

Description The air amplifier compresses air or nitrogen from a standard pressure of 5 or 6 bar to the desired outlet pressure of 16 or 40 bar. This is realized by cylinders with different ratios, simply, safe and economical. No electrical installation is required and there is no energy consumption once the final pressure has been reached. Life 3 m cycles, switch-on duration ED 10 minutes.

Air quality Lubricated or unlubricated compressed air. For extremely dry air consult factory.

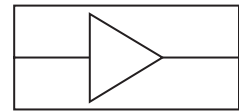
Contin. operation max. 20% of the diagram values have to be realized

Power device Cylinder with integrated shift, check valve and silencer. The pressure will be increased selective to the consumer. No energy consumption once final pressure is attained.

Amplifier station The pressure booster has an additional tank, pressure regulator, filter, gauge, relief valve and On/Off valve. Pressure pulsation rates are low, air consumption peaks are compensated and the operating pressure can be adjusted.

Pressure P_A System air to drive the air amplifier 1 – 10 bar
Pressure P₁ Supply air to amplifier. This can be system pressure or nitrogen.
Pressure P₂ Amplified outlet pressure of 20 bar or higher
Temperature range 0 °C to 60 °C / 32 °F to 140 °F

Sound level max. 79 db (A)



P₁: 6 bar P₂: 60 bar
50 to 1200 l/min

Dimensions	tank	Weight	Connection	Ratio	Flow	Outlet	Order
height width depth	vol.	kg	thread		rate	pressure P ₂	number
mm mm mm	l		cylinder P ₁ / P ₂	P _A : P ₂	l/min*3	max. bar*5	

Air amplifier	with tank, filter, regulator, gauge, switch, relief valve			drive pressure P _A 1-10 bar supply pressure P ₁ max. 12 bar			AP
220 400 360 3	13	G ³ / ₈	G ³ / ₈	1 : 2	580	16	AP16-0580
235 400 360 3	16	G ¹ / ₂	G ¹ / ₂	1 : 2	960	16	AP16-0960
656 844 381 40	49	G ³ / ₄	G ¹ / ₂	1 : 2	1200	16	AP16-1200
655 844 381 40	16	G ¹ / ₂	G ¹ / ₂	1 : 3	230	16	AP16-0230
365 400 133 0.8	5.3	G ³ / ₈	G ³ / ₈	1 : 4	50*2	40	AP40-0050
655 844 381 40	45	G ¹ / ₂	G ³ / ₈	1 : 5	360	40	AP40-0360



AP16-0580 similar to AP16-0960 and AP40-0360



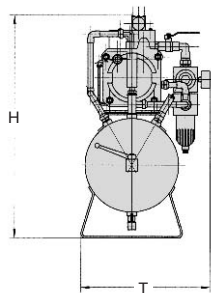
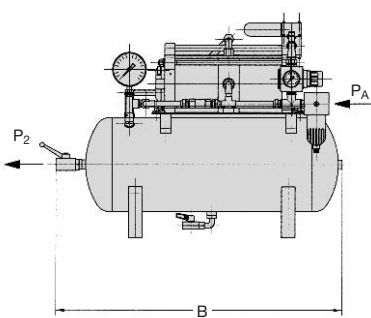
AP16-1200 similar to AP40-0360 and AP16-0230



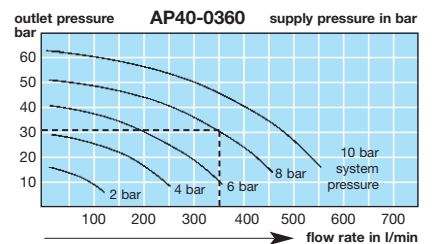
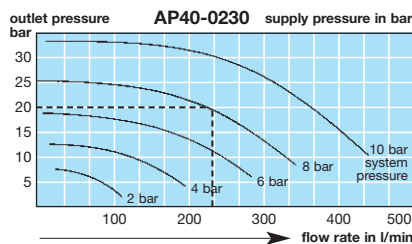
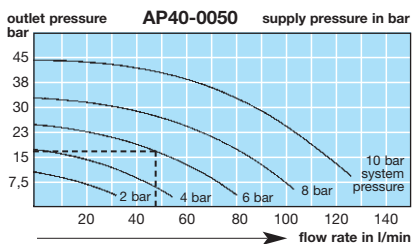
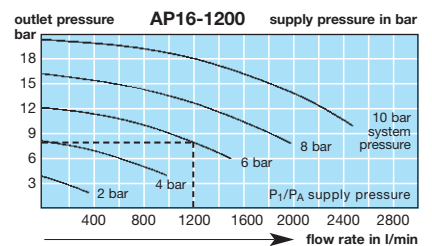
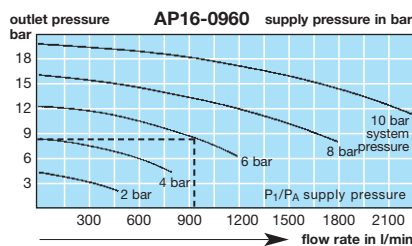
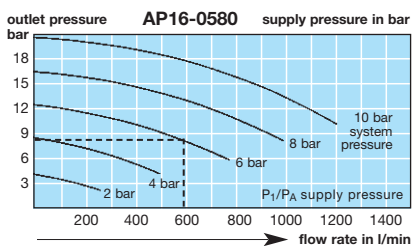
AP40-0050

Pressure booster

5



dimensions



*1 drive pressure for AP40-0050 is 2 to 10 bar

*4 at 6 bar supply and 8 bar outlet pressure and 50 % ED

*2 at 6 bar supply and 16 bar outlet pressure and 50 % ED

*5 limited by tank

*3 at 8 bar supply and 20 bar outlet pressure and 50 % ED

P_A = drive pressure, **P₁** = supply pressure, **P₂** = outlet pressure
 Amplifier up to 3000 bar or for other gases on request



Order example:
AP16-0580