



## CLESSE SECOND STAGE REGULATORS

Second stage regulators reduce intermediate pressure to a low pressure. The range of capacity consumption caters for domestic, commercial, agriculture and industrial applications.



BP 1803

### BP1803

Suitable for commercial kitchen installations. It can be installed onto the kitchen equipment.



BP 1813

### BP1813

This model has a pressure adjustment knob that can turn it into a first or second stage regulator. It is suitable for agricultural, poultry and commercial installations.



ZP10

### ZP 10

Suitable to be used as single or second stage regulator for agriculture like poultry heating.

Model	Capacity	Inlet Pressure	Outlet Pressure	Inlet Connection	Outlet Connection
BP 1803	5 kg/hr (240,000 btu/hr)	0.5 – 4 bar	37 mbar	¼" NPT	¼" NPT
BP 1813	4 kg/hr (190,000 btu/hr)	1 – 16 bar	5 - 200 mbar	¼" NPT	¾" NPT
ZP 10	2 kg/hr (94,000 btu/hr)	1 – 16 bar	50 - 190 mbar	Cylinder 20 mm	Nozzle 10 mm



BP 2205G

### BP2205G

This model is equipped with a "GIRO" which protects the vent holes from water and allows it to be installed in any position.

### BP2203 OPSO

Generally used in domestic or commercial LPG installation with second stage function. The Vent "GIRO" ring provides best protection against water penetration and drainage of humidity condensation.



BP 2203 OPSO

Model	Capacity	Inlet Pressure	Outlet Pressure	Inlet Connection	Outlet Connection
BP 2205G	10kg/hr (470,000 btu/hr)	0.5 - 4 bar	33 - 45 mbar	¼" NPT	½" NPT
BP 2203 OPSO	10.5kg/hr (500,000 btu/hr)	0.5 - 2 bar	29 mbar	½" NPT	½" NPT



BP 2303



BP 2303R



BP 2303 OPSO

**BP2303**

Mainly used for low to medium capacity LPG and natural gas installations. It is suitable for both commercial and small scale industrial settings.

**BP2303R**

Similar to BP2303 but has a pressure adjustment knob for a much higher adjustable outlet pressure.

**BP2303 OPSO**

The OPSO safety device is located upstream the regulator.

Model	Capacity	Inlet Pressure	Outlet Pressure	Inlet Connection	Outlet Connection
BP 2303	30 kg/hr (1,400,000 btu/hr)	0.5 - 4 bar	27 - 36 mbar	½" NPT	¾" NPT
BP 2303R	30 kg/hr (1,400,000 btu/hr)	0.5 - 4 bar	20 - 300 mbar	½" NPT	¾" NPT
BP 2303 OPSO	30 kg/hr (1,400,000 btu/hr)	0.5 - 4 bar	27 - 36 mbar	½" NPT	¾" NPT



BP 2403



BP 2403R



BP 2403 OPSO

**BP2403**

Mainly used for medium to high capacity LPG and natural gas installations. It is suitable for both commercial and industrial settings.

**BP2403R**

Similar to BP2403 but adjustable knob to adjust pressure.

**BP2403 OPSO**

High capacity flow rates at both low and high inlet pressure ranges with rotatable vent.

Model	Capacity	Inlet Pressure	Outlet Pressure	Inlet Connection	Outlet Connection
BP 2403	50 kg/hr (2,400,000 btu/hr)	0.5 - 2 bar	24 - 41 mbar	¾" NPT	1" NPT
BP 2403R	50 kg/hr (2,400,000 btu/hr)	0.5 - 2 bar	20 - 300 mbar	¾" NPT	1" NPT
BP 2403 OPSO	50 kg/hr (2,400,000 btu/hr)	0.5 - 2 bar	24 - 41 mbar	¾"	1"





BP 24F



BP 24S OPSO



BP 24FR

**BP24F**

Designed for industrial applications that require precise and stable gas pressure for wide range of applications.

**BP24FR**

Variable pressure model of BP24F that can be adjusted for more precise pressure adjustment.

**BP24S OPSO**

BP 24S OPSO designed to facilitate installation and maintenance in confined spaces. The OPSO system protect downstream installation from overpressure or lack of pressure.

Model	Capacity	Inlet Pressure	Outlet Pressure	Inlet Connection	Outlet Connection
BP 24F	70 kg/hr (3,300,000 btu/hr)	0.5 - 2 bar	25 - 43 mbar	1" NPT	1 1/4" NPT
BP 24FR	70 kg/hr (3,300,000 btu/hr)	0.5 - 5 bar	20 - 300 mbar	1" NPT	1 1/4" NPT
BP 24S OPSO	60 kg/hr (2,800,000 btu/hr)	0.5 - 2 bar	25 - 43 mbar	1"	1"