

Quick release valve 473 501 / 973 500



**Application**

Vehicles with long brake lines and large-volume brake cylinders.

**Purpose**

Rapid evacuation of longer control lines or brake lines and brake cylinders. The brake is therefore released immediately.

**Maintenance**

Special maintenance that extends beyond the legally specified inspections is not required.

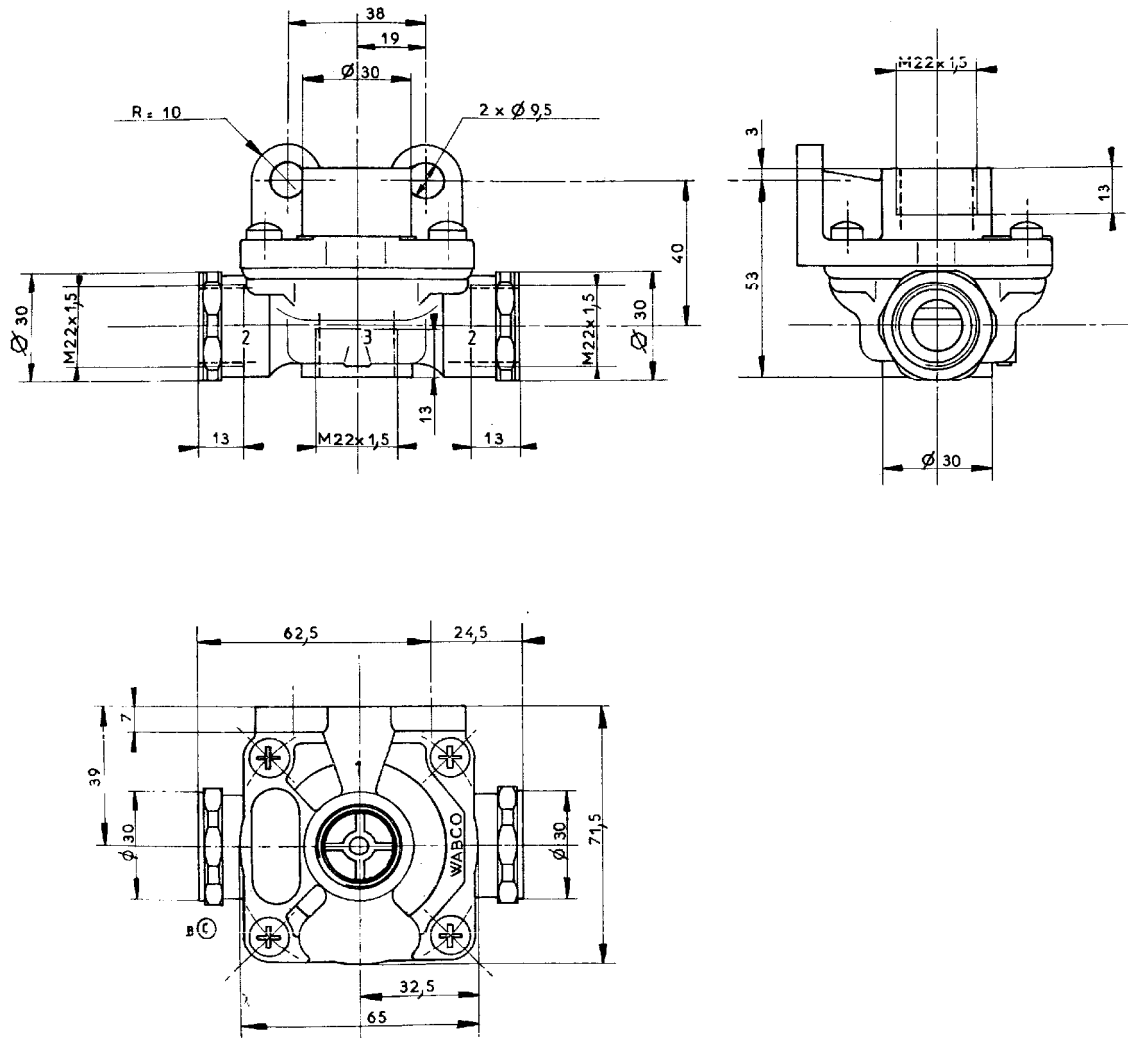
**Installation recommendation**

- Install the quick release valve so that vent 3 points downward.
- Fasten the quick release valve with two M8 bolts.

