

PRESSURE REGULATOR

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DOME PRESSURE REGULATOR
Powerful and service reduced Dome Pressure Regulator applicable for mounting in pipe-works.

Benefits

- applicable for almost all technical gases
- inlet pressures up to max. 200 bar
- regulating from 100 mbar up to 60 bar
- process reliability by high pressure stability in case of withdrawal fluctuations
- high flow rate
- compact design, small mounting dimensions
- integrated pilot pressure and manometer connections
- remote control by extern pilot pressure regulator or proportional valve
- several gas supply can be central regulated to the same working pressure

Options

- mounted pilot pressure regulator
- inlet- and outlet pressure manometer
- inlet- und outlet connections (soldering-, welding- or clamp fittings)
- adapter for pilot- and impulse pipe (only 737LE ND)
- complete mounted with functional- and leak test

see data sheet DR 2B



Operation / Usage

Dome pressure regulator are particularly suitable for mounting in supply pipe-works for burner- and mixing systems.

Independent of withdrawal fluctuations the stability working pressure guarantees a constant gas concentration and quality of the down stream processes.

Additionally the use in case of high flow rates at low pressure drops is recommended.

Function

The dome pressure regulator is used in combination with pilot pressure regulator (or proportional valve) for adjusting the required working pressure (outlet pressure).

It's possible to use the regulated gas (own medium) or foreign gas as supply of pilot pressure regulator.

Maintenance

Annual testing of body leak tightness is recommended

Approvals

Company certified according to ISO 9001:2000 and ISO 14001

Other models, options and accessories available on request.

Please identify the individual gases at the time of enquiring!



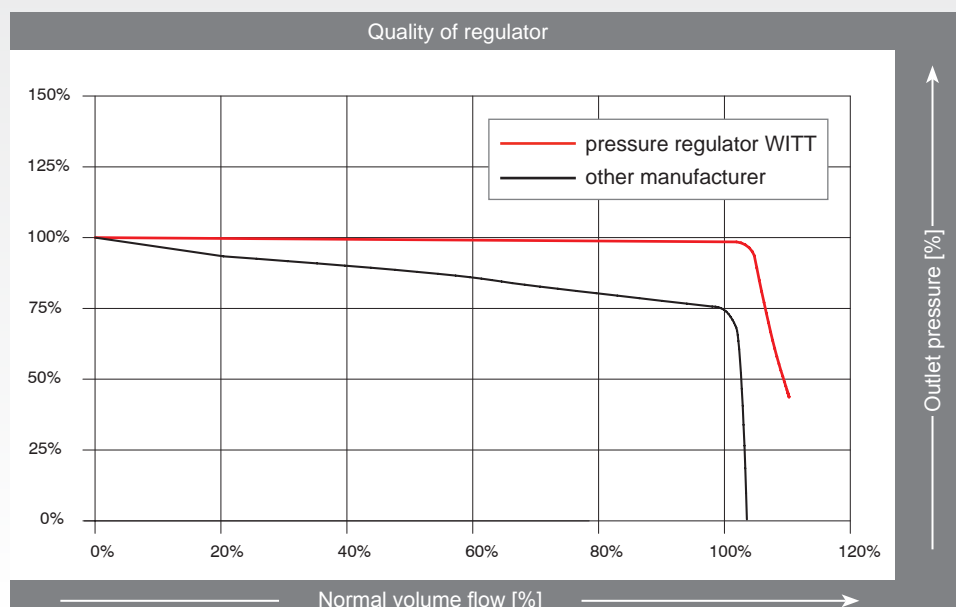
Product Information

C01/10 subject to change

DOME PRESSURE REGULATOR

	Model					
	NEW 757LE	NEW 747LE	737LE HD	737LE	772LE	737LE ND
Gases	Ar, N ₂ , H ₂ , O ₂ , He, CO ₂	Ar, N ₂ , H ₂ , O ₂ , He, CO ₂	Ar, N ₂ , H ₂ , O ₂ , He, CO ₂	Ar, N ₂ , H ₂ , O ₂ , He, CO ₂	Ar, N ₂ , H ₂ , O ₂ , He, CO ₂	Ar, N ₂ , H ₂ , O ₂ , He, CO ₂ , C ₃ H ₈ , CH ₄
Burn out test for oxygen	–	–	BAM	BAM	–	WITT
max. inlet pressure	40 bar	40 bar	200 bar	60 bar	60 bar	5 bar 10 bar
max. pilot pressure	30 bar	30 bar	50 bar	10 bar	10 bar	2 bar 2 bar
max. outlet pressure	2 - 30 bar	2 - 30 bar	2 - 45 bar	2 - 9 bar	2 - 9 bar	0,1 - 2 bar 0,2 - 2 bar
Kv-Value	11	3,6	1,65	2,4	0,7	3,6
Inlet	G 2 F	G 1 F	G 3/4 F	G 3/4 F	G 3/8 F	G 3/4 F
Filter 100µ	–	–	X	X	X	–
Outlet	G 2 F	G 1 F	G 3/4 F	G 3/4 F	G 3/8 F	G 3/4 F
Pilot pressure	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F
Manometer	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F
Housing	Brass	Brass	Brass	Brass	Brass	Aluminium
Cartridge	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Membrane	Elastomer	Elastomer	Elastomer	Elastomer	Elastomer	Elastomer
Weight approx.	14 kg	10 kg	10 kg	8 kg	5 kg	2 kg
Dimensions [mm]	Ø 158	Ø 158	Ø 158	Ø 158	Ø 158	Ø 135
BxH	158x142	131x110	174x107	149x96	120x72	106x106
h	47	30	27,5	27,5	21	45
Order-No.	278.060	278.059	278.055	278.051	278.052	278.049

Technical Data



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