

Fan-coil valves

Fan-coil control valves used for controlling the flow of hot or cold water in heating and air conditioning systems. They are operated by electric actuators with max. stroke of 2.5 mm. such as 920066PL thermal actuator series.

As standard, the valves are available in the configuration with male thread in the following versions :

- 2-way series
- 3-way series
- 3-way with 4 ports series with built-in by-pass.

Complete range in the following versions :

- 2-way - DN: 1/2", 3/4", 1"
- 3-way - DN: 1/2", 3/4", 1"
- 3-way with 4 ports - DN: 1/2", 3/4", 1"

Valves technical parameter:

Max pressure, models w. constant Kv: 16 bar

Max pressure, models w. variable Kv: 10 bar

Min. fluid temperature: 4°C

Max. fluid temperature: 110°C

Liquids which can be used: Water (with glycol ≤ 50%)

Plug stroke: 2.5 mm

By-pass leakage: < 0,02 % Kvs

Actuator connection: Threaded ring nut M30 x 1.5

Bom list:

Body: Brass

Stem: Brass with chemical nickel-plating

Spring: Stainless steel

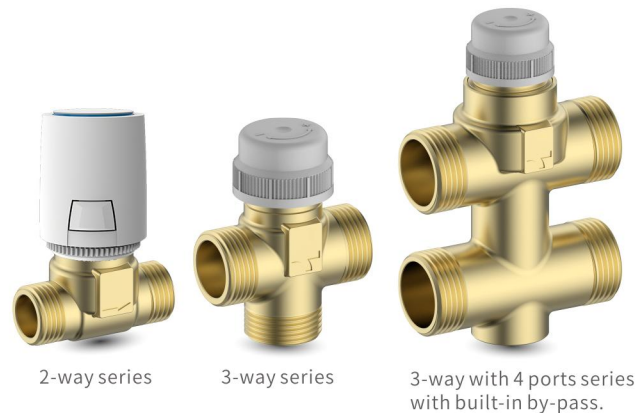
Plug rubber: EPDM

Actuator: 920066PL

Application

The valves are used for shutting off or diverting/mixing (2-way and 3-way with 4 ports size 1/2", 3/4", 1"), the heat transfer fluid to a heating or air conditioning system as required by the room thermostat (or timing thermostat).

The 3-way fan-coil valves or 3-way with 4 ports, thanks to the special configuration of the plug controlling the by-pass flow, can be used equally well as diverting or mixing valves (thus optimizing to the full the various plumbing requirements in assembly).



Thermal actuator technical parameter:

Control direction: Normally closed

Force: 120N ± 10%

Voltage: 12v 24v 230v

Power consumption: 2W

Stroke: ≥ 4mm

Closing and opening time: 3-5mins

Standard: EN 60730

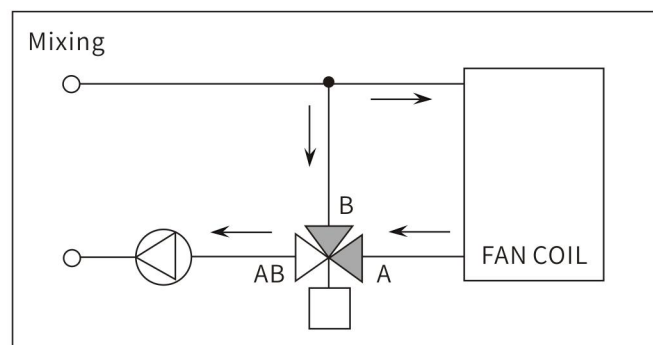
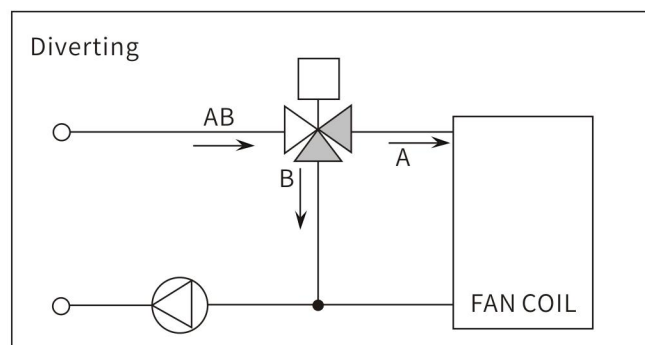
Housing material: PA66+30%GF

