

# VP3V S4-PVC

**Pneumatic actuated ball valves 3-way**



**INSTRUCTIONS MANUAL**

**BAMO MESURES**

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valves 3-way**

**VP3V S4-PVC**

29-11-2011

913 M1 02 B

**PLAS**

**913-02/1**

## 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

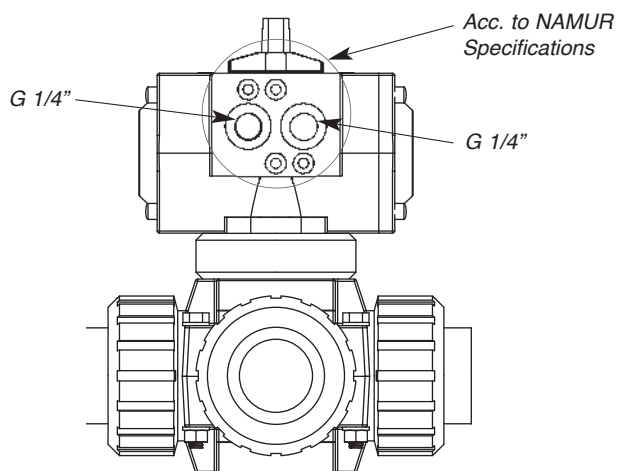
Fitting, connections, initial start-up and maintenance operations must be done by trained technicians.  
All European and local rules for pneumatic devices and systems must be respected.

#### 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.  
Maximal pressure is 6 bar.



### 3. Assistance with manual operating

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



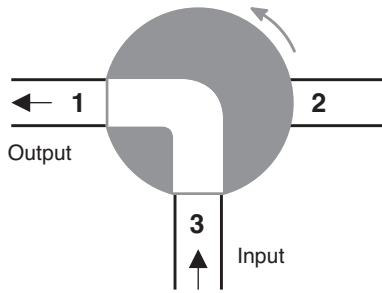
#### 4. Specifications of 3 ways ball valve

##### 3 ways valves L shape

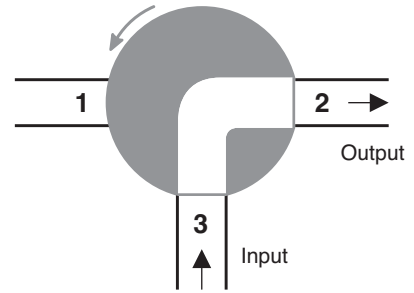
"L1" fonction: distribution

1 input, 2 output

Start position (0°)



End position (90°)



90° Rotation

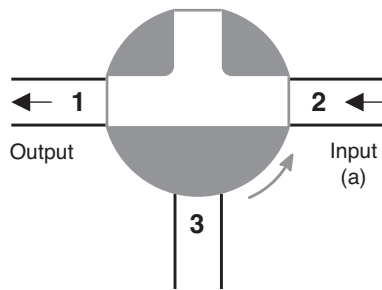


##### 3 ways valves T shape

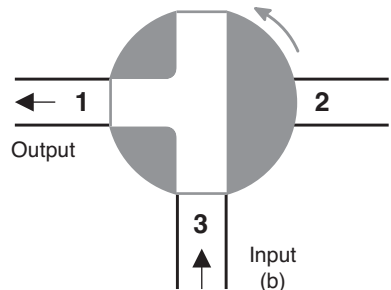
"T1" fonction: Mixing

2 input, 1 output

Start position (0°)



End position (90°)



90° Rotation

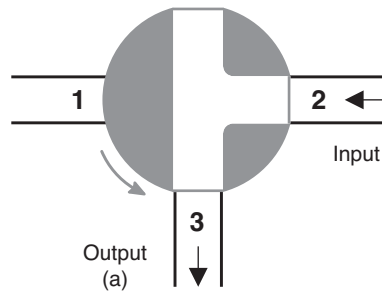


##### 3 ways valves T shape

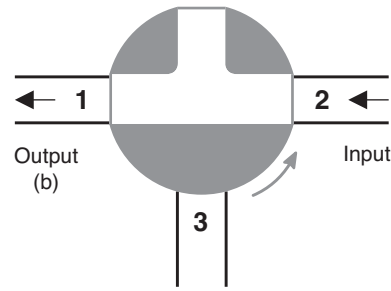
"T2" fonction: switching

1 input, 2 output

Start position (0°)



End position (90°)



90° Rotation



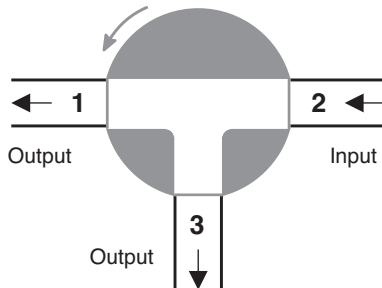
##### 3 ways valves T shape

"T3" fonction: switching

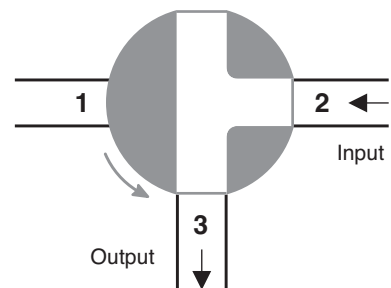
Mode 1: 1 input, 2 output

Mode 2: 1 input, 1 output

Start position (0°)



End position (90°)



90° Rotation

