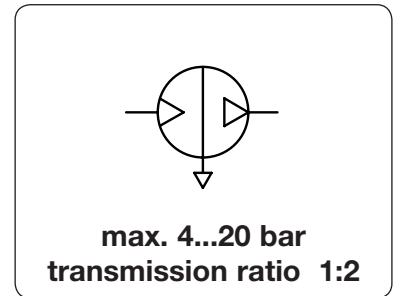


# Pressure Booster

AB

<b>Description</b>	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.	
<b>Media</b>	lubricated and 50 µm filtered compressed air	<b>Mounting position</b> any
<b>Drive</b>	double piston intensifier, ratio 1:2	Reversing, check and switching valves provide for automatic control. Life time approx. 20 million switching cycles.
<b>Inlet pressure P<sub>1</sub></b>	2...10 bar	<b>Outlet pressure P<sub>2</sub></b> 4...20 bar
<b>Air tanks</b>	are recommended. They compensate pressure fluctuations and allow short-term high volume flows. See circuit below.	
<b>Tank filling time</b>	is a measure of booster performance. To reduce the filling time of the tank, it has to be prefilled with input pressure P <sub>1</sub> . See circuit below.	
<b>Temperature range</b>	0 °C to 50 °C / 32 °F to 122 °F	
<b>Material</b>	Cylinder: anodized aluminium	seals: NBR/Buna-N



Dimensions			Weight kg	Connection thread G	Transmission ratio P <sub>A</sub> : P <sub>2</sub>	Flow rate l/min*1	Fill time 10l tank s	Press. range bar	Order number
A mm	B mm	C mm							

Pressure booster										supply pressure P <sub>1</sub> max. 10 bar, for compressed air	AB
100	192	70	1.5	G½	1 : 2	130	30	4...20	AB040		
117	284	90	3.0	G¾	1 : 2	260	15	4...20	AB063		
176	468	155	12	G½	1 : 2	440	6	4...20	AB100		



AB040

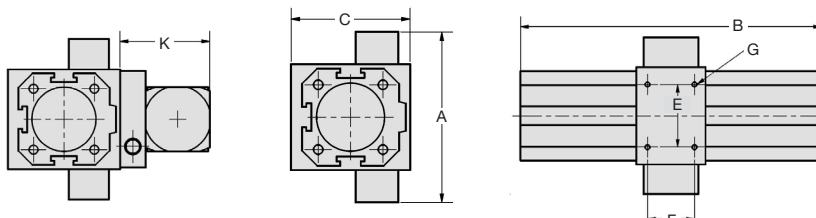
Pressure booster with regulator and gauge										supply pressure P <sub>1</sub> max. 10 bar, for compressed air	AB-D
100	192	126	1.5	G½	1 : 2	130	30	4...16	AB040D		
117	284	168	3.0	G¾	1 : 2	260	15	4...16	AB063D		
176	468	218	12	G½	1 : 2	440	6	4...16	AB100D		



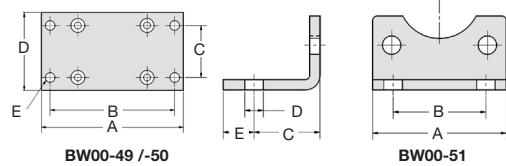
AB040D

## Accessories, enclosed

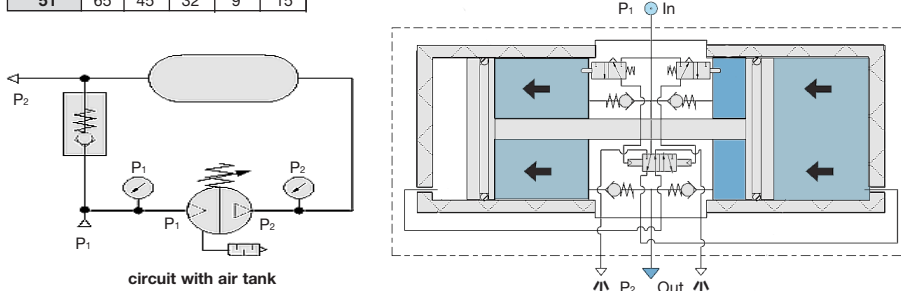
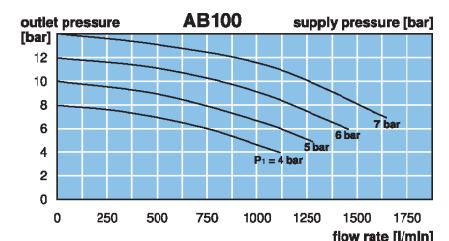
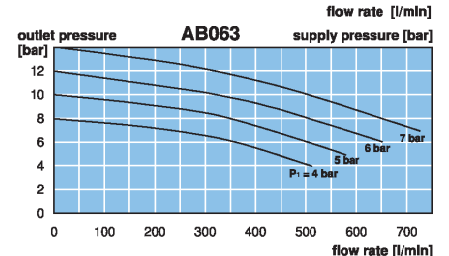
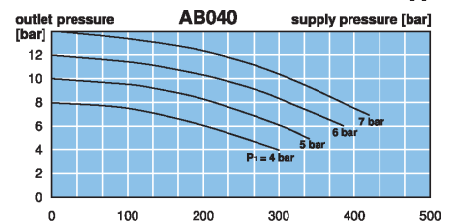
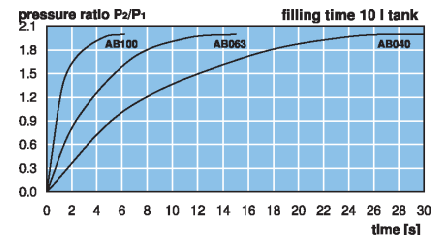
<b>Mounting plate</b>	made of steel, central attachment below	for AB040	<b>BW00-49</b>
		for AB063	<b>BW00-50</b>
<b>Mounting bracket</b>	made of steel, mounting at the side, 1 piece	for AB100	<b>BW00-51</b>



Type	A	B	C	D	E	F	G	H	K
AB040	100	192	70	57	40	30	M4	G½	56
AB063	117	284	90	75	60	40	M6	G¾	78
AB100	176	468	155	130	114	45	M8	G½	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



\*1 at P<sub>2</sub> = 8 bar and 1 bar pressure drop

Pressure booster with 2 l to 20 l tank on request

PDF CAD  
www.aircom.net

Order example:  
AB040D