

AP - Multiplicateur éleveur de pression avec réservoir d'air comprimé, ratio 1:2 à 1:5

AP - Air amplifier station with tank, transmission ratio 1:2 to 1:5, 40 bar

Description

The air amplifier compresses air or nitrogen from a standard pressure of 10 bar max. to the desired outlet pressure of 40 bar max. This is realised by cylinders with different ratios - simple, safe and economical. No electrical installation is required and there is no energy consumption once the final pressure has been reached. Service life 3 million cycles, full load operation 12 min max. per hour.

Media

lubricated, unlubricated and 50 µm filtered compressed air

Amplifier station

The pressure booster has an additional tank, pressure regulator, filter, gauge, relief valve and switch-on valve. Pressure pulsation rates are low, air consumption peaks are compensated and the operating pressure can be adjusted.

Drive pressure P_A

system air to drive the air amplifier, 2...10 bar

Supply pressure P_1

max. 12 bar, for instance nitrogen or the system air

Outlet pressure P_2

amplified outlet or operating pressure of 20 bar to 40 bar maximum

Temperature range

0 °C to 60 °C / 32 °F to 140 °F

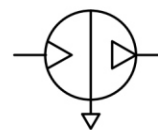
Sound level max. 79 dB (A)

Material

Body: aluminium

Seals: NBR/Buna-N

Tank: coated steel, SST at AP40-0050



P_1 : max. 12 bar, P_2 : 40 bar
50 - 1200 l/min

Dimensions			Weight	Tank	Connection	Transmission	Flow	P_2	Order
A	B	C	kg	volume	thread	ratio	rate	max.	number
mm	mm	mm		l	drive	P_1 / P_2	$P_A : P_2$	bar ⁵	

Air amplifier station

supply pressure P_1 max. 12 bar, for compressed air
drive pressure P_A 2...10 bar

AP

220	400	360	13	3	G $\frac{3}{8}$	G $\frac{3}{8}$	1 : 2	580 ^{*1}	20	AP20-0580
235	400	360	16	3	G $\frac{1}{2}$	G $\frac{1}{2}$	1 : 2	960 ^{*1}	20	AP20-0960
656	844	381	49	40	G $\frac{3}{4}$	G $\frac{1}{2}$	1 : 2	1200 ^{*1}	20	AP20-1200
655	844	381	58	40	G $\frac{1}{2}$	G $\frac{1}{2}$	1 : 3	230 ^{*2}	20	AP20-0230
365	400	133	5.3	0.8	G $\frac{3}{8}$	G $\frac{3}{8}$	1 : 4	50 ^{*3}	40	AP40-0050
655	844	381	45	40	G $\frac{1}{2}$	G $\frac{3}{8}$	1 : 5	360 ^{*4}	40	AP40-0360



AP20-0580 similar AP20-0960



AP20-1200 similar AP40-0360 and AP20-0230



AP40-0050

Special options, add the appropriate letter

unlubricated operation seals

FEC seals for dry compressed air or nitrogen

AP...T

Atex

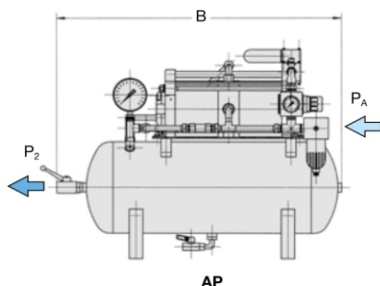
e.g. Ex II 3G/3D IIB x, further specifications possible

AP...EX

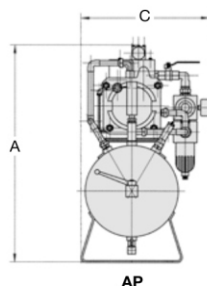
pressure booster for gasbis

P_2 max. 1500 bar

AP...S

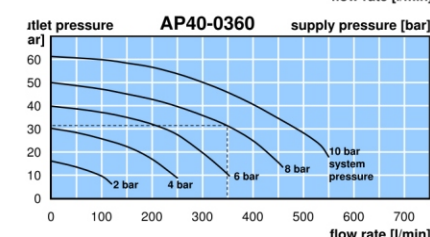
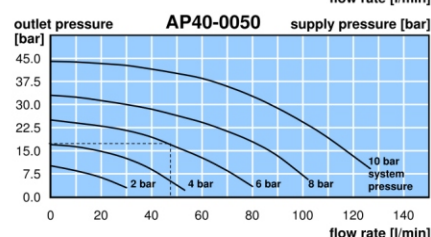
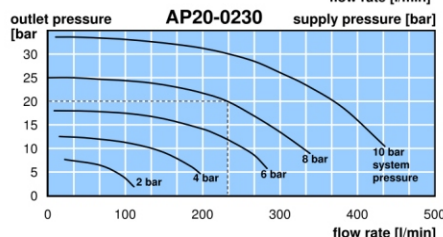
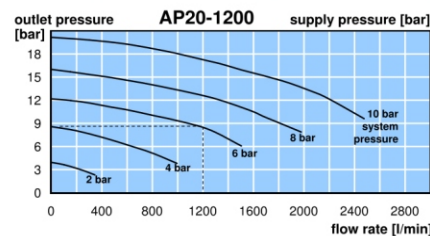
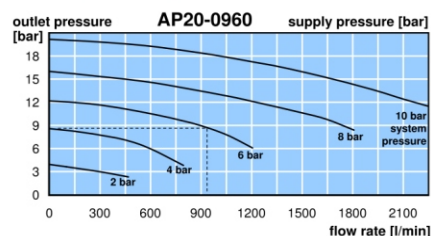
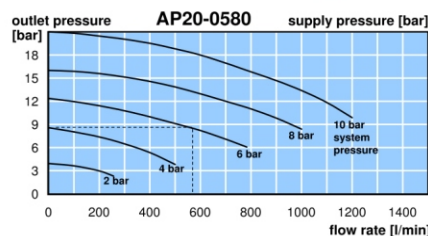


AP



AP

Performance diagrams for full load operations, max. 12 min/h. 20% of the values at permanent running



*1 at 6 bar supply and 8 bar outlet pressure under full load

*3 at 6 bar supply and 16 bar outlet pressure under full load

*2 at 8 bar supply and 20 bar outlet pressure under full load

*4 at 8 bar supply and 30 bar outlet pressure under full load

*5 outlet pressure P_2 limited by the pressure stage of the accumulator, higher pressure ranges on request