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## Installation dimensions

973 500 000 0



### Connections

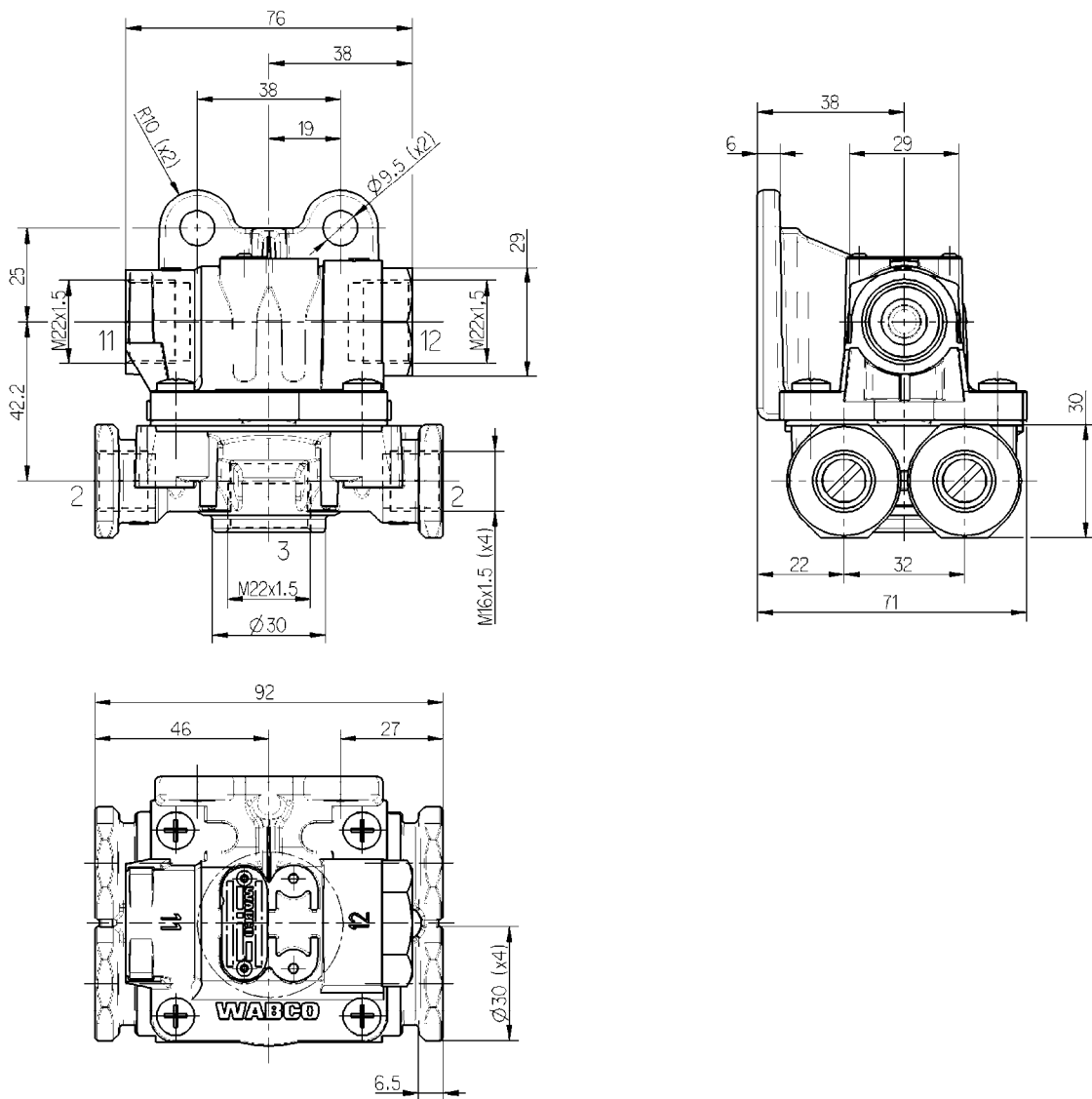
1 Energy supply      2 Energy delivery      3 Exhaust

