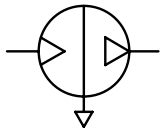
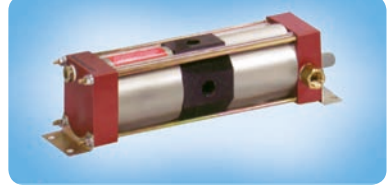


<b>Description</b>	The air amplifier compresses air or nitrogen from a standard pressure of 10 bar max. to the desired outlet pressure of 60 bar max. This is realised by cylinders with different ratios - simple, safe and economical. No electrical installation is required and there is no energy consumption once the final pressure has been reached. Service life 3 million cycles, full load operation 12 min max. per hour.	
<b>Media</b>	lubricated, unlubricated and 50 µm filtered compressed air or nitrogen	
<b>Mounting position</b>	any	
<b>Power device</b>	Cylinder with integrated reversing valve, check valve and silencer. The pressure will be increased selective to the consumer. No energy consumption once final pressure is attained.	
<b>Drive pressure P<sub>A</sub></b>	system air to drive the air amplifier, 2...10 bar	
<b>Supply pressure P<sub>1</sub></b>	max. 12 bar, for instance nitrogen or compressed air	
<b>Outlet pressure P<sub>2</sub></b>	amplified outlet or operating pressure of 20 bar to 60 bar maximum	
<b>Continuous operation</b>	20% of the diagram values should maximally be realised at permanent running	
<b>Temperature range</b>	0 °C to 60 °C / 32 °F to 140 °F	<b>Sound level</b> max. 79 dB (A)
<b>Material</b>	Body: aluminium	<b>Seals:</b> NBR/Buna-N



**P<sub>1</sub>: max. 12 bar, P<sub>2</sub>: 60 bar  
50 to 1200 l/min**

Dimensions			Weight kg	Connection thread G	Transmission ratio P <sub>A</sub> : P <sub>2</sub>	Flow rate l/min	Outlet max. bar	Order number
A	B	C						
mm	mm	mm						




AM20-0580

Pressure booster / Air amplifier								
supply pressure max. 12 bar, compressed air drive pressure P <sub>A</sub> 2...10 bar								
86	343	84	3.3	G $\frac{3}{8}$	1 : 2	580 <sup>*1</sup>	20	<b>AM20-0580</b>
187	324	135	8.5	G $\frac{1}{2}$	1 : 2	960 <sup>*1</sup>	20	<b>AM20-0960</b>
285	427	180	21	G $\frac{3}{4}$	1 : 2	1200 <sup>*1</sup>	20	<b>AM20-1200</b>
180	392	135	8.5	G $\frac{1}{2}$	1 : 3	230 <sup>*2</sup>	32	<b>AM32-0230</b>
80	220	80	2.2	G $\frac{3}{8}$	1 : 4	50 <sup>*3</sup>	40	<b>AM40-0050</b>
251	471	176	16	G $\frac{3}{8}$	1 : 5	360 <sup>*4</sup>	60	<b>AM60-0360</b>



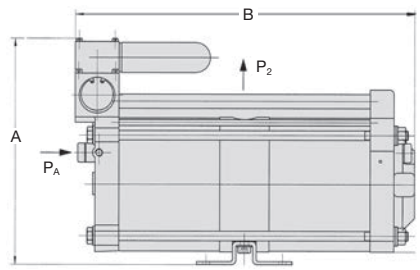
AM20-0960

### Special options, add the appropriate letter

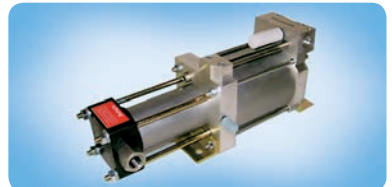
- unlubricated operation seals** FEC seals for dry compressed air or nitrogen AM . . . . . T
- Atex  version** e.g. Ex II 3G/3D IIB x, further specifications possible AM . . . . . EX
- pressure booster for gas** up to max. 1500 bar outlet pressure AM . . . . .
- pressure booster for liquids** AM . . . . .



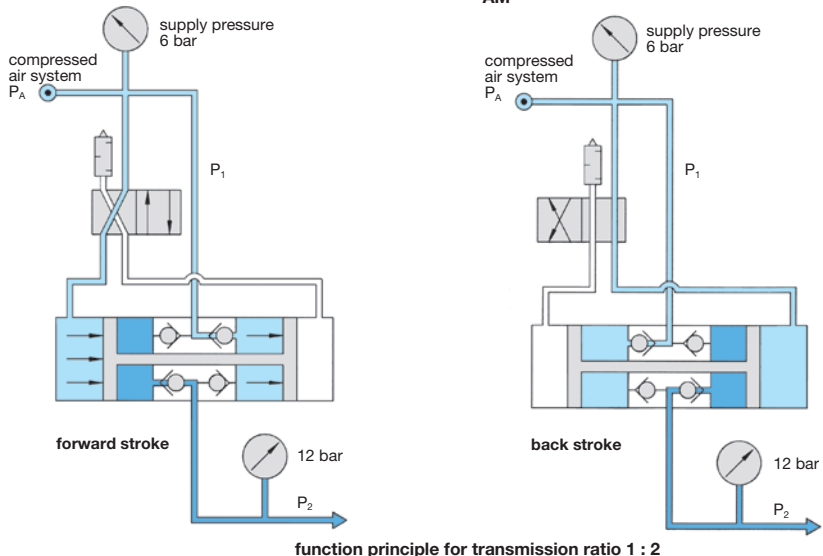
AM20-1200



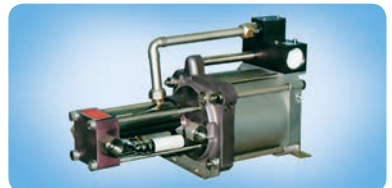
AM



AM32-0230




AM40-0050



AM60-0360

<sup>\*1</sup> at 6 bar supply and 8 bar outlet pressure under full load  
<sup>\*2</sup> at 8 bar supply and 20 bar outlet pressure under full load  
<sup>\*3</sup> at 6 bar supply and 16 bar outlet pressure under full load  
<sup>\*4</sup> at 8 bar supply and 30 bar outlet pressure under full load



 **Order example:**  
AM20-0580