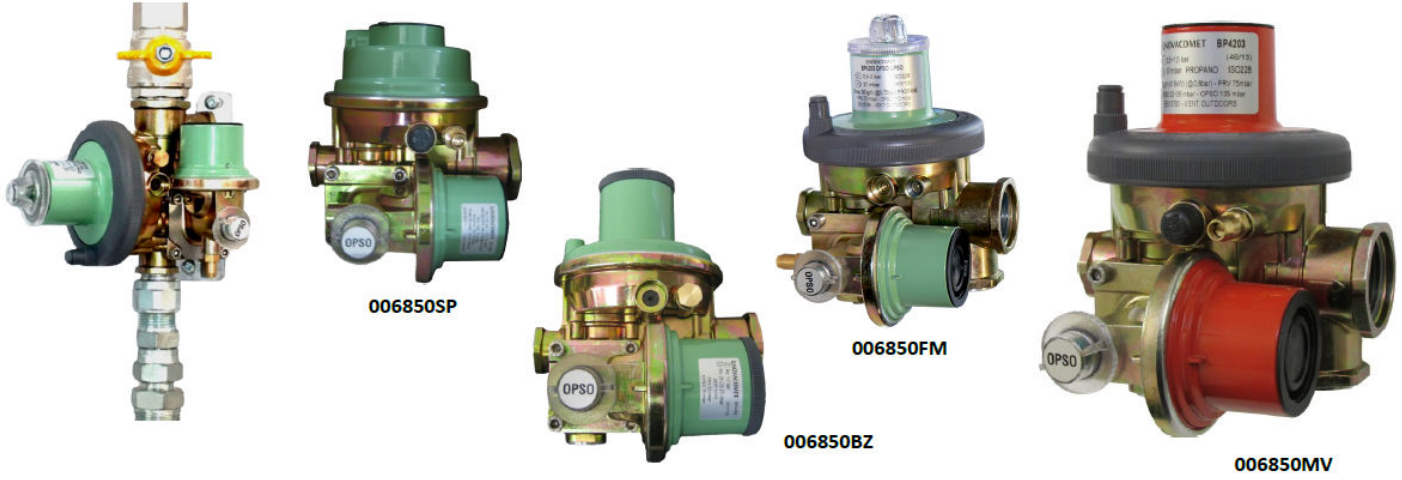


BP4203

DOUBLE STAGE LOW – MEDIUM PRESSURE REGULATORS



APPLICATIONS

These double stage regulators are ideal in both Natural gas and LPG domestic and commercial installations.

Designed to reduce a wide range of network distribution pressures to the final appliance requirements. Perfect in combination with meter box installation or in direct pipeline assembly.

Customisable design to meet local standards, gas type and resistance to environments. Maximum declared capacities:

- 25 Nm³/h of Natural Gas up to AC5 according to EN 88-2
- 30 kg/h of LPG according to EN16129

They can also be used in SNG, air, nitrogen and other non aggressive gases installations.

FEATURES

Excellent pressure control

Thanks to the integral double stage construction and exclusive dynamic compensation design in first level of pressure regulation, the final stage pressure does not suffer from inlet pressure variations.

Heavy duty and robust construction

Oversized strong connections, excellent weather protection and durable surface treatments, ensure reliable operation in the most aggressive operating conditions.

Safeties (OPSO/UPSO/PRV)

- Over Pressure Shut Off (OPSO) is equipped with a highly visible green indicator, clearly identifiable activation directing the operator to quickly diagnose system failure and then to easily reset (re-sealable reset cap)
- Under pressure Shut Off (UPSO) / Excess flow valve. With Push button or pull rod operation that has a visible indicator design for easy identification and diagnosis.
- Pressure Relief Valve system with ultra low limited escape rate and independent of OPSO operation conforming to EN16129.