Cable length: 800MM

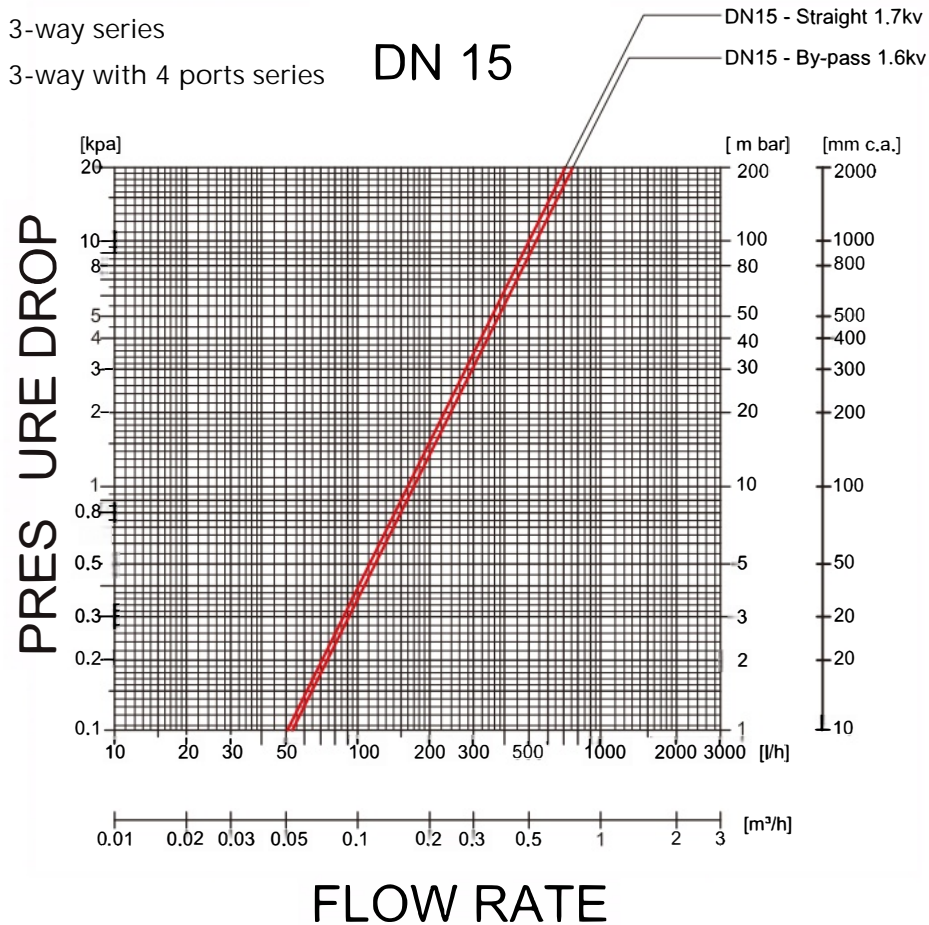
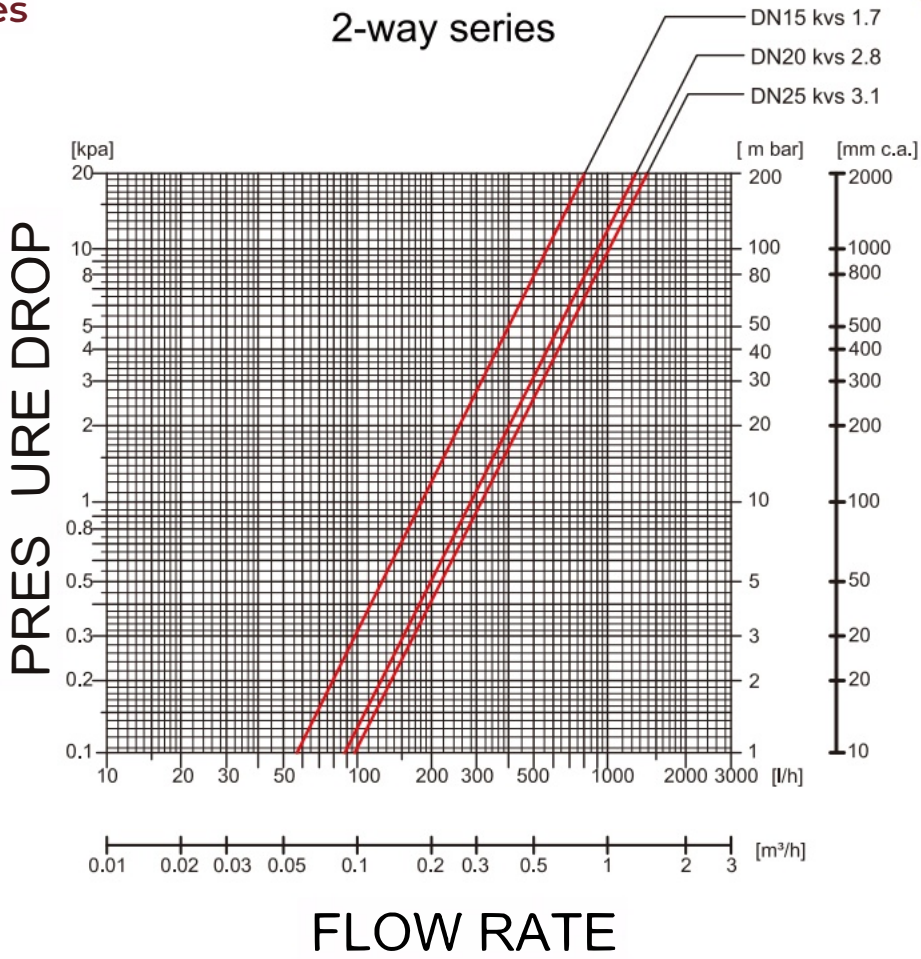
Adapter: M30x1.5mm