### Port threads

M 22x1.5 - 13 deep

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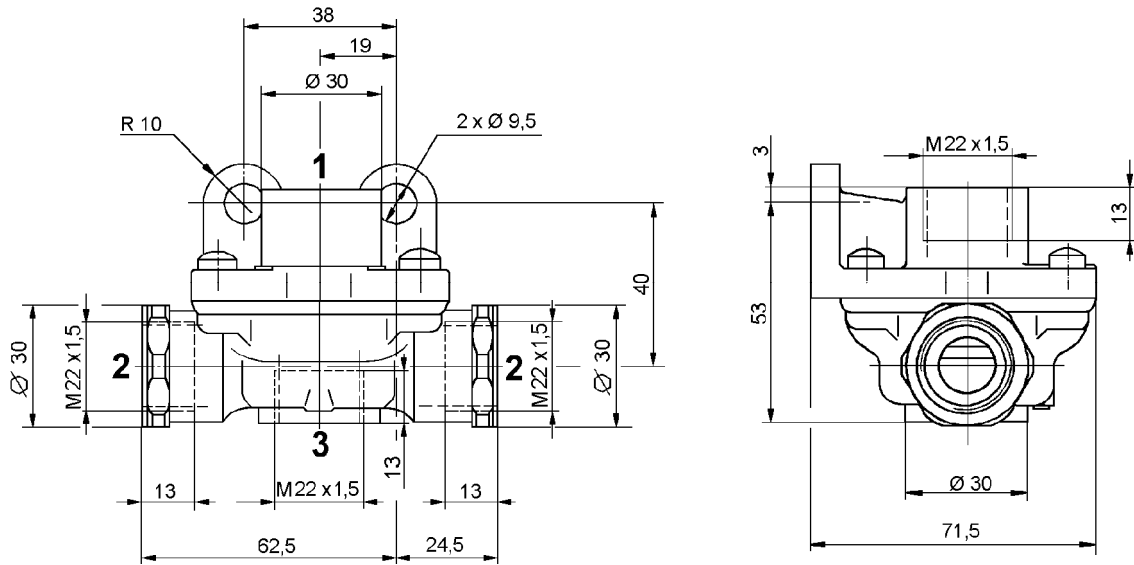
973 500 051 0



Connections		Port threads	
11, 12	Energy supply	3	Exhaust
3, 11, 12			
2	Energy delivery	3, 11, 12	M 22x1.5 - 13 deep
		2	M 16x1.5 - 13 deep

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473 501 004 0



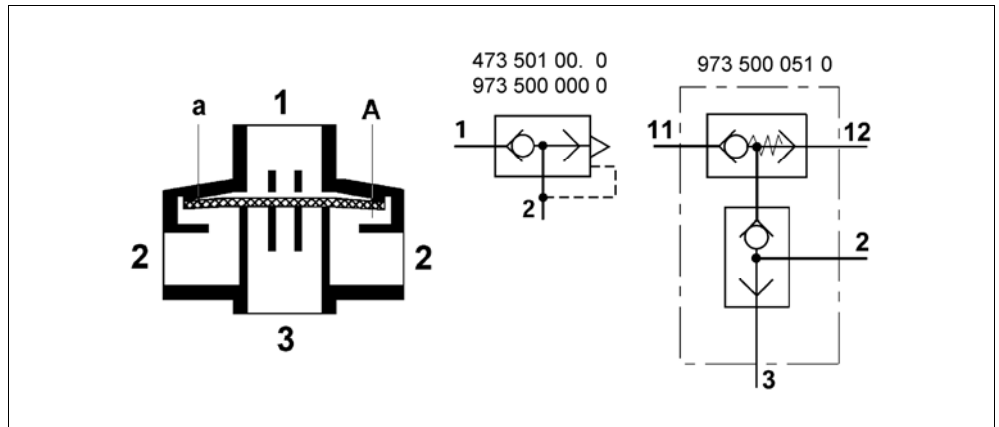
## Connections

1	Energy supply	2	Energy delivery	3	Exhaust
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## Technical data

Order number	473 501 000 0	473 501 001 0	473 501 004 0	973 500 000 0	973 500 051 0
Port 1, 2 with filter	No	No	Yes	No	No
Max. operating pressure	10 bar			12 bar	
Nominal diameter	Ø 14 mm				
Permissible medium	Air				
Operating temperature range	-40 °C to +80 °C				
Weight	0.3 kg				0.43 kg

## Operation



When there is no air on the valve, the outer edge of diaphragm (a), which is slightly prestressed, seats against exhaust 3, closing the passage from port 1 to chamber A. Compressed air from port 1 pushes back the outer edge and reaches the downstream brake actuators via port 2.

When the pressure at port 1 is reduced the higher pressure in chamber (A) forces diaphragm (a) to arch upwards. Depending on the reduction in pressure at port 1 the downstream brake actuators are now partially or completely exhausted via exhaust 3.