Optional cover configuration

Three different cover versions ensure the right option suits the customer installation:

- STD version with G1/8 vent connection for piping away breather vent
- MB version ideal for meter box installation
- GIRO version to easily facilitate orientation of the vent in any direction

Note – Both STD and MB versions are connectable to a pipe in case of relief valve discharging in an unventilated area. Giro vent can be mounted in any orientation or position, and suitable for outdoor wall or tank mounting.

Complete flexibility of installation

Double inlet and outlet construction, use of removal cap, the installer can adapt to different configurations: "In line", "Angular", "U version".

Accessories

Depending on models or upon requests:

- pressure test points for both inlet and outlet pressures
- covers cap with sealing facility to prevent improper settings manipulation
- complete set of connections including of loose units

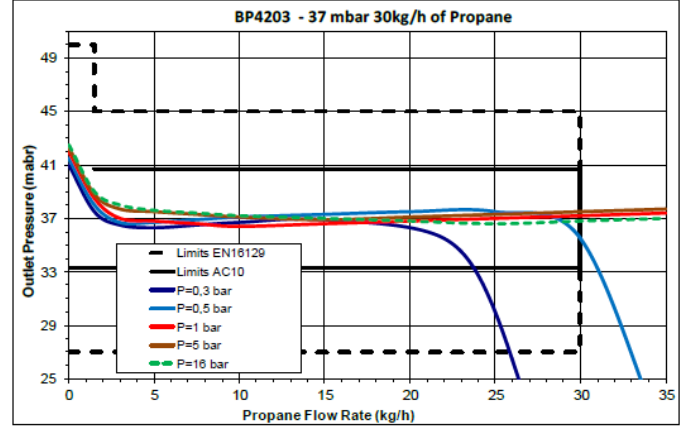
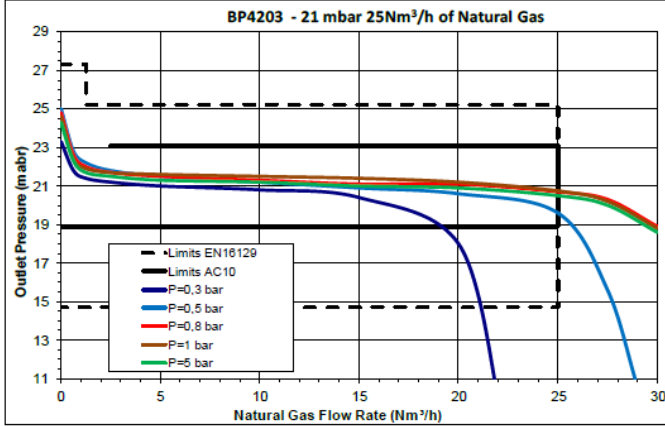
CONSTRUCTION

- Body and cover : die cast zinc alloy
- Main diaphragm : NBR (reinforced upon request)
- 1st stage and OPSO diaphragm NBR-R (reinforced)
- Valve pads : NBR
- Complies with the Pressure Equipment European Directive (97/23/EC) and EN16123 (LPG models)

