


# MAXIMATOR®

<b>Data sheet:</b> <b>Air Amplifier</b> <b>MAXI-BAR</b> Release: 8/02      Order Code: 3220.0371			
<b>MAXI-BAR,</b> packaged as system: <i>MAXI-BAR / 3 Liter / 16 bar (see option)</i>			
			
<b>Short description</b> The air amplifier MAXI-BAR is suitable to compress shop air. Due to its drive concept the pressure in an existing line can be increased in a ratio of approx. 1 : 2. Only shop air is needed as drive medium. When the shop air is higher than 5 bar, the outlet pressure will be limited to 16 bar. It can be used as a smaller and price attractive alternative in applications where the flow rate is not important and only the pressure shall be increased.			
<b>Benefits</b> <ul style="list-style-type: none"> <li>- Direct pressure increase for a single application</li> <li>- No energy consumption by the air amplifier when the outlet pressure is reached</li> <li>- Non electrical installation, so application in ex areas possible</li> </ul>			
<b>Technical data</b>			
Inlet pressure:	1.5 to 7 bar	Connections:	
Outlet pressure::	3 to maximum 16 bar, limited through an internal shut-off valve	Inlet: <b>P</b>	¼" BSP
Pressure ratio	1 : 2	Outlet: <b>P2</b>	1/8" BSP
Medium:	Compressed air	Exhaust air: <b>R</b>	¼" BSP
<b>Air consumption, outlet flow and floating time:</b>		During pressure increase the air consumption rate is equal to the compressed air. The floating time of the drives can extend by 20 to 40%.	
<b>Temperature range:</b>		-20 to +80°C	
<b>Material of construction:</b>			
Housing:	Aluminium alloy, galvanized		
Seals:	Nitrile rubber = NBR (Perbunan)		
Piston:	POM (Polyoximethylen)		
Hoses (accessory):	PVC, fabric reinforced		
<b>Option:</b>			
<b>Packaged MAXI-BAR system / 3 liter / 16 bar</b> as shown on the above photo (Order code: 3230.0748 Drawing no.: AP201.130.20)		comprising: <ul style="list-style-type: none"> <li>- Air amplifier MAXI-BAR</li> <li>- Safety relief valve 16 bar</li> <li>- Ball valve in the air line</li> <li>- Ball valve at the outlet</li> <li>- Pressure regulator at the outlet</li> <li>- Pressure gauge at the outlet 0-16 bar, dia. 50 mm</li> <li>- Receiver 3 l/16 bar</li> </ul>	

**Please consult factory for more information.**

*All technical and dimensional information subject to change. All General Terms and Conditions of sale, including limitations of our liability, apply to all products and services sold.*

