



CLESSE
NOVACOMET

INTERNATIONAL PRODUCT
CATALOGUE
2023-2024





APS2000
002513BA



APS2000
002540AA



LPS2000
002505AA



Application

- These fixed, adjustable or variable regulators are ideal in tough conditions such as directly supplying crop dryers and large industrial heavy duty burners, in industrial, agriculture, commercial and networked supply LPG installation.
- Now fitted with compensation and safety devices the regulator and PRS Module are most suited to application in LPG domestic networks and local distribution first stage pressure reduction.
- They can also be used in Natural Gas, air, nitrogen, biomethane, SNG and other non-aggressive gases installations.
- Maximum declared capacities:
 - LPG 250kg/h (3450kW) following US rules*,
 - LPG 150kg/h (2070kW) following EU rules*,
 - Natural Gas 120 (n)m³/h.

Features

- Excellent pressure control**
Thanks to an exclusive dynamic compensation design, the regulated pressure does not suffer from changes to inlet pressure variations. In many instances, periodical or seasonal pressure adjustments are not required.
- Heavy duty and robust construction**
Oversized strong connections, excellent weather protection, durable surface treatments ensure reliable operation in the most aggressive operating conditions.
- Connectable vent**
The vent design allows to drain condensate humidity. For underground or enclosed installations, the vent can also be connected to a pipe (G1/4" thread).
- Extended range of pressure adjustment**
Outlet pressure range is normally 0,2 to 3bar (3 to 45PSI). Regulated pressure can be fixed, internally adjustable or externally variable by a T-bar.
- Adapted connections**
Female: 1" BSP-ISO7 or 1" NPT or rotating flanges DB25

Pressure limiter

The **LPS2000** models are specially designed to be installed downstream a first stage regulator in order to limit the regulated pressure, in case of failure of the first stage, to 1,2 times the nominal set pressure.

Integral filter (option)

Stainless steel integral filter (200 µm mesh) may be mounted upon request or delivered as maintenance kit (004455AA).

Accessories

Gauges or pressure test points for both inlet and outlet ports, are fitted depending on models or upon request.

Construction

- Comply with the European Pressure Equipment Directive 2014/68/UE
- Comply with European Standard EN16129
- Body and cover: die cast aluminium alloy
- Cover/body screws: stainless steel
- Diaphragm: NBR-R according to EN549 (FPM upon request)
- Valve pad: NBR according to EN549 (FPM upon request)
- Brass fittings according to EN12164

Code	Inlet code	Inlet connection	Outlet code	Outlet connection	Inlet pressure (Pu)		Outlet pressure (Pd)		Flow rate (LPG)			Flow rate (NG)		Manometer on inlet	Manometer on outlet
					bar		bar	type	kg/h	kW	Rule*	(n)m3/h	kW		
APS2000															
002560BK	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	1,25 - 16		0,75	Fix	100	1380	EU	80	890	MANO-DRY G1/4	MANO-DRY G1/4
002510AB	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	2,5 - 16		1,5 (0,5-2)	Adjustable	150	2070	EU	120	1340	PLUG G1/4	MANO-DRY G1/4
002514AA	B6F	FLG-PN40-DN25	B6F	FLG-PN40-DN25	2,5 - 16		0,75 (0,5-2)		250	3450	US-20	-	-	PLUG G1/4	PLUG G1/4
002561AC	F5F	FEM-1NPT	F5F	FEM-1NPT	max 17,2		5 psi = 0,35 bar (0,27-0,4)								
002560BE	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	2,5 - 16		0,5-2	Variable	150	2070	EU	120	1340	PLUG G1/4	MANO-DRY G1/4
002560BF	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4										PLUG G1/4	PLUG G1/4
002560BG	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4										MANO-DRY G1/4	MANO-DRY G1/4
002560BH	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4										MANO-OIL G1/4	MANO-OIL G1/4
002540AC	F3F	FEM-Rc1	F3F	FEM-Rc1										MANO-OIL G1/4	MANO-OIL G1/4
002560CA	F1F	FEM-G1	F1F	FEM-G1										MANO-OIL G1/4	MANO-OIL G1/4
002510AA	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	3,5 - 16		1-3							PLUG G1/4	MANO-DRY G1/4
002530AA	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4					MANO-DRY G1/4	MANO-DRY G1/4					
002540AA	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4					MANO-OIL G1/4	MANO-OIL G1/4					
002560BB	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4					PLUG G1/4	PLUG G1/4					
002540AB	F3F	FEM-Rc1	F3F	FEM-Rc1					MANO-OIL G1/4	MANO-OIL G1/4					
002560BJ	F3F	FEM-Rc1	F3F	FEM-Rc1					PLUG G1/4	PLUG G1/4					
002513BA	F5E	FEM-3/4NPT	F5E	FEM-3/4NPT	max 17,2				250	3450	US-30	-	-	PLUG G1/4	PLUG G1/4
002513BB	F5F	FEM-1NPT	F5F	FEM-1NPT	max 17,2			-				-	PLUG G1/4	PLUG G1/4	
002560BA	F5E	FEM-3/4NPT	F5E	FEM-3/4NPT	max 17,2		0,2-2	-				-	PLUG G1/4	PLUG G1/4	
002561AB	F5F	FEM-1NPT	F5F	FEM-1NPT	max 17,2		0,2-2	-				-	PLUG G1/4	PLUG G1/4	
LPS2000															
002505AA	F3E	FEM-Rc3/4	F3E	FEM-Rc3/4	2-16		1,8	Fix	150	2070	EU	-	-	PLUG G1/4	PLUG G1/4

* - US-Rule: The outlet pressure is set at 20 or 30 psig, with 100 psig inlet pressure and 500 kBTU/hr flow rate. The capacity is measured for an outlet pressure 20% less than the set pressure and with the inlet pressure 20 psig higher than set outlet pressure. - EU-Rule: Maximum flow rate for which the outlet pressure remains within -30% (+30% for lock-up) and +20% of the set pressure, for whatever inlet pressure in the declared range.



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