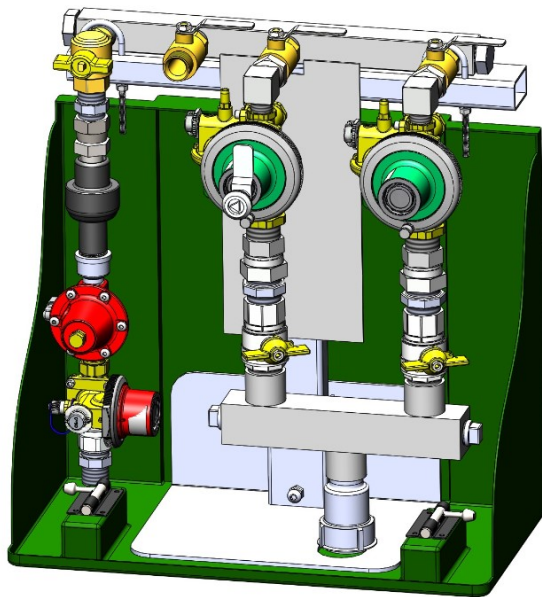




CLESSE PART No.  
UUTS2ST30KG

1ST & 2ND STAGE MODULE  
75mb 30kg/h 415kW

SUPPLIED BY  
CLESSE  
(UK) LIMITED



Overall size (mm): 500 W x 560 H x 275 D

Technical Information	
1st Stage Regulator	AP40 OPSO
2nd Stage Regulator	BP4203 OPSO 75
Capacity kg/h (kW)	30 (415)
1st Stage Inlet Pressure	2.5—16 bar
1st Stage Outlet Pressure	1 bar
2nd Stage Outlet Pressure ACTIVE / STANDBY	75 / 70 mbar
2nd Stage Lockup	Up to 98mbar
1st Stage OPSO Set Pressure	Standard setting 2.5 bar (2-4)
2nd Stage OPSO Set Pressure	130 mbar ACTIVE 140 mbar STANDBY
Limited Relief Valve (PRV)	110 mbar
Inlet connection	3/4" BSP 60° cone
Outlet connection	32mm
Operating temperature	-20°C to 50°C

This module is suitable for up to 24 properties.  
(Based on 24kW per property / 70% diversification factor)

*This module must be installed with the pre-conditioning regulator kit (UU1ST-PRECONKIT)*

#### **First Stage Regulator Setup**

First stage regulator has been set up to achieve best performance of the complete module. Pressure range is between 0.5 to 2.0 bar, and will be set at 1.0 bar, with an inlet pressure of 2.5 bar, to achieve the declared maximum capacity. OPSO setting will be standard 2.5 bar (2-4), with a test point to measure the down stream pressure setting. This should not require adjustment, unless there are exceptional installation conditions.

A dielectric joint is fitted as standard with a filter on the inlet. There are two inline valves that can be used to isolate the supply for easy maintenance of the first stage, or replacement, if needed.

**Only adjust these regulators if you've received training and have relevant knowledge of twins streams modules and their operation principles.**

#### **Second Stage Regulator Setup**

Second stage regulators used on this module are BP4203; both regulators have been configured as a traditional twin stream set up, with the right regulator being **Active** stream set to 75 mbar and left regulator being **Standby** stream set to 70 mbar. OPSO has been set lower on the Active stream to protect gas supply in case of any problems with active regulator. OPSO on Standby stream has been set higher to allow continuing gas supply to appliances.

Both regulators are equipped with a Limited Relief Valve, set to 110mbar. This feature should not be adjusted unless it is necessary. It has to be considered that Relief Valve needs to be set above the lock up pressure of the regulator and below the Over Pressure Shut Off (OPSO) device. In normal circumstances, PRV settings are adjusted automatically when the regulator working pressure is adjusted.

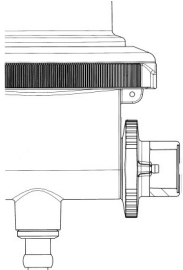
**Only adjust these regulators if you've received training and have relevant knowledge of twins streams modules and their operation principles.**

In case of failure, each stream (regulator) can be replaced individually, while second Stream (regulator) continues to supply gas.

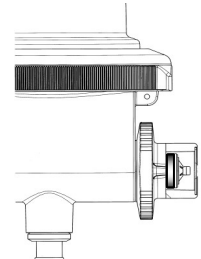
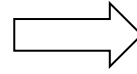
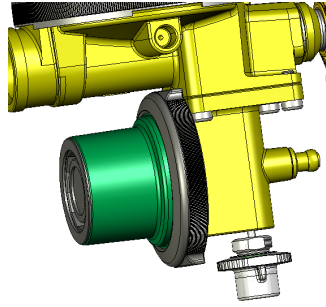
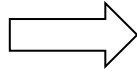
To replace one of the streams (regulators), please turn off the inlet and outlet isolating valves. The regulators can be obtained from Clesse UK. Please refer to the regulator instruction to correctly adjust the regulator settings.

If you need specific information, please refer directly to the regulator instruction or contact Clesse UK.

### Over Pressure Shut Off Valve Reset on a 2nd Stage Regulator



OPSO 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.
3. If the OPSO has tripped together with the UPSO, 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.

### Lifting eye stand installation:

1. Secure the vertical stand to the lifting eye using fittings provided.
2. Ensure the twin stream is firmly positioned on the stand. Secure to the twin stream base plate using 4 nuts and bolts provided in the kit.

**Please note this kit is must be purchased separately. Item code: UUTS30-STANDKIT (see page 117)**

