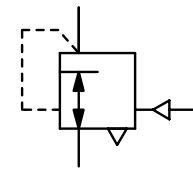


Description	Diaphragm volume flow booster with good control characteristics and a good transmission ratio. The booster is silicone-free.		
Media	compressed air or neutral gases		
Supply pressure	max. 25 / 40 bar see table		
Pilot pressure	max. 16 / 20 bar depending on the control range		
Pilot port	G¼		
Air consumption	none		
Relieving function	relieving as standard, optionally non-relieving		
Temperature range	-10 C° to 80 C°		
Material	Body: aluminium	Mounting position any	
	Diaphragm: NBR/Buna-N	Inner valve: brass	
		Bottom screw: brass/aluminium	



G¼ to G2
50 000 l/min

Dimensions			Nominal	P1	Kv-	Volumen-		Flow	Pressure	Order
A	B	C	size	max.	value	strom		rate	range	number
mm	mm	mm	DN	bar	(m³/h)	m³/h¹	l/min¹	G	bar	E*

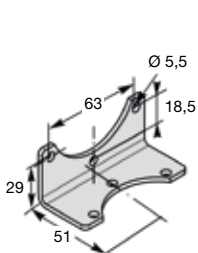
Volume booster										R500
Gear ratio 1:1, relieving without air consumption										
82	74	33	5	25	2,5	240	4000	G¼³	0...16	R500-02
82	74	33	10	25	3,0	300	5000	G¾³	0...16	R500-03
82	74	33	15	25	3,5	348	5800	G½	0...16	R500-04
117	109	48	20	40	8,7	900	15000	G¾³	0...20	R500-06
117	109	48	25	40	8,7	900	15000	G1	0...20	R500-08
119	123	52	32	40	18,5	1890	31500	G1¼³	0...20	R500-10
119	123	52	40	40	18,5	1890	31500	G1½	0...20	R500-12
160	198	106	40	25	30,0	3000	50000	G1½	0...16	R500-C2
160	198	106	50	25	30,0	3000	50000	G2	0...16	R500-16

Special options, add the appropriate letter

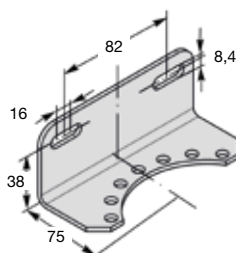
non relieving	without relieving function	R500...K
flange connection	according to EN-1092-1 or ASME B16.5 on request	R500...F.

Accessories, enclosed

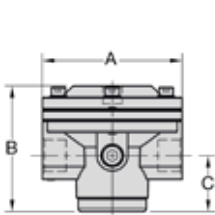
pressure gauge	Ø 50 mm, 0...² bar, G¼	for G¼ to G½	MA5002-²
	Ø 63 mm, 0...² bar, G¼	for G¾ to G2	MA6302-²
mounting bracket	made of stainless steel	for G¼ to G½	BW00-70
		for G¾ to G1½ (12)	BW00-71



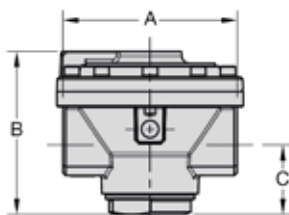
BW00-70



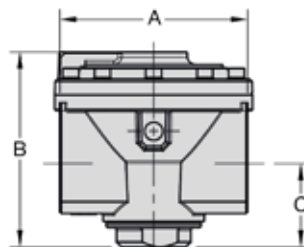
BW00-71



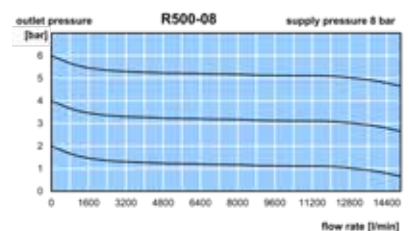
R500-02/-03/-04



R500-06/-08



R500-10/-12



* Produktgruppe



Order example:
R500-02

Gauges: see chapter for measuring devices

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