

**PRESSURE REGULATOR**

www.wittgas.com

**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 45 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- and 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 and ISO 14001

**Other models, options and accessories available on request.**

**Please identify the individual gases at the time of enquiring!**



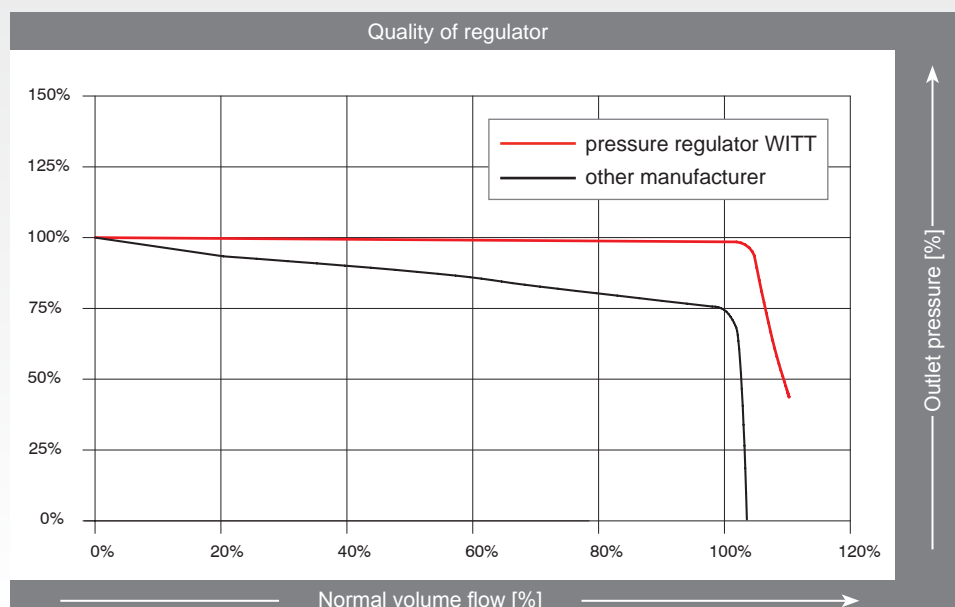
Product Information

F01/E1 subject to change

**DOME PRESSURE REGULATOR**

	Model					
	<b>NEW</b> 757LE	<b>NEW</b> 747LE	737LE HD	737LE	772LE	737LE ND
<b>Gases</b>	Ar, N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , He, CO <sub>2</sub>	Ar, N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , He, CO <sub>2</sub>	Ar, N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , He, CO <sub>2</sub>	Ar, N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , He, CO <sub>2</sub>	Ar, N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , He, CO <sub>2</sub>	Ar, N <sub>2</sub> , H <sub>2</sub> , O <sub>2</sub> , He, CO <sub>2</sub> , C <sub>3</sub> H <sub>8</sub> , CH <sub>4</sub>
<b>Burn out test for oxygen</b>	-	-	X	X	-	WITT
<b>max. inlet pressure</b>	CO <sub>2</sub> 25 bar O <sub>2</sub> 30 bar others 40 bar	CO <sub>2</sub> 25 bar O <sub>2</sub> 30 bar others 40 bar	CO <sub>2</sub> 60 bar others 200 bar	CO <sub>2</sub> 25 bar others 60 bar	CO <sub>2</sub> 25 bar O <sub>2</sub> 30 bar others 60 bar	5 bar   10 bar
<b>max. pilot pressure</b>	30 bar	30 bar	50 bar	10 bar	10 bar	2 bar   2 bar
<b>max. outlet pressure</b>	2 - 30 bar	2 - 30 bar	2 - 45 bar	2 - 9 bar	2 - 9 bar	0,1 - 2 bar   0,2 - 2 bar
<b>Kv-Value</b>	11	3,6	1,65	2,4	0,7	3,6
<b>Inlet</b>	G 2 F	G 1 F	G 3/4 F	G 3/4 F	G 3/8 F	G 3/4 F
<b>Filter 100µ</b>	-	-	X	X	X	-
<b>Outlet</b>	G 2 F	G 1 F	G 3/4 F	G 3/4 F	G 3/8 F	G 3/4 F
<b>Pilot pressure</b>	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F
<b>Manometer</b>	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F	G 1/8 F
<b>Housing</b>	Brass	Brass	Brass	Brass	Brass	Aluminium
<b>Cartridge</b>	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
<b>Membrane</b>	Elastomer	Elastomer	Elastomer	Elastomer	Elastomer	Elastomer
<b>Weight approx.</b>	14 kg	10 kg	10 kg	8 kg	5 kg	2 kg
<b>Dimensions [mm]</b>						
<b>BxH</b>	Ø 158 158x142	Ø 158 131x110	Ø 158 174x107	Ø 158 149x96	Ø 158 120x72	Ø 135 106x106
<b>h</b>	47	30	27,5	27,5	21	45
<b>Order-No.</b>	278.060	278.059	278.055	278.051	278.052	278.049

Technical Data



F01/E1 subject to change