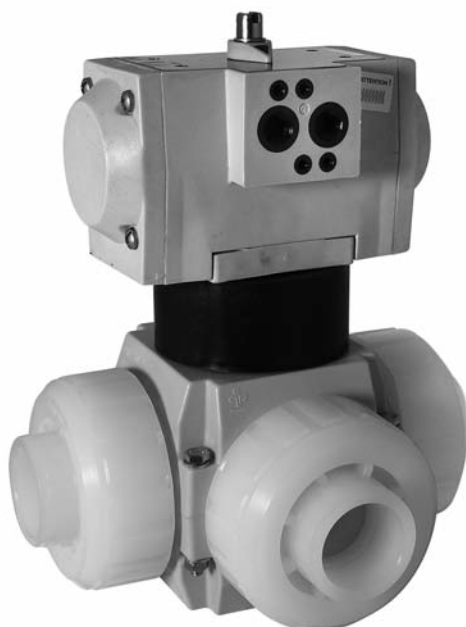


# VP3V S4-PVDF

**Pneumatic actuated ball valves 3-way**



**INSTRUCTIONS MANUAL**

**BAMO MESURES**

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valves 3-way**

**VP3V S4-PVDF**

08-04-2014

913 M1 08 C

**PLAS**

**913-08/1**

## DESCRIPTION

Pneumatic actuators are designed for controlling quarter turn plastic valves. For any other purpose, please report to us before start up; we may not be responsible of troubles due to other applications.

### 1. Fitting on the pipe line

#### 1.1. Precautions

Before fitting the valve, it is necessary to verify the chemical compatibility between all the elements (fluid vs. body, seals, seating joints).

#### 1.2. Assembly

Respect common precautions for the assembly of all elements together.  
All parts should correspond in dimensions, pressure & temperature limits.

### 2. Pneumatic actuators connection

#### 2.1. Precautions

Fitting, connections, initial start-up and maintenance operations must be done by trained technicians.  
All European and local rules for pneumatic devices and systems must be respected.

#### 2.2. Connecting the actuator

A pilot valve certified for our actuators would be preferable to any other devices:

- Pilot valve: 3/2-way solenoid valve (single effect)
- Pilot valve: 5/2-way solenoid valve (double effect)

Compressed air supply through G 1/4" connection: acc. NAMUR specifications.  
Control pressure: 6 bar as a minimum, 8 bar as a maximum

### 3. Assistance with manual operating

- Exhaust the compressed air before to intent a manual operating
- Turn on the spindle with an appropriate tool.

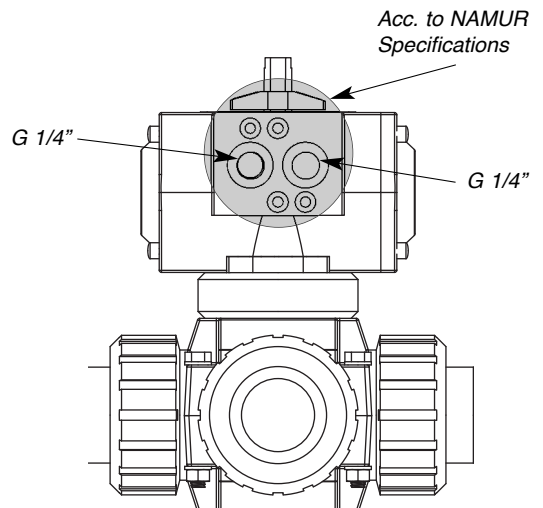


### 4. Technical features

#### Valve materials

Body:	PPH
Seals:	EPDM or FPM
Ball:	PPH
Ball seating joints:	PTFE
Ball shapes:	L shape or T shape
Process connections:	Unions ( <i>solvent sockets</i> )
Pressure:	10 bar as a maximum up to 20°C

<b>Pneumatic actuator</b>	Single or Double acting
Control pressure:	6 bar as a minimum, 8 bar as a maximum
Connections:	1/4" G
According to:	NAMUR VDI/VDE 3845 and ISO 5211



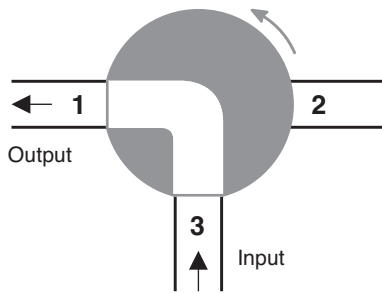
## 4. Specifications of 3 ways ball valve

### 3 ways valves L shape

"L1" fonction: distribution

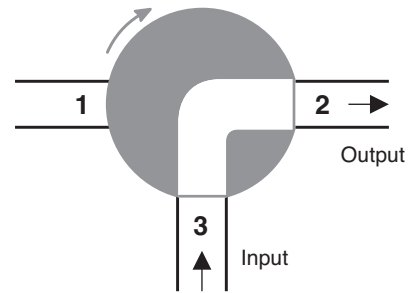
1 input, 2 output

Start position (0°)



90° Rotation  
(clockwise or anticlockwise)

End position (90°)

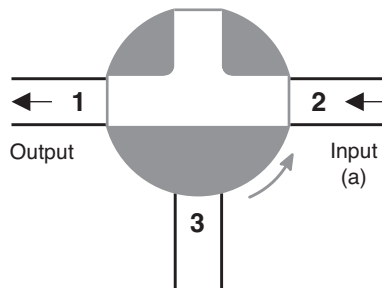


### 3 ways valves T shape

"T1" fonction: Mixing

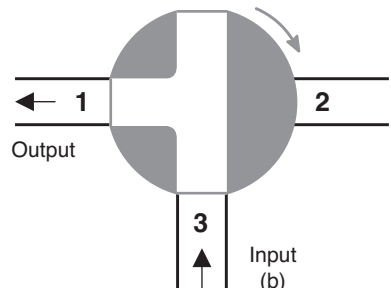
2 input, 1 output

Start position (0°)



90° Rotation  
(clockwise or anticlockwise)

End position (90°)

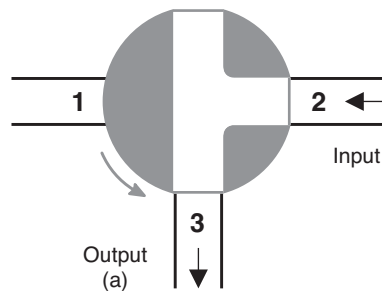


### 3 ways valves T shape

"T2" fonction: switching

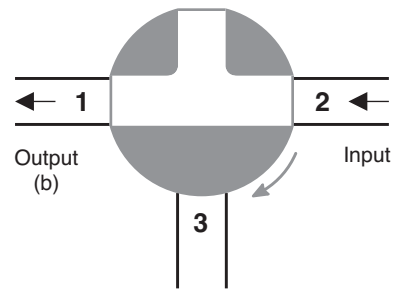
1 input, 2 output

Start position (0°)



90° Rotation  
(clockwise or anticlockwise)

End position (90°)



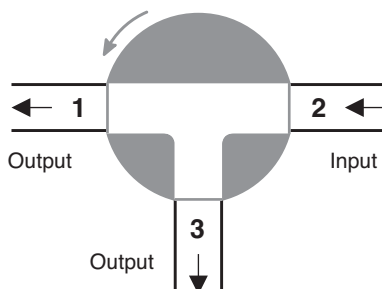
### 3 ways valves T shape

"T3" fonction: switching

Mode 1: 1 input, 2 output

Mode 2: 1 input, 1 output

Start position (0°)



90° Rotation  
(clockwise or anticlockwise)

End position (90°)

