require adjustment unless there are exceptional installation conditions. Any modification must use safe systems of work, due to the elevated pressures required in testing.
9. Fit the OPSO seal, passing the wire through the hole in the OPSO body and clear plastic OPSO cap.

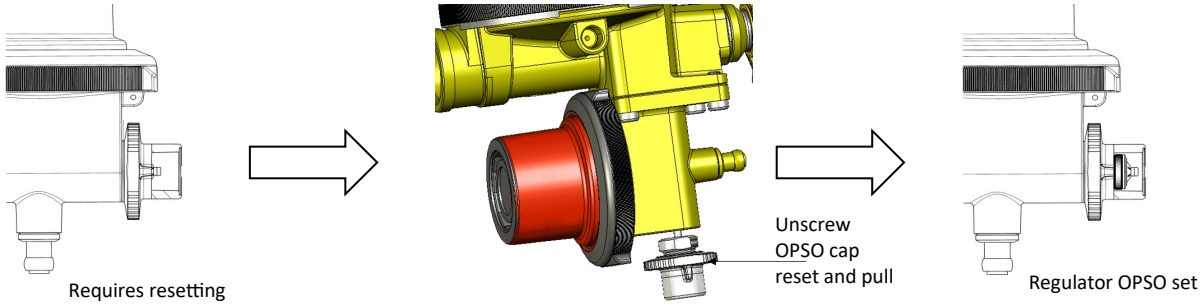




*Operating Conditions	Settings
Pressure Range	0.75 bar
Inlet Operating Pressure to achieve declared capacity	1,25 - 16 bar
Operating temperature	-20°C to 45°C
OPSO Sensing Method	Internal
Lockup Pressure	Up to 30% above nominal pressure setting

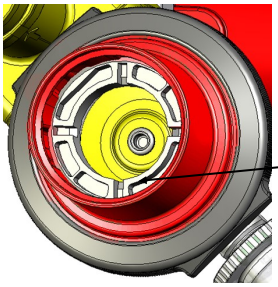
ANY REGULATOR ADJUSTMENTS AND RESET PROCEDURES SHOULD BE CARRIED OUT BY A SUITABLY QUALIFIED GAS ENGINEER

Over Pressure Shut Off Valve Reset



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. 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 tight and reseal with new wire seal, if required proceed to reset UPSO

OPSO Adjustment



1. OPSO adjustment is not normally required—however in the event that this is required
2. Remove the black OPSO cap using special key, and adjust to give the desired pressure.
3. Reset OPSO and recheck settings.