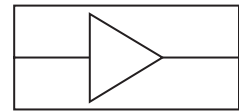


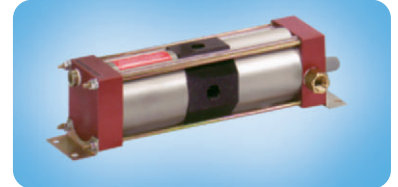
Description	The air amplifier compresses air or nitrogen from a standard pressure of 5 or 6 bar to the desired outlet pressure of 16 or 40 bar. This is realized by cylinders with different ratios, simply, safe and economical. No electrical installation is required and there is no energy consumption once the final pressure has been reached. Life 3 Mio cycles, switch-on rating 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.	
Pressure	P_A	System air to drive the air amplifier
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 bis 1200 l/min

Dimensions			Weight kg	Connection thread G	Ratio P _A : P ₂	Flow rate l/min ^{*3}	Outlet pressure max. bar	Order number
height mm	width mm	depth mm						

Air amplifier	system air P _A supply pressure P ₁		1 -10 bar ^{*1} max. 12 bar		AM			
86	343	84	3.3	G ³ / ₈	1 : 2	580	20	AM20 - 0580
187	324	135	8.5	G ¹ / ₂	1 : 2	960	20	AM20 - 0960
285	427	180	21	G ³ / ₄	1 : 2	1200	20	AM20 - 1200
180	392	135	8.5	G ¹ / ₂	1 : 3	230	32	AM32 - 0230
80	220	80	2.2	G ³ / ₈	1 : 4	50 ^{*2}	40	AM40 - 0050
251	471	176	16	G ³ / ₈	1 : 5	360	60	AM60 - 0360



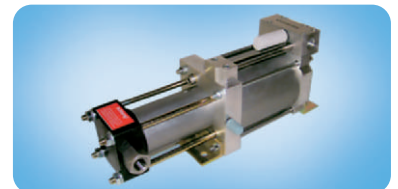
AM-20-0580



AM-20-0960



AM-20-1200



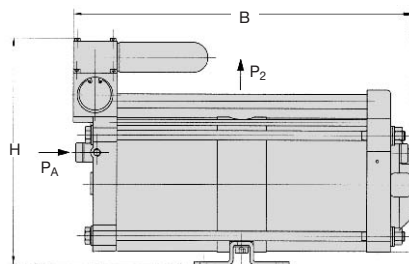
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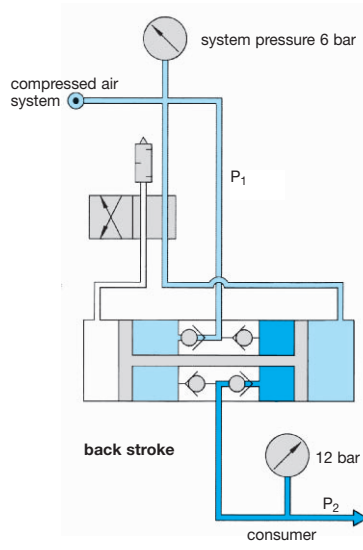
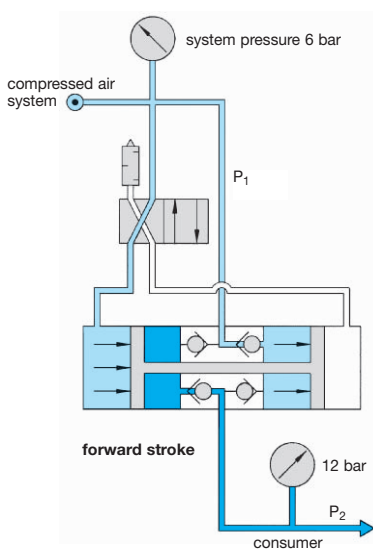
AM-40-0050



AM-20-0580



dimensions



function principle

^{*1} system pressure for AM40-0050 is 2 to 10 bar

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

^{*2} at 6 bar supply and 16 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:
AM20 - 0580