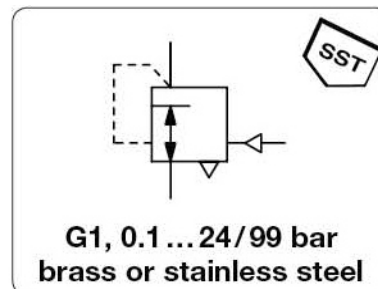


# RLM - RLE - Régulateur à dôme, haute pression, pour air comprimé, gaz et liquides, laiton ou inox, compatible CO2, argon, hélium, oxygène, propane, oxyde nitrique

<b>Description</b>	The pilot pressure regulator / booster regulates the outlet pressure through a signal pressure at ratio of 1:1. Functioning as a pressure regulator the pilot pressure may either be internally inducted from the inlet pressure or externally. The dome chamber is closed by a needle valve. Functioning as a volume booster the dome is controlled by a proportional pressure regulator or a pilot pressure regulator.	
<b>Media</b>	compressed air, non-corrosive gases or liquids	
<b>Supply pressure</b>	max. 25 bar for RL-0.J1,	max. 100 bar for RL-0.J2, max. 40 bar for oxygen, max. 1.5 bar for acetylene
<b>Pilot pressure</b>	max. 24 bar for RL-0.J1, max. 99 bar for RL-0.J2, pilot port G1/4	
<b>Accuracy</b>	at supply pressure variation of 10 bar: 0.1 bar pressure deviation at temperature variation of 3 °C / K: 1% pressure deviation at internal pilot pressure	
<b>Air consumption</b>	without constant bleed	
<b>Gauge port</b>	not available	
<b>Temperature range</b>	-20 °C to 100 °C / -4 °F to 212 °F for FKM, -40 °C to 130 °C / -40 °F to 266 °F for EPDM	
<b>Material</b>	Body: brass or stainless steel 1.4571 Inner valve: brass or stainless steel 1.4571	Elastomer: FKM, optionally EPDM



Dimensions			K <sub>v</sub> -value	Flow rate	Connection thread	Supply pressure max. bar*2	Pressure range bar	Order number
A	B	C						

Brass pressure regulator			supply pressure max. 25/ 100 bar, non-relieving, without constant bleed, transmission ratio 1:1, FKM					RLM	
127	170	54	2.9	340	5600	G1	25	0.1 ... 24	RLM-08J1
				2500	60000	G1	100	0.5 ... 99	RLM-08J2

SST pressure regulator			supply pressure max. 25/ 100 bar, non-relieving, without constant bleed, transmission ratio 1:1, FKM					RLE	
127	170	54	2.9	340	5600	G1	25	0.1 ... 24	RLE-08J1
				2500	60000	G1	100	0.5 ... 99	RLE-08J2



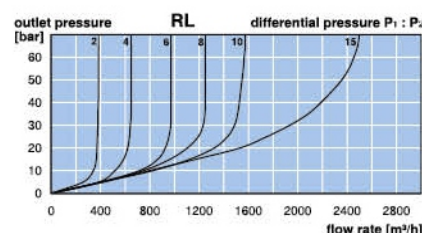
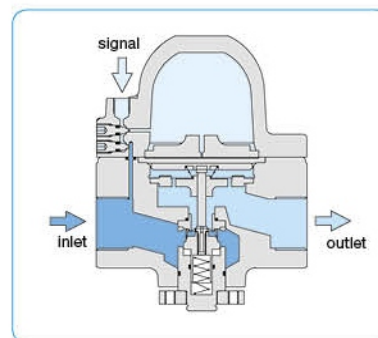
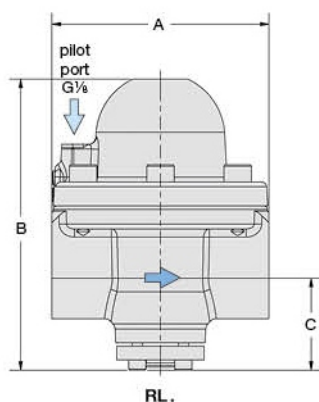
RLM, made of brass



RLE, made of stainless steel

## Special options, add the appropriate letter

EPDM elastomer		RL . -0 . J . E
carbon dioxide	CO <sub>2</sub>	RL . -0 . J . 03
argon	Ar	RL . -0 . J . 05
nitrogen	N <sub>2</sub>	RL . -0 . J . 07
helium	He	RL . -0 . J . 09
hydrogen	H <sub>2</sub>	RL . -0 . J . 11
oxygen	O <sub>2</sub>	RL . -0 . J . 15
propane	C <sub>3</sub> H <sub>8</sub>	RL . -0 . J . 16
nitrous oxide	N <sub>2</sub> O	RL . -0 . J . 17



\*1 RL-J1: at 25 bar supply pressure and 5 bar outlet pressure  
RL-J2: at 85 bar supply pressure and 70 bar outlet pressure

\*2 supply pressure max. 40 bar for oxygen  
supply pressure max. 1.5 bar for acetylene