**MAXIMATOR GmbH**

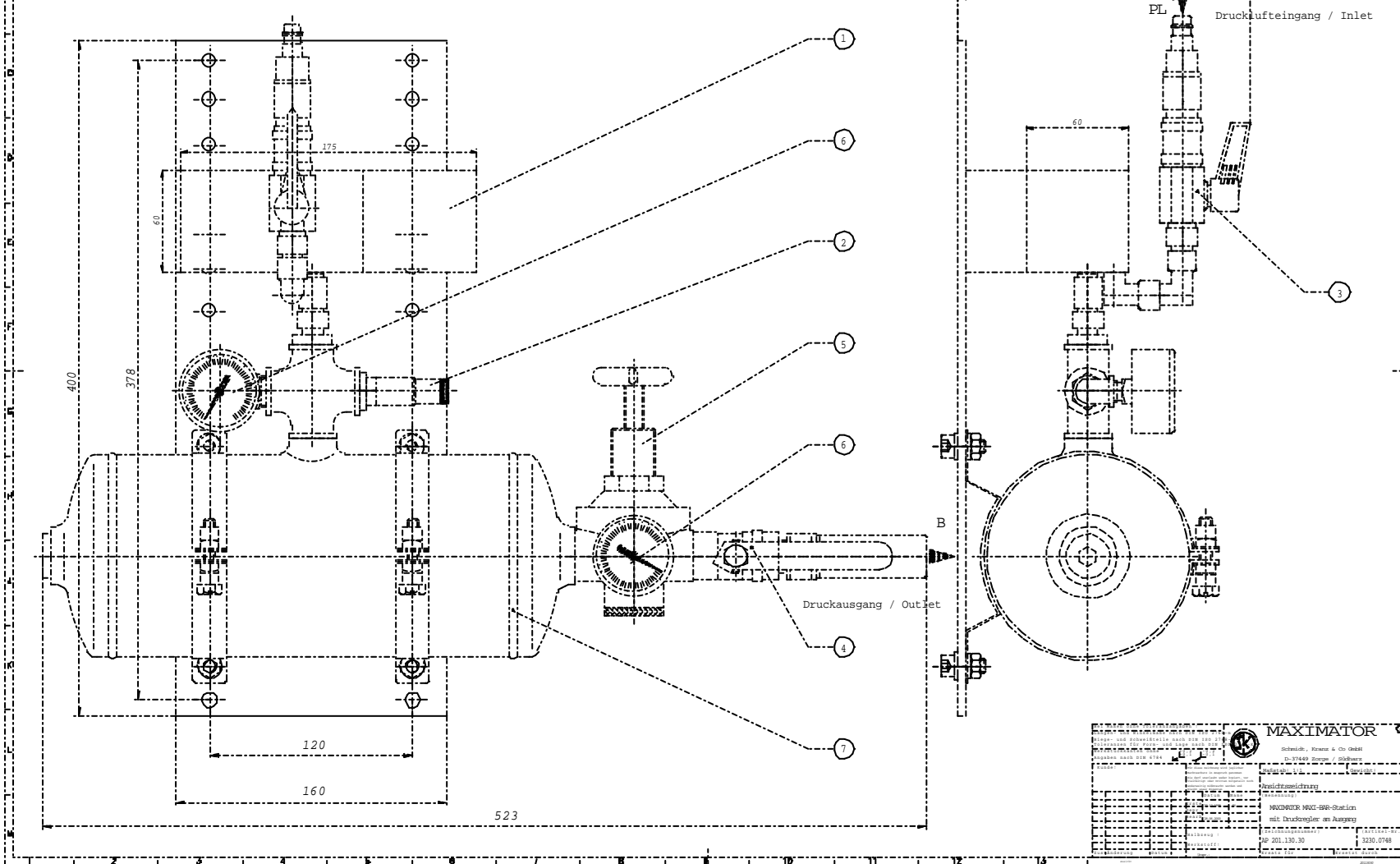
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## MAXIMATOR - Drucklufferhöher MAXI-BAR Station / 3 Liter / 16 Bar

Pos	Menge	Benennung	Artikel-Nr.	Zeichnung-Nr.
1	1	Drucklufferhöher / Air Amplifier	3220.0371	MAXI - BAR
2	1	Sicherheitst. / Safety relief Valve 16 bar	3620.2695	VP 15.04.71.10
3	1	Kugelhahn / Ball Valve G 3/8	3610.0112	VP 10.01.13
4	1	Kugelhahn / Ball Valve G 3/8 IA	3300.2093	350.33
5	1	Druckregler / Pr. Regulator 0,5-25bar	3300.3635	G 1/2
6	2	Manometer / Pr. Gauge 0-16bar (50)	3630.0113	VP 16.01.12
7	1	Druckluftspeicher / Receiver 3l/16bar	3630.0910	VP 16.14.01