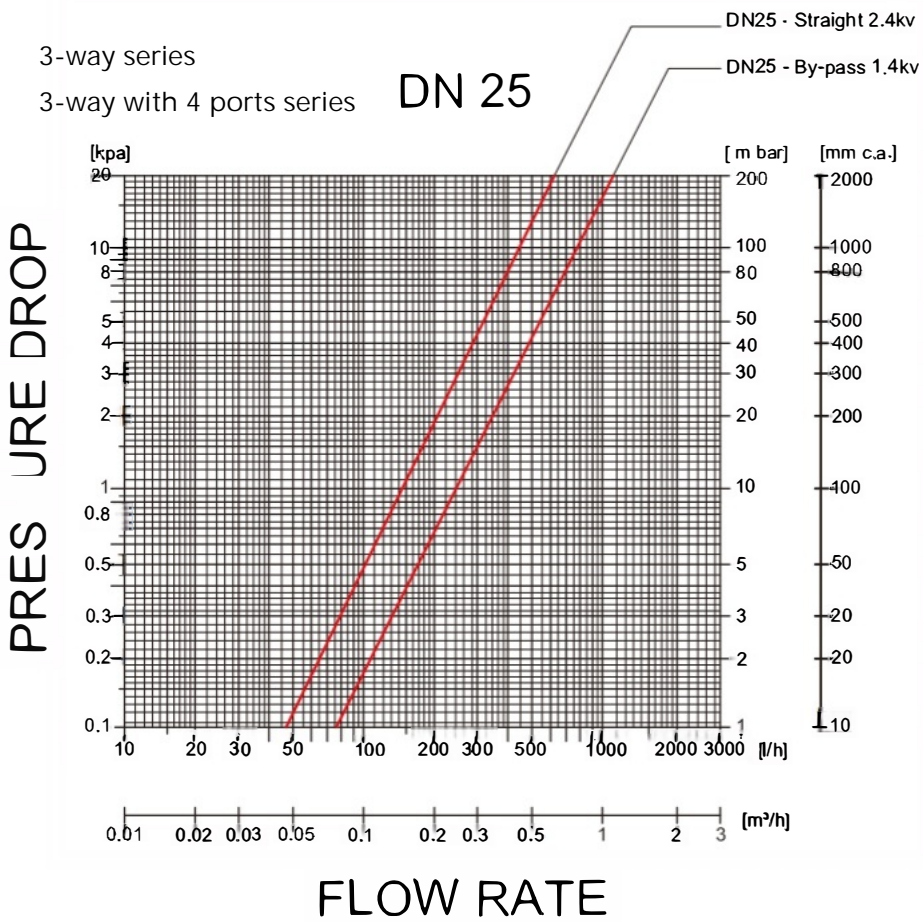
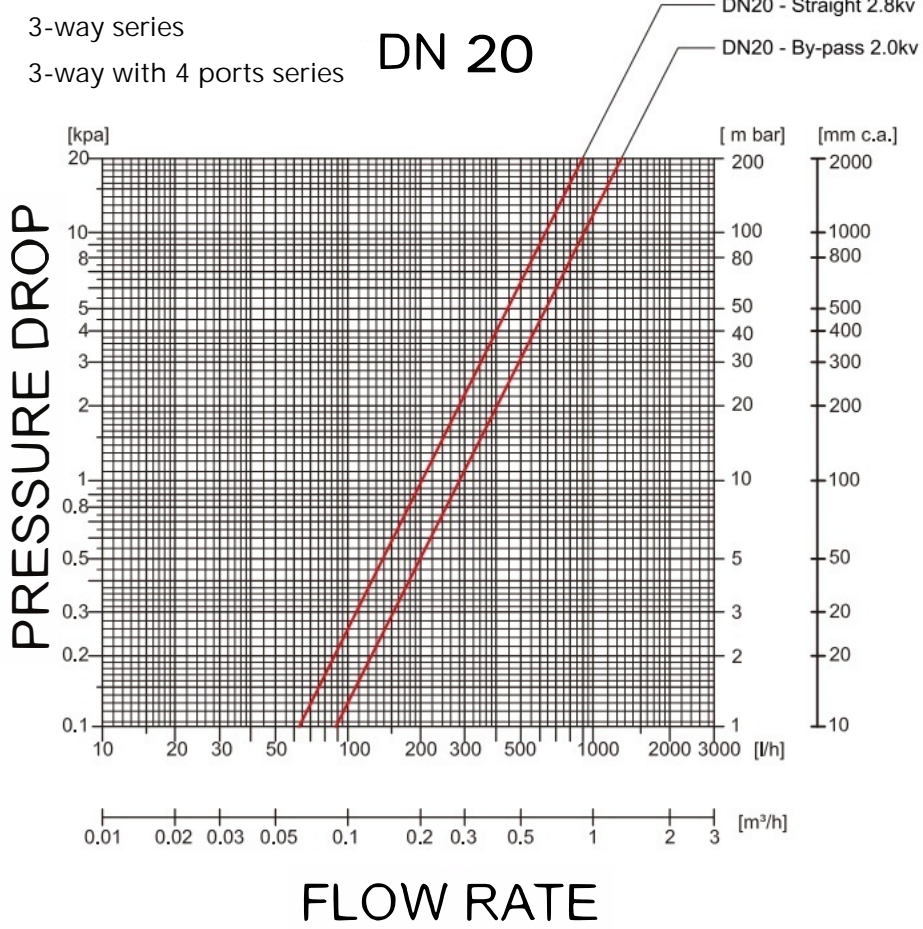
Working temperature: -5°C-60°C

