

# Second Stage Regulators OPSO / UPSO - Up to 30kg/h

## BP2303 – BP 2303 UPSO – BP2303R – BP2303 OPSO



BP2303  
001051AB



BP2303R  
001070AD



BP2303 OPSO  
006830BA

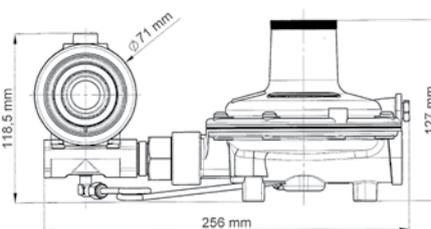


### Application

- These products are mainly used in medium power LPG installations (domestic, commercial or industrial) as final stage or intermediate stage, regulators.
- They can also be used with Natural Gas, SNG, air, nitrogen and other non-aggressive gases.
- Maximum capacity: 30kg/h (414kW)
- BP2303R models are commonly used in industrial applications which require a fine pressure adjustment.

### Features

- Accurate pressure control
- The vent can be connected to a pipe.
- OPSO with visual indicator and test point (optional). Easily resettable. Possible sealing means.
- Certain models are equipped with UPSO safety device.
- Certain BP2303R models are equipped with a double spring which ensures a stable minimum regulated pressure in all conditions.
- Low capacity pressure relief valve on certain models
- Certain models are available with extra low pressure adjustment for thermal control (heating and poultry applications).



BP2303 OPSO-006830BA

### Construction

- Body and cover: die cast aluminium alloy
- Diaphragm: NBR-R
- Valve pad: NBR or FPM

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	Inlet pressure (Pu) bar	Outlet pressure (Pd) mbar	Flow rate (LPG)		PRV mbar	OPSO mbar	Vent Type - Position	USPO mbar	Pad material	Diaphragm material
							kg/h	kW						
<b>BP2303</b>														
001050AA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	30 (27-36)	30	414	75 (60-90)	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001050BA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-7,5	30 (25-45)	20	276	75 (60-90)	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001051AA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	37 (33-45)	30	414	75 (60-90)	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001051AB	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	37 (33-45)	30	414	75 (60-90)	-	G1/4-tube Ø8-4h	-	NBR	NBR-R
001052AB	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	50 (45-60)	30	414	100	-	G1/4-tube Ø8-4h	-	NBR	NBR-R
001053AA	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,5-4	30 (27-36)	30	414	75 (60-90)	-	G1/4-tube Ø8-0h	-	FPM	NBR-R
001053AB	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	1,4-4	500 (350-500)	30	414	750	-	G1/4-tube Ø8-0h	-	FPM	NBR-R
<b>BP2303 UPSO</b>														
001060AA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	30 (27-36)	25	345	75 (60-90)	-	G1/4-tube Ø8-0h	20	NBR	NBR-R
001060AB	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,5-4	30 (27-36)	25	345	75 (60-90)	-	G1/4-tube Ø8-0h	20	NBR	NBR-R
001060BA	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	60-90	37	8	110	75 (60-90)	-	G1/4-tube Ø8-6h	29	NBR	NBR-R
<b>BP2303R</b>														
001070AA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	10-200	30	414	LRV (+60)	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001070AB	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	20-300	30	414	LRV (+60)	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001070AC	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-4	20-300	30	414	-	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001070AD*	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,7-3	(=0) 10-200**	6,5-30	90-414	-	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001070AE*	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,8-3	(=0) 10-300**	6,5-30	90-414	-	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001070AF*	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,8-3	(=0) 10-300**	6,5-30	90-414	-	-	G1/4-tube Ø8-0h	-	FPM	NBR-R
001070BA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	1,2-7,5	20-200	20	276	LRV (+60)	-	G1/4-tube Ø8-0h	-	NBR	NBR-R
001071AA	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,8-4	20-300	30	414	LRV (+60)	-	G1/4-tube Ø8-0h	-	FPM	NBR-R
<b>BP2303 OPSO</b>														
006830AD	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,7-3	500	25	345	750	1300	G1/4-tube Ø8-0h	-	NBR	NBR-R
006830BA	F3D	FEM-Rc1/2	F3E	FEM-Rc3/4	0,5-4	29 (27-36)	30	414	75	135	G1/4-tube Ø8-0h	-	NBR	NBR-R
006830BB	F3D	FEM-Rc1/2	F3E	FEM-Rc3/4	1-4	37 (33-45)	30	414	75	135	G1/4-tube Ø8-0h	-	NBR	NBR-R
006835BA	F3D	FEM-Rc1/2	F3E	FEM-Rc3/4	0,5-4	29 (27-36)	25	345	75	135	G1/4-tube Ø8-0h	16	NBR	NBR-R
006835BB	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,5-4	29 (27-36)	25	345	75	135	G1/4-tube Ø8-0h	16	NBR	NBR-R
006836BA	F2D	FEM-Rp1/2	F3E	FEM-Rc3/4	0,5-7,5	29 (27-36)	18	248	75	135	G1/4-tube Ø8-0h	16	NBR	NBR-R
006836RB	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	0,6-2	37	30	414	75	100	G1/4-tube Ø8-6h	29	NBR	NBR-R
006837AA	F5D	FEM-1/2NPT	F5E	FEM-3/4NPT	0,8-2	350	50	690	-	500	G1/4-tube Ø8-6h	270	NBR	NBR-R

\* special design with extra low pressure for thermal control

\*\* (=0) outlet pressure may be adjusted at a value very close to zero, but always greater than zero allowing a small pilot flow