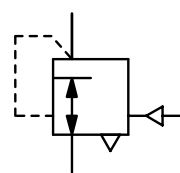


Description	The pilot pressure regulator / booster regulates the outlet pressure through a signal pressure at ratio of 1:1. Functioning as a pressure regulator the pilot pressure may either be internally inducted from the inlet pressure or externally. The dome chamber is closed by a needle valve. Functioning as a volume booster the dome is controlled by a proportional pressure regulator or a pilot pressure regulator.				
Media	compressed air, non-corrosive gases or liquids				
Supply pressure	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	
Pilot pressure	max. 24 bar for RL-0.J1,	max. 99 bar for RL-0.J2,	pilot port G¼		
Accuracy	at supply pressure variation of 10 bar: at temperature variation of 3 °C / K:		0.1 bar pressure deviation 1% pressure deviation at internal pilot pressure		
Air consumption	without constant bleed		Relieving function non-relieving		
Gauge port	not available		Mounting position any, dome preferably mounted up		
Temperature range	-20 °C to 100 °C / -4 °F to 212 °F for FKM,		-40 °C to 130 °C / -40 °F to 266 °F for EPDM		
Material	Body: brass or stainless steel 1.4571 Inner valve: brass or stainless steel 1.4571		Elastomer: FKM, optionally EPDM		



SST

**G1, 0.1 ... 24/99 bar
brass or stainless steel**

Dimensions			K _v -value	Flow rate	Connection thread	Supply pressure	Pressure range	Order number
A	B	C	(m³/h)	m³/h*1	l/min*1	G	max. bar*2	bar
mm	mm	mm						

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

Special options, add the appropriate letter

EPDM elastomer

carbon dioxide	CO ₂
argon	Ar
nitrogen	N ₂
helium	He
hydrogen	H ₂
oxygen	O ₂
propane	C ₃ H ₈
nitrous oxide	N ₂ O

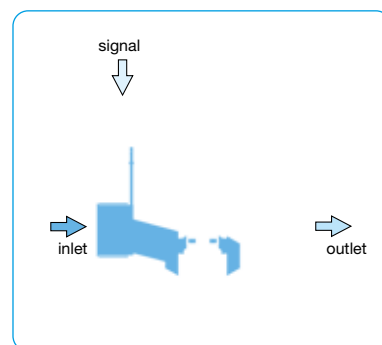
RL . -0 . J . E
RL . -0 . J . 03
RL . -0 . J . 05
RL . -0 . J . 07
RL . -0 . J . 09
RL . -0 . J . 11
RL . -0 . J . 15
RL . -0 . J . 16
RL . -0 . J . 17



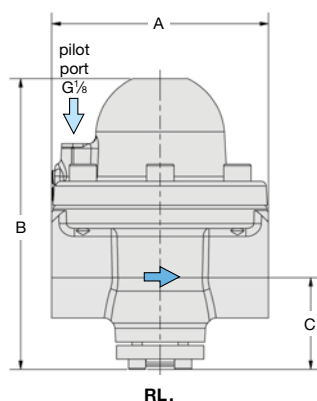
RLM, made of brass



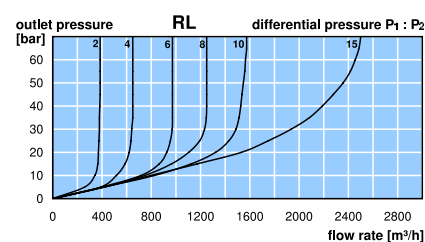
RLE, made of stainless steel



cross section



RL.



*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

* Product group

