



EVOSIX



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

1 ONE PRODUCT
25 different kv configurations
All interchangeable discs included

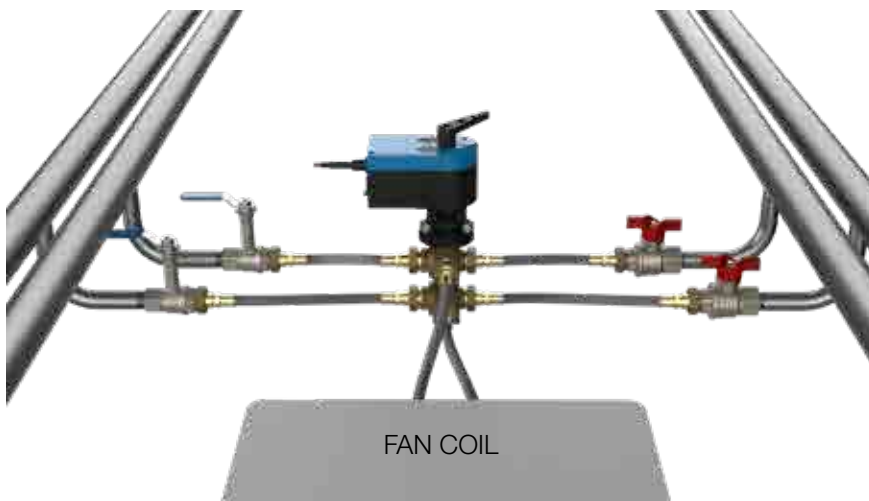
2 DOUBLE
fixing system
Directly on the valve or through 063ZA bracket

3 3/4"
Sphero conical
Direct connection with flexible hoses

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 ΔT . Very often, the heating flow rate is smaller than the cooling one whose ΔT 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 CR

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

CONNECTIONS:
G 3/4" M cone 60° BS5200
(for sphero conical fittings)

63 CR

1/2" DN15 - Kv 1.25
 3/4" DN20 - Kv 2.8
 3/4" DN20 HF - Kv 4.0

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CONNECTIONS:
G 1/2" F - G 3/4" F

63/2F CR

3/4" DN15 - Kv 1.25
 3/4" DN20 - Kv 2.8
 3/4" DN20 HF - Kv 4.0

Six-way ballvalve for HVAC
 4 pipes applications to
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 CR: Corrosion resistant

CONNECTIONS:
G 3/4" M flat end

63/2E CR

3/4" DN15 - Kv 1.25
 3/4" DN20 - Kv 2.8
 3/4" DN20 HF - Kv 4.0

Six-way ballvalve for HVAC
 4 pipes applications to
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CONNECTIONS:
G 3/4" M E - 3/4"x18mm

Available fittings:
 3015 - 3015SCR

GENERAL TECHNICAL SPECIFICATIONS

Water temperature	-10 °C +120°C	Total operation angle	90°
Nominal pressure	16 bar	First side operation angle	0 – 32°
Kv DN15	1.25 – 1 – 0.65 – 0.4 – 0.25	"Dead zone" operation angle	32° – 58°
Kv DN20	2.8 – 2.1 – 1.6 – 1 – 0.7	Second side operation angle	58° – 90°
Kv DN20 HF	4.0 - 2.5	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.

1007WFC



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

1007



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

1007MC



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

1007MS



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

3015



Complete adapting set made with brass alloy for polyethylene pipe

1007BOA



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

1007MSC



Weld union 22 mm x 3/4" F sphero conical

1007K



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

1007M



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

30135SCR



Complete adapting set made of brass for multilayer pipe. Non dezincifiable alloy