



# EVOSIX



Pettinaroli **63 series**, more than a six-way



**1****ONE PRODUCT**

25 different kv configurations

All interchangeable discs included

**3****3/4"**

Sphero conical

Direct connection with flexible hoses

**2****DOUBLE**

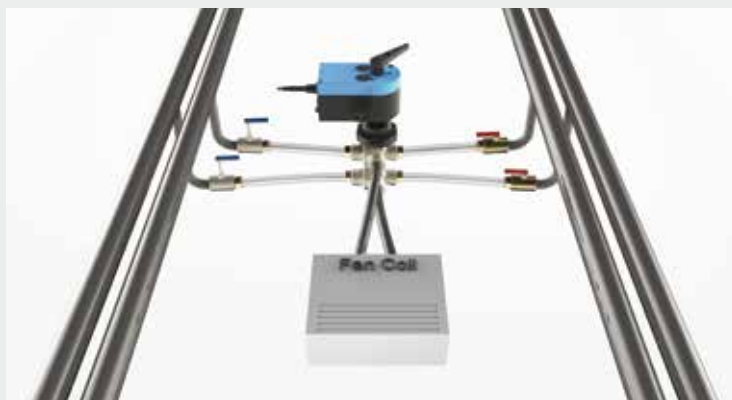
fixing system

Directly on the valve or through 063ZA bracket

**4****QUICK ACTUATOR**

assembly

With M63 bayonet ring

**Application field**

Pettinaroli's six-way valve (series 63) was designed keeping in mind our decade-long experience in big HVAC projects all over Europe. Four-pipe systems are increasingly more common and managing them automatically is technically and practically difficult. This gave our engineers the input to design a compact and functional solution like our Pettinaroli 63/2S six-way ballvalve.

**Kv values selection**

In order to simplify the logistic and the installation on site, the valve is supplied with the maximum Kv, or flow rate, configuration on both sides. Through our experience on the field, we know that heating and cooling flow rates are different because they are related to the project's  $\Delta T$ . Very often, the heating flow rate is smaller than the cooling one whose  $\Delta T$  is lower. Hence the choice to give a standard kit together with the valve: this kit includes 4 couples of interchangeable discs made of PSU. The final user can select the suitable Kv for each side by changing the disc. The kit is in the valve box.

The Kv value is written on the internal side of every disc. The installer, following the designer's guidelines, picks the suitable discs out for both sides. This expedient ensures high flexibility and practicality.

**DN15 Kv 1.25**

Kv 0.25



Kv 0.40



Kv 0.65



Kv 1.00

**DN20 Kv 2.8**

Kv 0.70



Kv 1.00



Kv 1.6



Kv 2.1

**DN20 Kv 4.0**

Kv 2.5

## 63/2S



### 3/4" DN15 - Kv 1.25

Six-way ballvalve for HVAC 4 pipes applications to automatically carry out the winter-summer changeover or, if needed, the control of radiant ceilings, fan coils and chilled beams.

General technical specifications	
Water temperature	-10 °C +120°C
Nominal pressure	16 bar
Kv	1.25 – 1 – 0.65 – 0.4 – 0.25
Connections	G 3/4" M cone 60° BS5200 ( for sphero conical fittings )
Total operation angle	90°
First side operation angle	0 – 32°
"Dead zone" operation angle	32° – 58°
Second side operation angle	58° – 90°
Max differential pressure	2 bar

## 63/2S CR



### 3/4" DN15 - Kv 1.25 3/4" DN20 - Kv 2.8

Six-way ballvalve for HVAC 4 pipes applications to automatically carry out the winter-summer changeover or, if needed, the control of radiant ceilings, fan coils and chilled beams.

CR: Corrosion resistant

General technical specifications	
Water temperature	-10 °C +120°C
Nominal pressure	16 bar
Kv DN15	1.25 – 1 – 0.65 – 0.4 – 0.25
Kv DN20	2.8 – 2.1 – 1.6 – 1 – 0.7
Connections	G 3/4" M cone 60° BS5200 ( for sphero conical fittings )
Total operation angle	90°
First side operation angle	0 – 32°
"Dead zone" operation angle	32° – 58°
Second side operation angle	58° – 90°
Max differential pressure	2 bar

## 63 CR



### 3/4" DN20 - Kv 4.0

Six-way ballvalve for HVAC 4 pipes applications to automatically carry out the winter-summer changeover or, if needed, the control of radiant ceilings, fan coils and chilled beams.

CR: Corrosion resistant

General technical specifications	
Water temperature	-10 °C +120°C
Nominal pressure	16 bar
Kv	4 – 2.5
Connections	3/4" F G
Total operation angle	90°
First side operation angle	0 – 32°
"Dead zone" operation angle	32° – 58°
Second side operation angle	58° – 90°
Max differential pressure	2 bar

## M63



### 24V (0-10) - 2/3 points

Electric actuator 24V with proportional control mode (0-10V) or 2/3 points for six-way ballvalves (item 63/2S). It enables the automatic winter-summer change-over.

General technical specifications	
Supply voltage	24VAC ±20% – 50 – 60Hz 24VCC -10% ÷ +20%
Max power consumption	4.9 W – 8.7 VA
Running time	120 s / 60 s
Angle of rotation	0° – 90°
Torque	8 Nm (120 s e 60 s)



## 063ZA



Fastening angle with two buttonholes on the vertical side. The valve can be fixed on the horizontal part using the specific holes: suitable M4 screws are included in the angle packing.

## 063GI



Insulating case for DN15 or DN20.

## 091SOS



Two-nole wrench for Kv discs' management.

# EVOSIX Fittings

## 1007WFC



Union piece 3/4" F spherico conical x 1/2" F

## 1007



Union piece 3/4" F spherico conical x 1/2" M

## 1007MC



Union piece 3/4" F spherico conical x 3/4" M flat seat

## 1007MS



Weld union 3/4" F spherico conical x 15 mm

## 1007BOA



Union piece 3/4" F spherico conical x 1/2" M

## 1007MSC



Weld union 3/4" F spherico conical x 22

## 1007K



Union piece 3/4" F spherico conical x 1/2" M with O-ring seal.

## 1007M



Union piece 3/4" F spherico conical x 1/2" M L 44 mm - L 52 mm L 58 mm

[www.pettinaroli.com](http://www.pettinaroli.com)

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