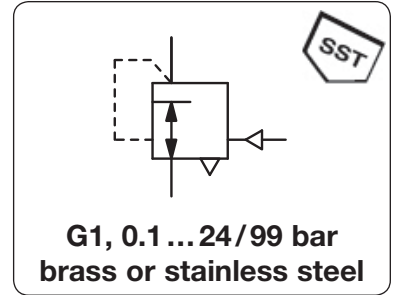


High Pressure Booster up to 100 bar

RLM/LE

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 G $\frac{1}{4}$	
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



Dimensions			K _v -value	Flow rate	Connection thread	Supply pressure max. bar*2	Pressure range bar	Order number
A	B	C						
mm	mm	mm	(m ³ /h)	m ³ /h*1	l/min*1	G		

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



RLM, made of brass

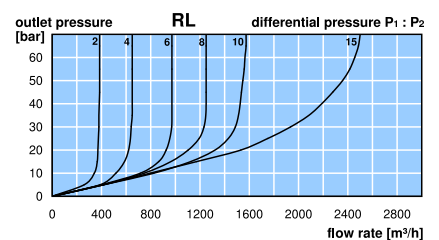
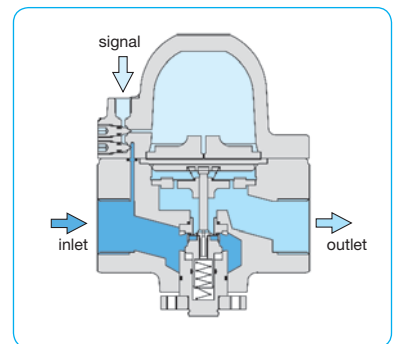
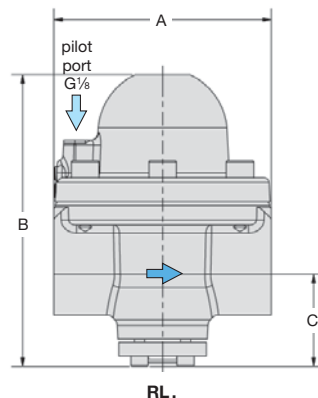
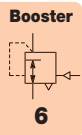
SST pressure regulator								supply pressure max. 25 / 100 bar, non-relieving, without constant bleed, transmission ratio 1:1, FKM	RLE
127	170	54	2.9	340	5600	G1	25	0.1 ... 24	RLE-08J1
				2500	60000	G1	100	0.5 ... 99	RLE-08J2



RLE, made of stainless steel

Special options, add the appropriate letter

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

PDF CAD
www.aircom.net



Order example:
RLM-08J1