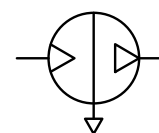


Description	The air amplifier compresses air or nitrogen from a standard pressure of 10 bar max. to the desired outlet pressure of 40 bar max. This is realised by cylinders with different ratios - simple, safe and economical. No electrical installation is required and there is no energy consumption once 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		
Material	Body: aluminium	Seals: NBR/Buna-N	Tank: coated steel, SST at AP40-0050
		Sound level	max. 79 dB (A)



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	$P_A : P_2$	l/min ¹	bar ⁵		X*

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



AP20-0580 similar AP20-0960

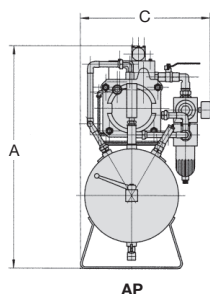
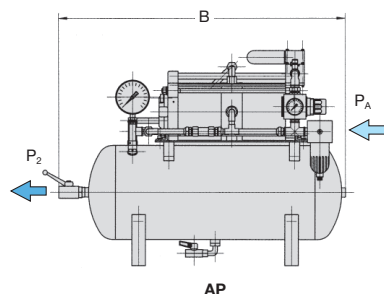
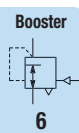


AP20-1200 similar AP40-0360 and AP20-0230

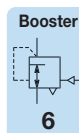
Special options, add the appropriate letter

unlubricated operation seals FEC seals for dry compressed air or nitrogen
 Atex e.g. Ex II 3G/3D IIB x, further specifications possible
 pressure booster for gasbiss P_2 max. 1500 bar

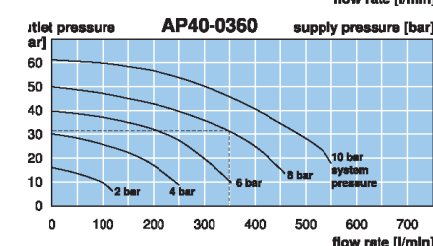
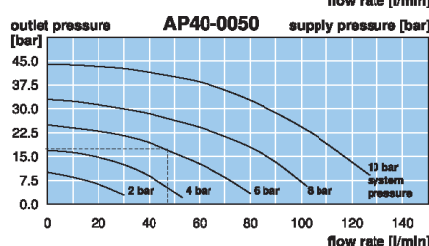
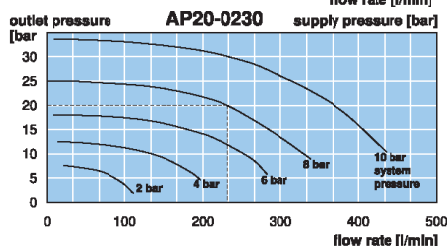
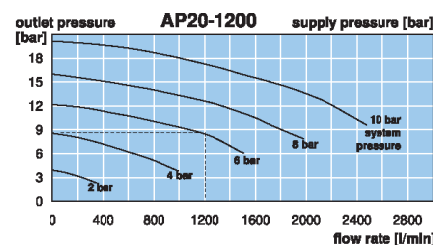
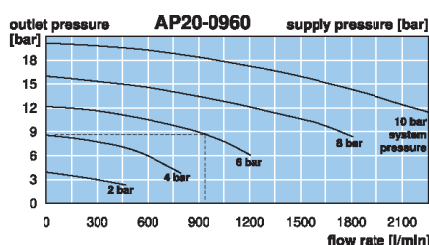
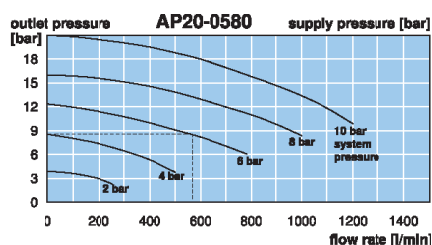
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AP40-0050



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
 *2 at 8 bar supply and 20 bar outlet pressure under full load
 *5 outlet pressure P_2 limited by the pressure stage of the accumulator, higher pressure ranges on request

*3 at 6 bar supply and 16 bar outlet pressure under full load
 *4 at 8 bar supply and 30 bar outlet pressure under full load

* Product group

Calculation examples can be found in the appendix

PDF CAD
 www.aircom.net



Order example:
 AP20-0580