

## RVP 11: Volume-amplifying relay

Used as a 1:1 relay for amplifying the volume of air in pneumatic control systems, e.g. to shorten the running times of large-scale drives or to shorten the fill-up times in systems with very long pipes. Conforms to the regulations on pressure equipment (97/23/EG Art. 3.3).

Housing of light alloy; measuring connections M4 for input and output pressure; compressed-air connection Rp 1/8 female thread for input pressure and Rp 1/4 female thread for supply and output pressures.

Type	Description	Air output	Air consumption	Weight kg
<b>RVP 11 F001</b>	air-volume amplification	7000 l <sub>n</sub> /h	100 l <sub>n</sub> /h	0.6
Supply pressure 1)	1,3 ± 0,1 bar	Permissible ambient temp.		0...55 °C
Input pressure	0...1.4 bar	Connection diagram Dimension drawing Fitting instructions		<a href="#">A03180</a>
Output pressure	0...1.4 bar			<a href="#">M277899</a>
Air recovery	4000 l <sub>n</sub> /h			MV 3238

### Accessories

**0277299 000\*** Fixing bracket for wall mounting, includes screws and blanking piece R 1/8

\*) Dimension drawing or wiring diagram are available under the same number

1) See Section 60 on regulations concerning the quality of supply air, especially at low ambient temperatures.

### Operation

Rising input pressure produces rising output pressure.

Falling input pressure produces falling output pressure.

If a positioner with volume amplifier is used, see Technical Manual *Valves and drives* (7 000477 003) Section 8.

### Technical information

The technical manual *Valves and drives*

provides information on parameters, installation guidelines, control, pneumatic valves and drives, plus general information. 7 000477 003

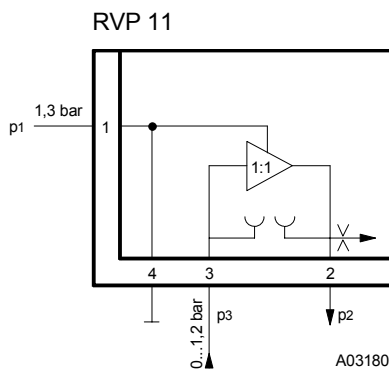


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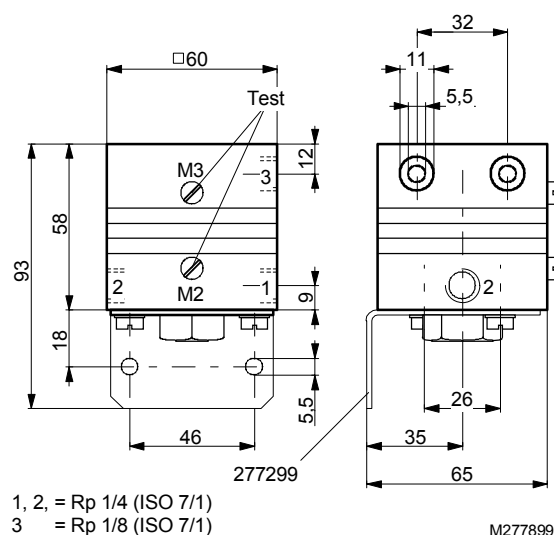


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### Connection diagrams

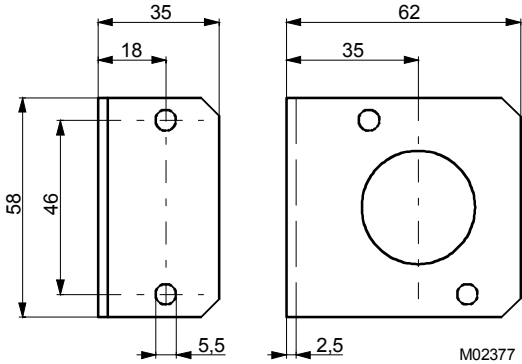


### Dimension drawing



Accessories

277299



Example of use

RVP 11 volume amplifier with XSP 31 to increase the positioning speed of an AV45 P.

Running times for AV45 P10 and P15:  
with *centair*.....approx. 90 s  
with XSP 31.....approx. 45 s  
with XSP 31 and RVP 11.....approx. 10 s

