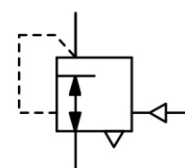


R120-J - Régulateur de pression piloté, amplificateur de débit, booster, compatible eau, liquides, air comprimé et gaz. Pilotage par air comprimé (pas de liquide pour le pilotage)

Description	Solid volume booster made of brass or bronze throughout with a 1:1 transmission ratio. R120-02J2 to R120-08J2 are diaphragm-operated, R120-12J, R120-16J and R120-...J5 are piston-operated.		
Media	compressed air, non-corrosive gases or liquids		
Supply pressure	max. 50 bar, for liquids $\Delta p_{max} = 25$ bar		
Pilot pressure	max. 15 bar for R120-...J2, max. 50 bar for R120-...J5, pilot port G $\frac{1}{4}$		
Air consumption	without constant bleed		
Relieving function	non-relieving, optionally relieving		
Relief size	DN2		
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied		
Mounting position	any		
Temperature range	0 °C to 80 °C / 32 °F to 176 °F for FKM or EPDM 0 °C to 130 °C / 32 °F to 266 °F for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F, optionally low temperature version down to -40 °C / -40 °F		
Material	Body: brass up to G $\frac{1}{2}$, bronze from G $\frac{3}{4}$ on	O-rings: FKM, optionally EPDM	Inner valve: brass
	Diaphragm: NBR/Buna-N with PTFE coating		



G $\frac{1}{4}$ up to G2
1 ... 15/50 bar

Dimensions	Regul. system	K _v	Flow rate	Connection	Pilot pressure	Pressure range	Order number
A B C D: diaphragm		value	(m³/h)	thread	max. bar	bar	
mm mm mm P: piston		(m³/h)	m³/h*1	G			

Booster made of brass					supply pressure max. 50 bar, non-relieving, without constant bleed, transmission ratio 1:1					R120-J
64	79	38	D	1.4	60	1000	G¼	15	1...15	R120-02J2
64	92	38	P					50	1...50	R120-02J5
80	86	38	D	3.0	120	2500	G½	15	1...15	R120-04J2
80	107	38	P					50	1...50	R120-04J5
114	147	66	D	9.8	500	8300	G¾	15	1...15	R120-06J2
114	176	66	P					50	1...50	R120-06J5
114	147	66	D	9.8	500	8300	G1	15	1...15	R120-08J2
114	176	66	P					50	1...50	R120-08J5
174	223	122	P	25.0	2000	33000	G1½	15	1...15	R120-12J2
174	223	122	P					50	1...50	R120-12J5
174	223	122	P	25.0	2000	33000	G2	15	1...15	R120-16J2
174	223	122	P					50	1...50	R120-16J5



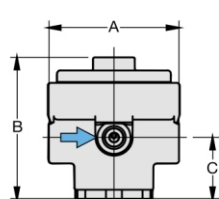
R120-02J2



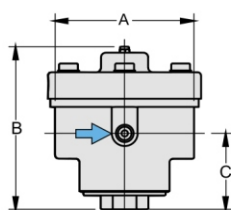
R120-04J5



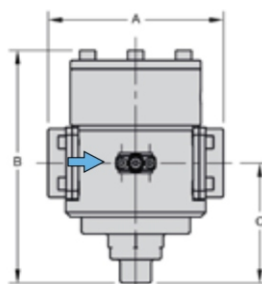
R120-06J2



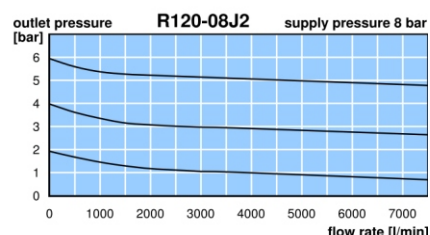
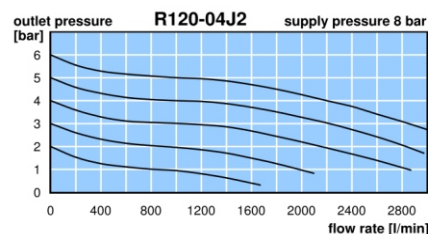
R120-02/-04J.



R120-06/-08J.



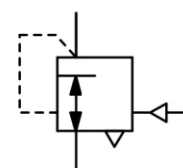
R120-12/-16J.



