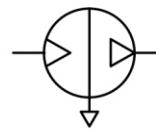


AB - Booster surpresseur de pression d'air comprimé, petit modèle, ratio 1:2, 4 à 16 bar

AB - Air amplifier, pressure booster, small type, transmission ratio 1:2, 4 to 16 bar

Description	The pressure booster doubles the system pressure of e.g. 5 bar to an outlet pressure of 10 bar. The pumping force of two cylindrical chambers compresses the air down to the set outlet pressure within the third chamber while the fourth chamber is vented. Upon reaching the outlet pressure it is turned off, when falling below it is turned on automatically. Pressure boosters are used for occasional demand of compressed air.		
Media	lubricated and 50 µm filtered compressed air		
Drive	double piston intensifier, ratio 1:2 Reversing, check and switching valves provide for automatic control. Life time approx. 20 million switching cycles.		
Inlet pressure P₁	2...8 bar		
Air tanks	are recommended. They compensate pressure fluctuations and allow short-term high volume flows. See circuit below.		
Tank filling time	is a measure of booster performance. To reduce the filling time of the tank, it has to be prefilled with input pressure P ₁ . See circuit below.		
Temperature range	-5 °C to 50 °C / 23 °F to 122 °F		
Material	Cylinder: anodized aluminium		
	seals: NBR/Buna-N		



**max. 4...20 bar
transmission ratio 1:2**

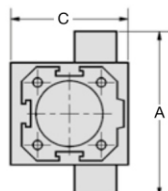
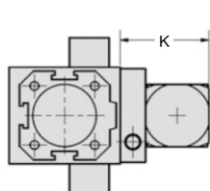
Dimensions	Weight	Connection	Transmission	Flow	Fill time	Pressure	Order
A B C	kg	thread	ratio	rate	10l-tank	range	number
mm mm mm		G	P _A : P ₂	l/min*1	s	bar	

Pressure booster							P ₁ max. 8 bar, for compressed air	AB
100	192	70	1.5	G $\frac{1}{2}$	1 : 2	130	30	4...16 AB040
117	284	90	3.0	G $\frac{3}{4}$	1 : 2	260	15	4...16 AB063
176	468	155	12	G $\frac{1}{2}$	1 : 2	440	6	4...16 AB100

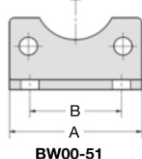
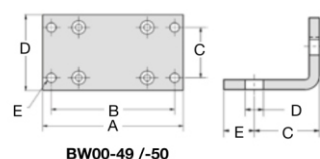
Pressure booster with regulator and gauge							P ₁ max. 8 bar, for compressed air	AB-D
100	192	126	1.5	G $\frac{1}{2}$	1 : 2	130	30	4...16 AB040D
117	284	168	3.0	G $\frac{3}{4}$	1 : 2	260	15	4...16 AB063D
176	468	218	12	G $\frac{1}{2}$	1 : 2	440	6	4...16 AB100D

Accessories, enclosed

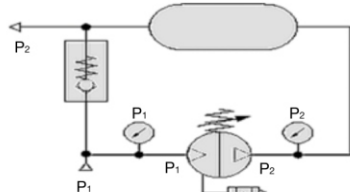
Mounting plate	made of steel, central attachment below	for AB040	BW00-49
		for AB063	BW00-50
Mounting bracket	made of steel, mounting at the side, 1 piece	for AB100	BW00-51



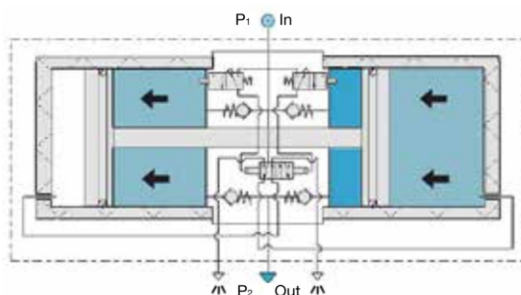
Device	A	B	C	D	E	F	G	H	K
AB040	100	192	70	57	40	30	M4	G $\frac{1}{2}$	56
AB063	117	284	90	75	60	40	M6	G $\frac{3}{4}$	78
AB100	176	468	155	130	114	45	M8	G $\frac{1}{2}$	63



BW00-	A	B	C	D	E
49	82	72	30	45	5,5
50	110	98	53	70	M8
51	65	45	32	9	15



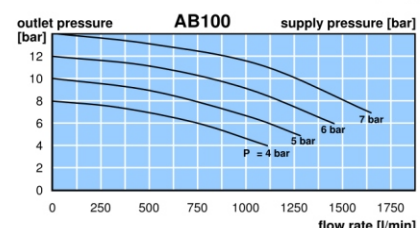
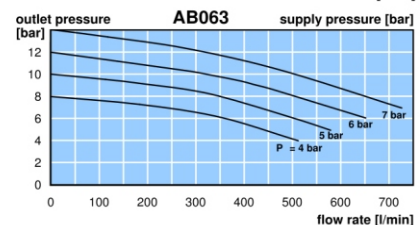
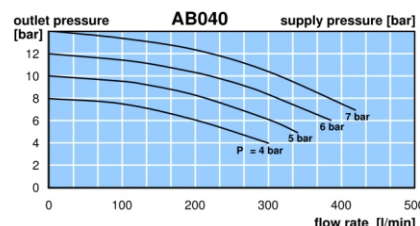
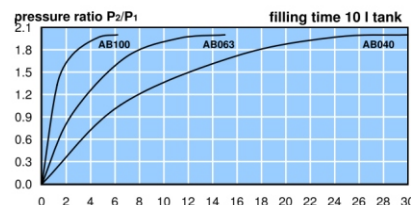
circuit with air tank



AB040



AB040D



*1 at P₂ = 8 bar and 1 bar pressure drop