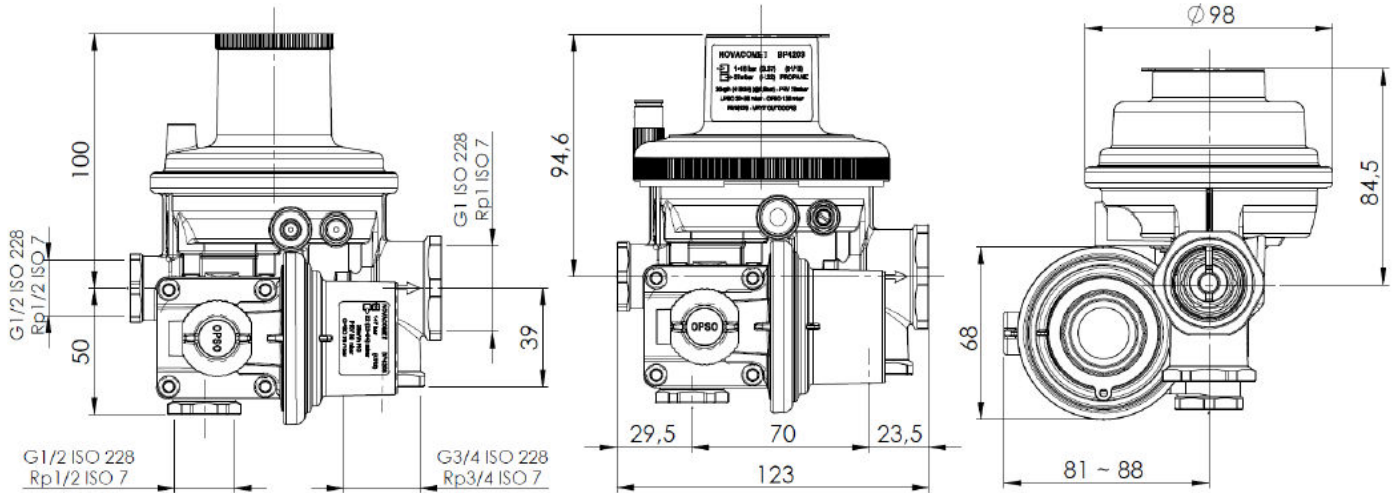
BP4203

DOUBLE STAGE LOW – MEDIUM PRESSURE REGULATORS

TYPICAL PERFORMANCES



OVERALL DIMENSIONS



Code	Inlet pressure	Outlet pressure	Diameter	Flow rate		OPSO	UPSO	RV	Lay out	Vent Position
	bar	m bar		LPG	N.gas	m bar	m bar	m bar		
BP4203										
NC-6850AA	1÷5 bar	21	1/2" x 1"	-	25 m³/h	70	-	45	In line	G1/8-tube Ø6
NC-6850AB	1÷5 bar	21	1/2" x 1"	-	25 m³/h	70	12	45	In line	G1/8-tube Ø6
NC-6850AC	1÷5 bar	55	1/2" x 1"	-	25 m³/h	125	-	80	In line	G1/8-tube Ø6
NC-6850AD	1÷5 bar	100	1/2" x 1"	-	25 m³/h	250	-	200	In line	G1/8-tube Ø6
NC-6850AE	1÷5 bar	150	1/2" x 1"	-	25 m³/h	300	-	250	In line	G1/8-tube Ø6
NC-6850BZ	1÷7 bar	22 (20÷24)	1/2" x 1"	-	25 m³/h	75	-	50	In line	G1/8-tube Ø6
NC-6850CZ	1÷7 bar	22 (20÷24)	1/2" x 1"	-	25 m³/h	75	14	50	In line	G1/8-tube Ø6
NC-6850KA	0,5÷5 bar	21	1/2" x 3/4"	-	25 m³/h	50	-	35	Angle	G1/8-tube Ø6
NC-6850MA	1÷16 bar	37	1/2" x 1"	30 kg/h	-	135	34	75	In line	GIRO
NC-6850MV	0,5÷1,5 bar	37	1/2" x 1"	30 kg/h	-	135	34	75	In line	GIRO
NC-6850SA	1÷5 bar	55	3/4"x1 1/4"	-	25 m³/h	125	-	80	Angle	G1/8-tube Ø6
NC-6850SB	1÷5 bar	100	3/4"x1 1/4"	-	25 m³/h	250	-	200	Angle	G1/8-tube Ø6
NC-6850SC	1÷5 bar	150	3/4"x1 1/4"	-	25 m³/h	300	-	250	Angle	G1/8-tube Ø6
NC-6850SD	1÷5 bar	300	3/4"x1 1/4"	-	25 m³/h	500	-	420	Angle	G1/8-tube Ø6
NC-6850SP	1÷5 bar	21	3/4"x1 1/4"	-	25 m³/h	70	12	45	Angle	G1/8-tube Ø6
NC-6850TA	0,5÷5 bar	21	1/2" x 3/4"	-	25 m³/h	50	-	35	Angle	G1/8-tube Ø6