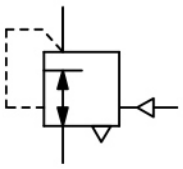
R120J - Régulateur de pression piloté, amplificateur de débit, booster, compatible eau, liquides, air comprimé et gaz. Pilotage par air comprimé (pas de liquide pour le pilotage)

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 G¼
Air consumption	without constant bleed
Relieving function	non-relieving, optionally relieving
Relief size	DN2
Gauge port	G¼ 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 G½, bronze from G¾ on O-rings: FKM, optionally EPDM Diaphragm: NBR/Buna-N with PTFE coating Inner valve: brass



G¼ up to G2
1…15/50 bar

Booster made of brass

supply pressure max. 50 bar, non-relieving, without constant bleed, transmission ratio 1:1

Dimensions A mm	B mm	C mm	Regul. system D: diaphragm P: piston	K_v value (m^3/h)	Flow rate m^3/h*1	l/min*1	Connection thread G	Pilot pressure max. bar	Pressure range bar	Order number R120-J
64	79	38	D	0.35	25	420	G¼	15	1…15	**R120-02J2**
64	92	38	P					50	1…50	**R120-02J5**
80	86	38	D	1	72	1200	G½	15	1…15	**R120-04J2**
80	107	38	P					50	1…50	**R120-04J5**
116	136	65	D	3.5	252	4200	G¾	15	1…15	**R120-06J2**
116	150	65	P					50	1…50	**R120-06J5**
116	136	65	D	4.2	300	5000	G1	15	1…15	**R120-08J2**
116	150	65	P					50	1…50	**R120-08J5**
195	140	84	P	11.8	840	14000	G1½	50	1…50	**R120-12J5**
195	190	84	P	12.6	900	15000	G2	50	1…50	**R120-16J5**

R120-02J2, accessory: gauge

R120-04J2, accessory: gauge

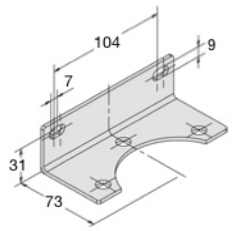
R120-08J2, accessory: gauge

Special options, add the appropriate letter

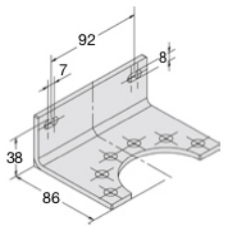
diaphragm relieving	for R120-02J2 up to R120-08J2					R120-..J.**R**
piston relieving	for R120-12J, R120-16J and R120-..J5					R120-..J.**R**
down to -40 °C	low temperature version					R120-..J.**X51**
up to 130 °C	hight temperature version					R120-..J.**X54**
EPDM elastomer	not for G2					R120-..J.**E**
tapped exhaust						R120-..J.R**X12**
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_3H_8:	R120-..J.**16**
		nitrous oxide	N_2O: **17**	**water**	H_2O:	R120-..J.**W**

Accessories, enclosed

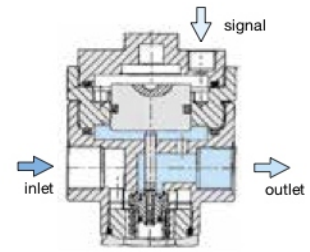
pressure gauge	Ø 50 mm, 0…*2 bar, G¼	for G¼ and G½	**MA5002-..*2**
pressure gauge	Ø 63 mm, 0…*2 bar, G¼	for G¾ up to G2	**MA6302-..*2**
mouting bracket	made of steel	for G¾ and G1	**BW00-42**
		for G1½ and G2	**BW00-43**



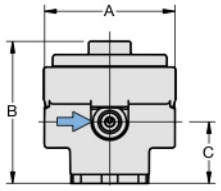
BW00-42



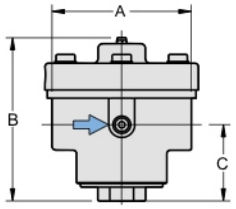
BW00-43



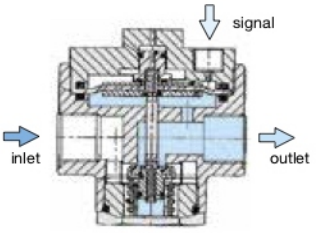
cross-section: with piston



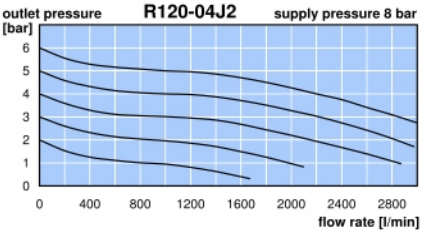
R120-02/-04J.

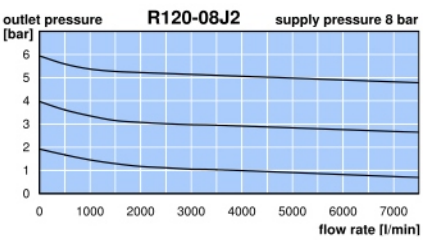


R120-06/-08/-12/-16J.



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

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