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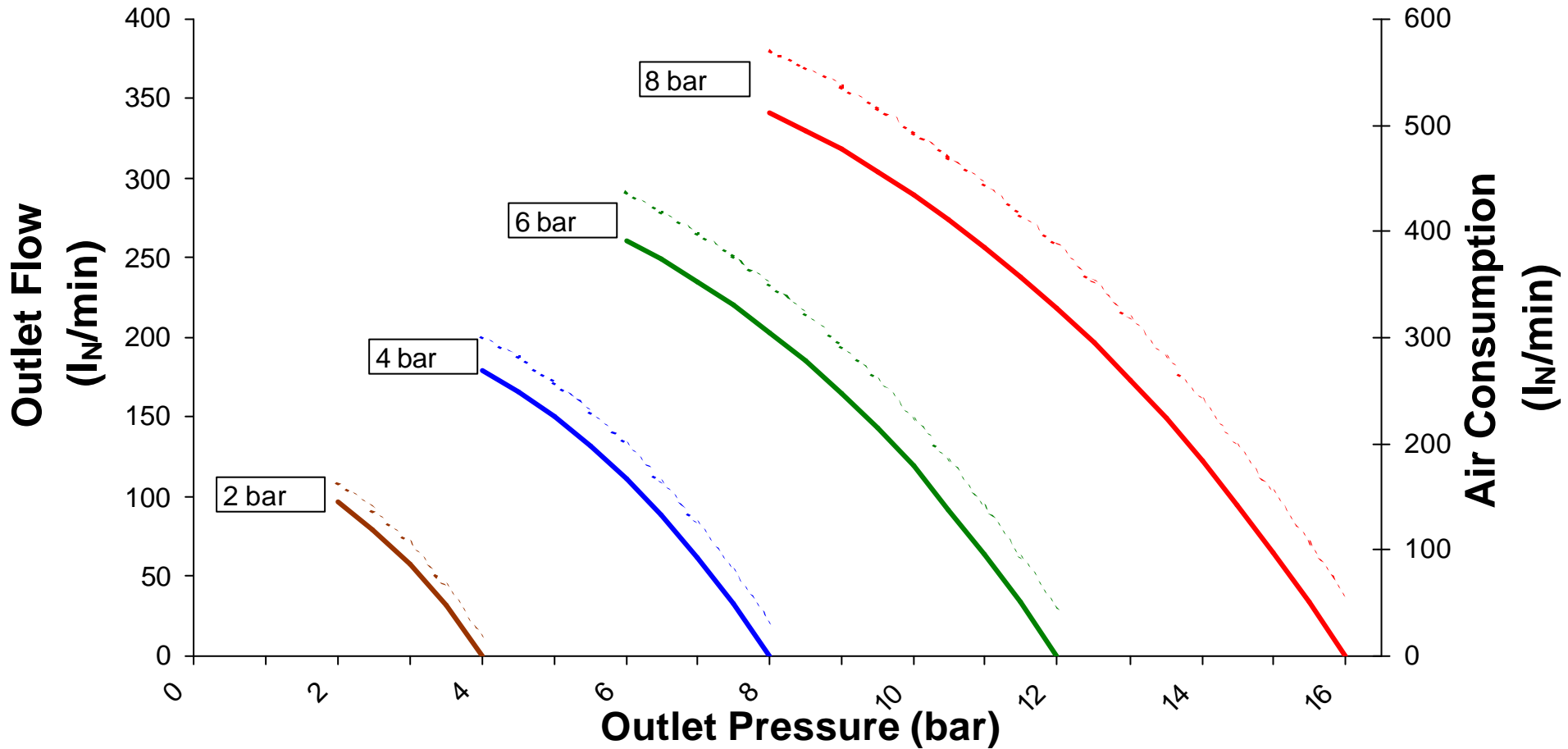
Drucklufferhöher  
MAXIMATOR MAXI-BAR-Station  
mit Druckregler am Ausgange

Artikelnummer: 3220.0371  
Drucklufferhöher  
VP 16.01.12  
VP 16.14.01

## Performance Graph Maxibar

For air demand add together outlet flow and air consumption

Max. Outlet Pressure 16 bar



- Outlet Flow at 2 bar
- Outlet Flow at 4 bar
- Outlet Flow at 6 bar
- Outlet Flow at 8 bar
- Air Consumption at 2 bar
- Air Consumption at 4 bar
- Air Consumption at 6 bar
- Air Consumption at 8 bar