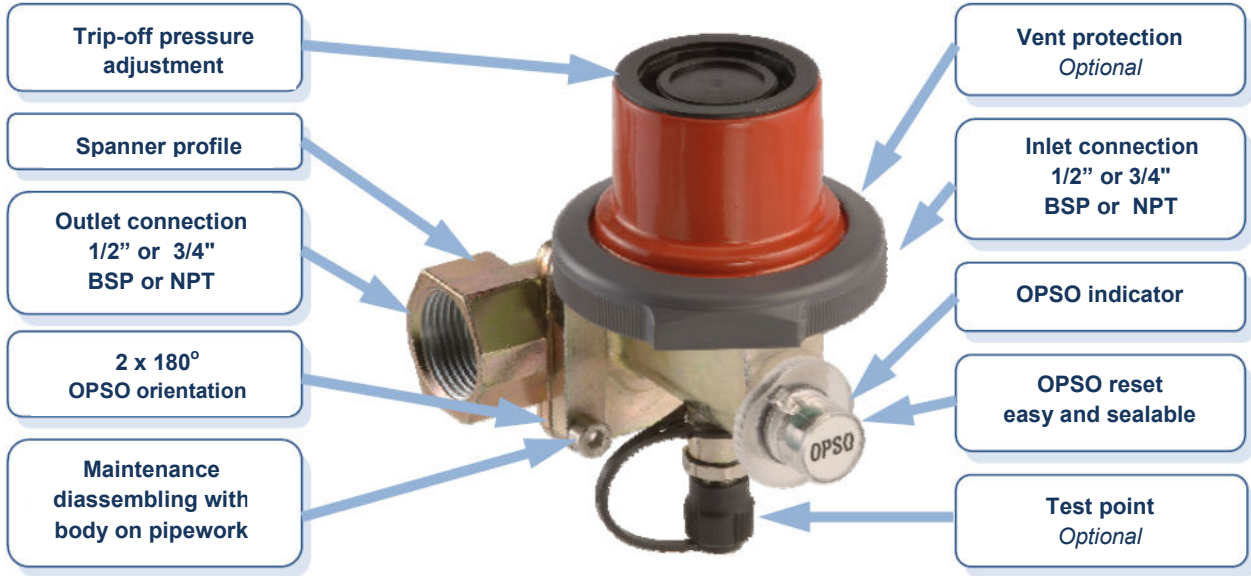


**High Pressure “ Over-Pressure Switch Off “ Safety Valve**



**APPLICATION**

The 492H, high pressure OPSO safety valve, is mainly used in gas pressure regulation installations. It can be used with LPG (butane, propane or their mixture), Natural gas, Manufactured gases (synthetic LPG-air mixture) or other non-aggressive gases (air, nitrogen, ...).

This “ Over Pressure Shut Off” valve stops the gas flow in event the regulated pressure is greater than a defined value. Such overpressures are mainly due to malfunctioning of the regulator (debris on the seat, ice blocking, ...) or re-liquefaction of LPG in the pipes.

492H valve can be fitted either upstream of the regulator (external sensing) or downstream (internal sensing). See installation piping schemes.

We propose this valve as a stand alone product or integral to a wide range of regulators.

**MATERIALS**

- Body and cover : zinc alloy (EN 1774)
- Diaphragm, pads, gaskets : NBR (EN 549)  
FPM (fluoropolymer) upon request
- Powder coat high resistance colour finish cover

**FEATURES**

- **Connections**
  - Inlet and outlet dimensions : 1/2" or 3/4"
  - Inlet and outlet threads : BSP (ISO-7) or NPT
  - High torque resistance : over the requirements of the standards
  - Easy to connect : spanner profile on the body
- **Geometry**
  - Inlet-outlet can rotate 180°.
- **Supply pressure**
  - External sensing models : up to 18 bar (250 psig)
  - Internal sensing models: up to 4 bar (58 psig)
  - Note** : withstands 18 bar overpressure when closed
- **Trip-off pressure**
  - From 0.5 bar (7 psig) to 4 bar (58 psig)
- **Capacity**
  - Up 100 kg/h LPG at 2 bar supply pressure
  - Up 50 kg/h LPG at 0,75 bar supply pressure
- **Indicator**
  - Visual indicator displays the open-close states.

