

3/2 WAY SHUT-OFF VALVE

Dear Customer,

Thank you for your confidence in our product.

In the following pages you will find the technical data required for the trouble-free installation and maintenance of these pneumatic components. Please read the instructions fully to ensure that the product will give you long, trouble-free service.

Warning: Servicing and repair work must only be carried out by a qualified technician.

1. TECHNICAL DATA

<i>Characteristics</i>			Pressures are gauge pressure	
Port size			G1/4	G3/8
Installation			In any position	
Medium and ambient temperature range	ϑ_{\min}	°C	0 (other temperatures on request) +60 at 10bar	
	ϑ_{\max}	°C		
Weight (mass)		kg	0,25	
<i>Pneumatic Characteristics</i>				
Operating pressure range inlet	$p_{1\min}$	bar	0 16	
	$p_{1\max}$			
Recommended flow rate ①	Q_n	l/min	550	850
		m ³ /h	33	51
Maximum flow rate ②	Q_{\max}	l/min	4600	5300
		m ³ /h	276	318

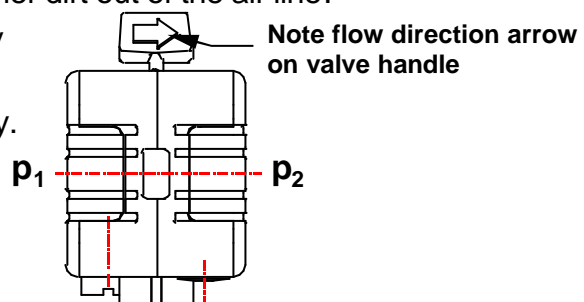
① at $p_2 = 6,3\text{bar}$ and 25m/s

② at $p_1 = 6,3\text{bar}$, $p_2 = 1\text{bar}$

2. INSTALLATION INSTRUCTIONS

Warning: The unit must only be used in industrial applications for compressed air. To avoid danger of injuries, the compressed air system must be fully depressurized while pneumatic components are being installed.

1. Carefully clean rust particles or other dirt out of the air line.
2. Connect the air line to the 3/2 way valve (check flow direction).
3. Turn on the compressed air supply.



3. MAINTENANCE

The 3/2 way valve itself is maintenance-

free. However the complete compressed air system must be correctly maintained (air filtered and dewatered).

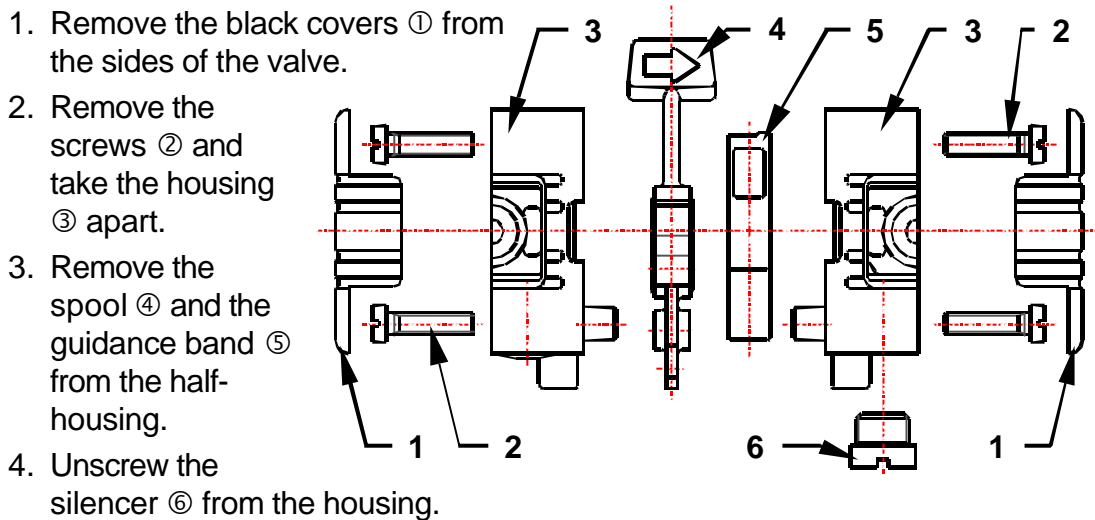
4. VALVE OPERATION

The valve is opened or shut by sliding the handle (valve open \Rightarrow window blue; valve shut \Rightarrow window red).

To prevent tampering a padlock can be fitted (max. hoop thickness 4 mm).

5. DISMANTLING

Warning: To avoid danger of injuries, the unit must only be dismantled with the pneumatic system completely depressurized!



6. REASSEMBLY

Reassembly of the unit is carried out in reverse order to dismantling.

7. DISPOSAL

The method of disposal of packaging and discarded parts must comply with local regulations.

8. ASSEMBLY OF SEVERAL COMPONENTS

Only components of the same size can be assembled into combined units.

1. Remove the black cover plates from the inlets and outlets of the components you wish to assemble. The coloured cover plates remain in place.
2. Turn the component so that the flange surface which is to be joined to the other component is on top.
3. Lay the O-ring ① from the coupling kit on the flange surface.
4. Place the hexagon nuts ② in the recesses on the component.
5. Place the other component on the flange surface.
6. Place the clamping cones ④ with the screws ③ in the recesses on the components.
7. Tighten the clamping screws.
8. Push the little cover plates ⑤ from the coupling kit on to the clamping cones.