Protection Grade: IP54

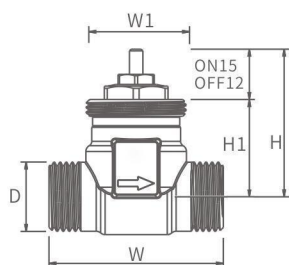


Flow rates

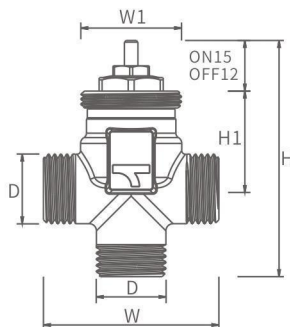




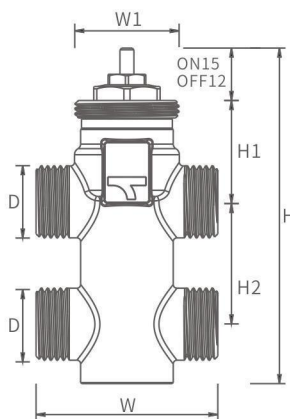
Dimensions



CONNECTION CALIBER	W	W1	H	H1
[D]	[mm]	[mm]	[mm]	[mm]
1/2"	56	M30*1.5	40.5	25.5
3/4"	58	M30*1.5	39.5	24.5
1"	65	M30*1.5	39.5	24.5



CONNECTION CALIBER	W	W1	H	H1
[D]	[mm]	[mm]	[mm]	[mm]
1/2"	65	M30*1.5	72	24.5
3/4"	65	M30*1.5	72	24.5
1"	65	M30*1.5	72	24.5



CONNECTION CALIBER	W	W1	H	H1	H2
[D]	[mm]	[mm]	[mm]	[mm]	[mm]
1/2"	52	M30*1.5	94.7	28.7	35.1
3/4"	56	M30*1.5	102.7	28.7	40
1"	82	M30*1.5	127	37	74