## High Pressure “ Over-Pressure Switch Off “ Safety Valve

### Resetting

Easy resetting in 2 steps:

- rotation : for pressure balancing
- pull : for complete resetting

### Reset sealing

Sealing wire is provided.

### Vent protection

An efficient cover protects the vents (optional).

### Working temperature

From -20°C to 60°C (-4°F to 140°F)

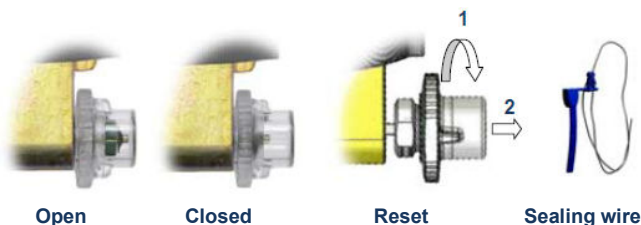
### Accessories

- Test point (“tyre” type)
- Trip-off pressure adjustment tool

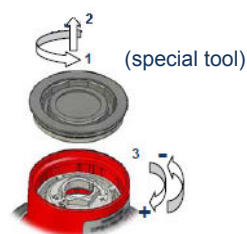
### CONFORMITY

EN 13785 LPG regulators and safety devices – Annex A2

### INDICATOR, RESET AND SEALING



### TRIP-OFF PRESSURE ADJUSTMENT

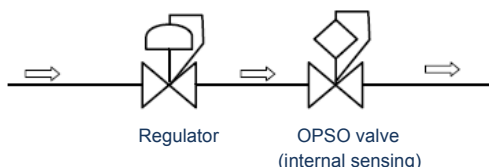


### TEST POINT (optional)

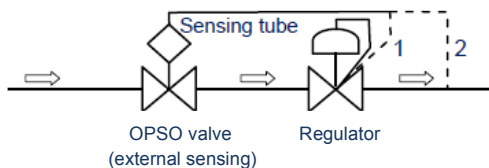


### INSTALLATION PIPING SCHEMES

OPSO fitted downstream of the regulator

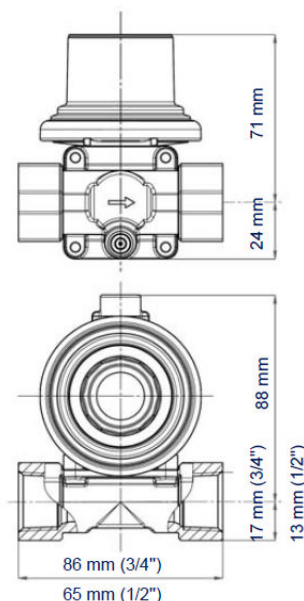


OPSO fitted upstream of the regulator



Sensing tube connection options:

- 1 - on regulator outlet pressure
- 2 - on downstream pipe



### 492H OPSO VALVE



Code	Inlet Connection	Outlet Connection	Trip-off Pressure	Test Point	Vent Protection	Sensing
NC-4393AA	Rc 1/2" (ISO7)	Rc 1/2" (ISO7)	2.5 (2 ÷ 4) bar 36 (29 ÷ 58) psig	Plug	Yes	Internal
NC-4393AB	Rc 3/4" (ISO7)	Rc 3/4" (ISO7)	2.5 (2 ÷ 4) bar 36 (29 ÷ 58) psig	Plug	Yes	Internal
NC-4393AC	1/2 NPT	1/2 NPT	2.5 (2 ÷ 4) bar 36 (29 ÷ 58) psig	Plug	Yes	Internal
NC-4393AD	3/4 NPT	3/4 NPT	2.5 (2 ÷ 4) bar 36 (29 ÷ 58) psig	Plug	Yes	Internal
NC-4393AE	3/4 NPT	3/4 NPT	2.5 (2 ÷ 4) bar 36 (29 ÷ 58) psig	Plug	Yes	External