*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
*2 02 = 0...2.5 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 60 = 0...60 bar

R120-J - Régulateur de pression piloté, amplificateur de débit, booster, compatible eau, liquides, air comprimé et gaz. Pilotage par air comprimé (pas de liquide pour le pilotage)

Description	Solid volume booster made of brass or bronze throughout with a 1:1 transmission ratio. R120-02J2 to R120-08J2 are diaphragm-operated, R120-12J, R120-16J and R120-...J5 are piston-operated.		
Media	compressed air, non-corrosive gases or liquids		
Supply pressure	max. 50 bar, for liquids $\Delta p_{max} = 25$ bar		
Pilot pressure	max. 15 bar for R120-...J2, max. 50 bar for R120-...J5, pilot port G $\frac{1}{4}$		
Air consumption	without constant bleed		
Relieving function	non-relieving, optionally relieving		
Relief size	DN2		
Gauge port	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied		
Mounting position	any		
Temperature range	0 °C to 80 °C / 32 °F to 176 °F for FKM or EPDM 0 °C to 130 °C / 32 °F to 266 °F for high temperature version, for appropriately conditioned compressed air down to -20 °C / -4 °F, optionally low temperature version down to -40 °C / -40 °F		
Material	Body: brass up to G $\frac{1}{2}$, bronze from G $\frac{3}{4}$ on	O-rings: FKM, optionally EPDM	Inner valve: brass
	Diaphragm: NBR/Buna-N with PTFE coating		

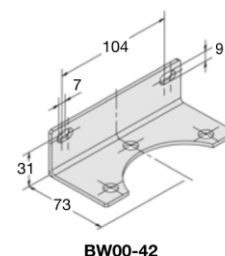


**G $\frac{1}{4}$ up to G2
1 ... 15/50 bar**

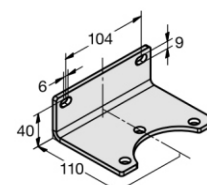
Dimensions	Regul. system	K _v	Flow	Connection	Pilot	Pressure	Order
A B C	D: diaphragm	value	rate	thread	pressure	range	number
mm mm mm	P: piston	(m ³ /h)	m ³ /h*1 l/min*1	G	max. bar	bar	

Special options, add the appropriate letter

diaphragm relieving	for R120-02J2 up to R120-08J2	R120-...J..R
piston relieving	for R120-12J, R120-16J and R120-...J5	R120-...J..R
down to -40 °C	low temperature version	R120-...J..X51
up to 130 °C	high temperature version	R120-...J..X54
EPDM elastomer	not for G2	R120-...J..E
tapped exhaust		R120-...J..RX12
nitrogen N ₂ : 07	carbon dioxide CO ₂ : 03	argon Ar: R120-...J..05
helium He: 09	hydrogen H ₂ : 11	methane CH ₄ : R120-...J..13
natural gas 14	oxygen O ₂ : 15	propane C ₃ H ₈ : R120-...J..16
	nitrous oxide N ₂ O: 17	water H ₂ O: R120-...J..W
flange connection	flange connection according to EN-1092-1 or ASME B16.5 on request	R120-...J..F.



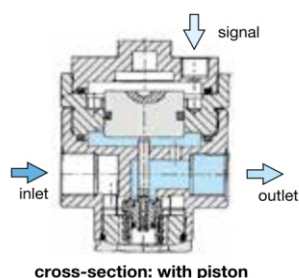
BW00-42



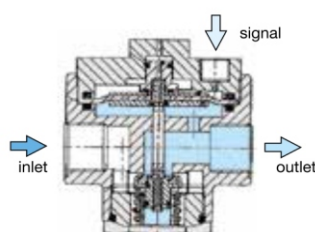
BW00-68S

Accessories, enclosed

pressure gauge	Ø 50 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{1}{4}$ and G $\frac{1}{2}$	MA5002-..*2
pressure gauge	Ø 63 mm, 0...*2 bar, G $\frac{1}{4}$	for G $\frac{3}{4}$ up to G2	MA6302-..*2
mounting bracket	made of steel	for G $\frac{3}{4}$ and G1	BW00-42
	made of stainless steel	for G1 $\frac{1}{2}$ and G2	BW00-68S



cross-section: with piston



cross-section: with diaphragm

*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

*2 02 = 0...2.5 bar, 06 = 0...6 bar, 10 = 0...10 bar, 16 = 0...16 bar, 60 = 0...60 bar