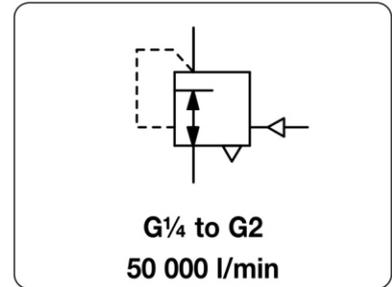


R500 - Régulateur piloté en pression, pour toutes applications standard, G1/4" à G2"

R500 - Standard volume booster, up to G2"

Description	Diaphragm volume flow booster with good control characteristics and a good transmission ratio. The booster is silicone-free.	
Media	compressed air or neutral gases	
Supply pressure	max. 25 / 40 bar see table	
Pilot pressure	max. 16 / 20 bar depending on the control range	
Pilot port	G1/4	
Air consumption	none	
Relieving function	relieving as standard, optionally non-relieving	
Temperature range	-10 C° to 80 C°	Mounting position any
Material	Body: aluminium Diaphragm: NBR/Buna-N	Inner valve: brass Bottom screw: brass/aluminium



Dimensions			Nominal size	P1 max.	Kv-value	Volumenstrom	Flow rate	Pressure range	Order number
A	B	C	DN	bar	(m³/h)	m³/h ^{*1}	G	bar	

Volume booster		Gear ratio 1:1, relieving without air consumption			R500					
82	74	33	5	25	2,5	240	4000	G1/4 ^{*3}	0...16	R500-02
82	74	33	10	25	3,0	300	5000	G3/8 ^{*3}	0...16	R500-03
82	74	33	15	25	3,5	348	5800	G1/2	0...16	R500-04
117	109	48	20	40	8,7	900	15000	G3/4 ^{*3}	0...20	R500-06
117	109	48	25	40	8,7	900	15000	G1	0...20	R500-08
119	123	52	32	40	18,5	1890	31500	G1 1/4 ^{*3}	0...20	R500-10
119	123	52	40	40	18,5	1890	31500	G1 1/2	0...20	R500-12
160	198	106	40	25	30,0	3000	50000	G1 1/2	0...16	R500-C2
160	198	106	50	25	30,0	3000	50000	G2	0...16	R500-16

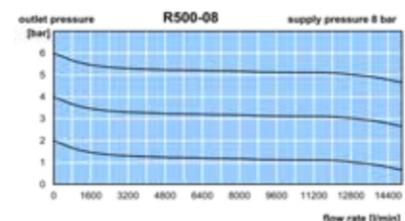
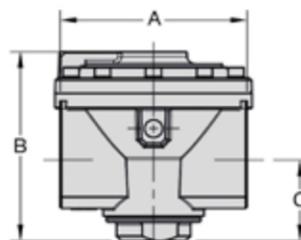
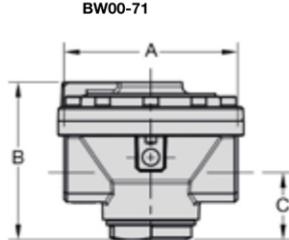
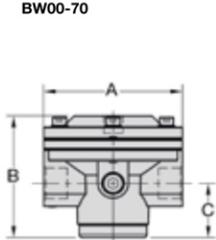
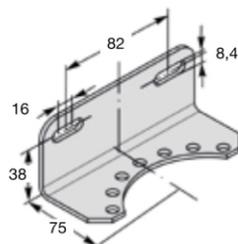
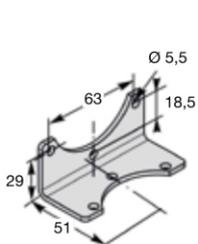


Special options, add the appropriate letter

non relieving	without relieving function		R500-..K
flange connection	according to EN-1092-1 or ASME B16.5	on request	R500-..F.

Accessories, enclosed

pressure gauge	Ø 50 mm, 0... ^{*2} bar, G1/4	for G1/4 to G1/2	MA5002-^{*2}
	Ø 63 mm, 0... ^{*2} bar, G1/4	for G3/4 to G2	MA6302-^{*2}
mounting bracket	made of stainless steel	for G1/4 to G1/2	BW00-70
		for G3/4 to G1 1/2 (12)	BW00-71



^{*1} bei 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop
^{*2} 02 = 0...2,5 bar, 04 = 0...4 bar, 10 = 0...10 bar, 16 = 0...16 bar, 25 = 0...25 bar
^{*3} reduced from the next largest booster