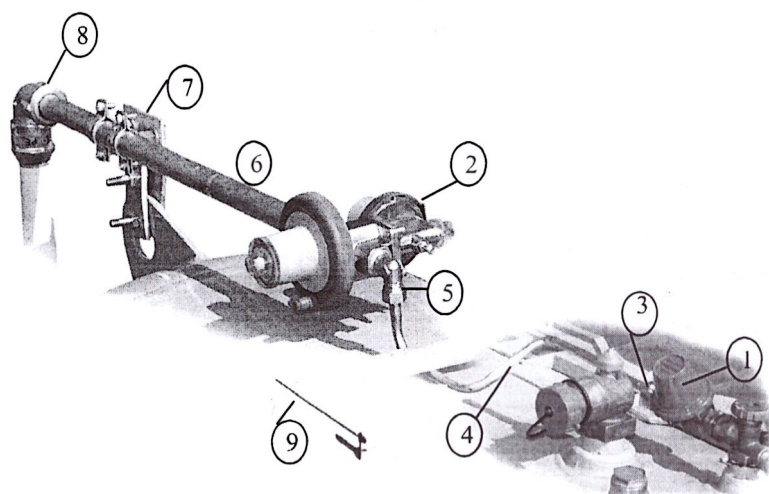




**CLESSE**  
**PART No.**  
**UUTANKKITBES**

**Standard above ground**  
**37mb Installation kit**  
**10.5kg/h - 146Kw - 495K BTU**

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

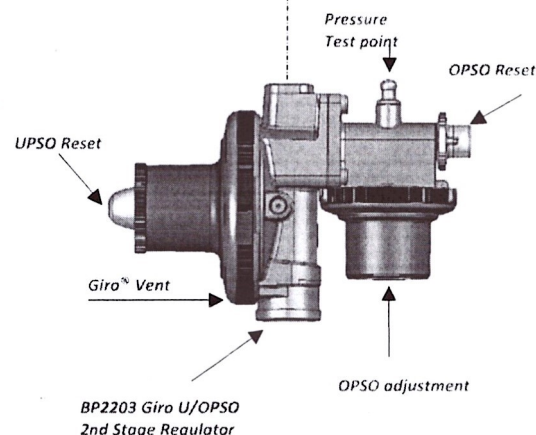
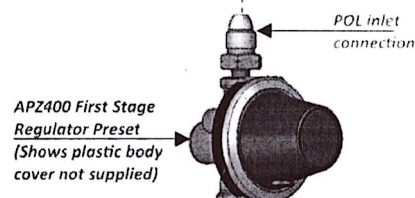
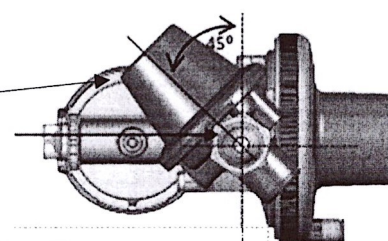


Technical Information	
Regulator	APZ400 + BP2203 GIRO® VENT
Capacity kg/h (kW)	10.5 (146)
Set Pressure (1st Stage)	0.75 bar
Set Pressure(2nd Stage)	37 mbar
OPSO Set Pressure BP2203	100mb
UPSO Pressure BP2203	27-30mb
Design Standard	EN13785
Inlet connection	Straight POL US
Outlet connection	Rc3/4F ISO/7 (BSP)

Item	Qty	Description
1	1	APZ400 1ST STAGE 0.75 BAR FIXED REGULATOR
2	1	BP2203 37mbar UPSO/OPSO REGULATOR
3	1	10MM O/D TUBE x 3/8" BSPTM STD
4	1	1.2m x 0.8mm COPPER TUBE
5	1	10MM O/D TUBE x 1/2" BSPTM STD ELBOW
6	1	3/4" GALV TUBE 1 mtr
7	1	TANK BRACKET
8	1	GF ELBOW STEEL x PE 3/4" x 25mm GRP NUT
9	1	OPSO SEALING WIRE

#### 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. Any missing items can be replaced by Clesse (UK) Ltd, contact details are shown at the bottom of this leaflet.
2. The first stage regulator set at an angle of 45° left of TDC as shown. This is to aid drainage.
3. Fit 3/8" x 10mm compression stud coupling to the outlet of 1st stage regulator
4. Fit the 1/2" x 10mm compression elbow to inlet of the 2nd stage regulator. 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 the Giro® can be removed and refitted at the end of installation. Use the pipe bracket supplied (7) to support the assembly with out undue strain on the vapour POL connection.
5. Steel pipe (not supplied) to be cut to length, threaded, de-burred and thoroughly cleaned of any loose material before assembly onto the Second Stage regulator assembly. Use flat jawed spanner at the outlet end of the 2nd stage regulator when screwing the pipe.
6. When installing the first and second stage regulators, connect both stud couplings using 10mm copper tubing (not supplied) and bend pipe without kinking. Ream out any burrs from inside the copper tube. Tighten joints as necessary to ensure a gas tight seal.
7. Install the 2nd stage regulator assembly to the vessel. Tighten the pipe clamps ensuring no undue strain on the assembly occurs when doing so.
8. Connect PE transition fitting to steel and PE pipe following manufactures instructions
9. Attach the PE pipe to the transition fitting as per manufacturers instructions.
10. On completion perform a gas tightness test to the requirements of UKLPG COP22 or BS 5482:1 – 2005 using the test point on the second stage regulator. Only use a small 3.5mm flat bladed screw driver and avoid over tightening when finished.
11. 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.
12. Fully commission assembly checking operating pressures only when the appliances are available and connected otherwise check for soundness and lockup before leaving. Note—the regulators are pre set at the factory and do not normally need adjustment when used. If operating pressure adjustment is required see overleaf. The 3rd stage regulator is fitted with a relief valve and there must be fitted outdoors or a vent pipe fitted to the breather and routed outdoors to a safe location.
13. Adjustment of UPSO and Limited Relief Valve is not possible, OPSO setting is preset, and should not require adjustment.
14. Finally fit the OPSO seal passing the wire through the 2nd stage regulator hole in the OPSO body and clear plastic OPSO cap. Fit the earth tag on the opposite lifting lug on the vessel.



CLESSE (UK) LTD and NOVACOMET ARE PART OF CLESSE INDUSTRIES SA  
MANUFACTURING AND SUPPLYING LPG EQUIPMENT THROUGHOUT EUROPE

Clesse (UK) Ltd, Drakes Broughton Business Park, Worcester Road,  
Drakes Broughton, Pershore, Worcestershire, UK, WR10 2AG  
Tel 0044(0)1905 842020 Fax 01905 842021 Email [sales@clesse.co.uk](mailto:sales@clesse.co.uk)

2nd Stage Operating Conditions	Settings
Lock-up Pressure	45mb or less
Operating pressure	37mb (+/-5mb)
Operating temperature	-20°C to 45°C
Flow rates	10.5kg/h