

Valve linking kit for FCUs

CODE	DESCRIPTION
BP40-15	By-pass with 1/2" threaded connections (strainer included)
BP40-20	By-pass with 3/4" threaded connections (strainer included)
BP80-25	By-pass with 1" threaded connections (strainer included)
Flex15	1/2" stainless-steel flexible hose; 200mm (max. extended length)
Flex20	3/4" stainless-steel flexible hose; 200mm (max. extended length)
Flex25	1" stainless-steel flexible hose; 200mm (max. extended length)
Flex15L	1/2" stainless-steel flexible hose; 400mm (max. extended length)
Flex20L	3/4" stainless-steel flexible hose; 400mm (max. extended length)
Flex25L	1" stainless-steel flexible hose; 400mm (max. extended length)
KITAV2	Labour (assembling and testing, kit with 2-way valve or PICV)
KITAV3	Labour (assembling and testing, kit with 3-way valve or PICV)
COIB	Thermal insulation of the whole kit



APPLICATION AND USE

Controlli valve linking kits are designed to connect a fan coil unit directly into a building's chilled water or hot water network.

Each kit includes an inbuilt factory-assembled set of valves and accessories in order to reduce on site installation and commissioning times and to prevent potential future system leakage from fan coil unit systems. It may also include a balancing valve with pressure tests points, installed on the return line.

All necessary components are installed as a single item which is then 100% pressure-tested in the factory prior to delivery to site.

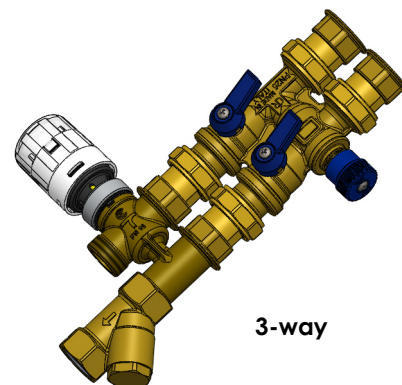
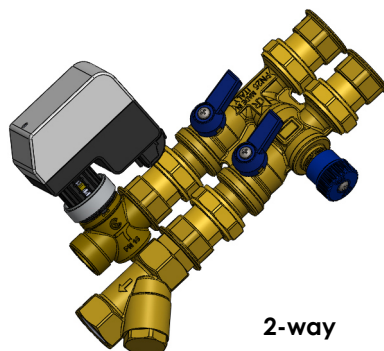
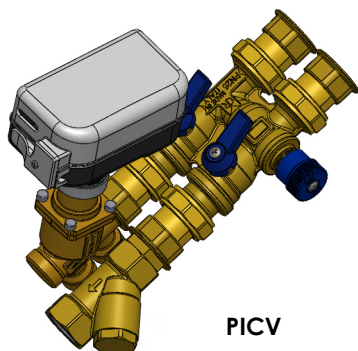
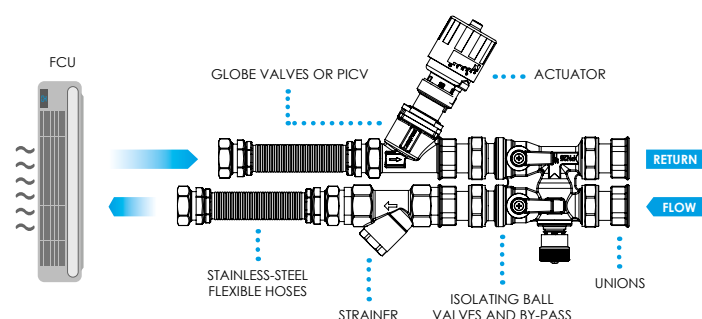
No specific tools are needed for installation. A built-in bypass section includes a full port isolating valve to enable coil and circuit flushing and cleaning to be carried out without the need to switch off the attached fan coil unit.

Thermal insulation can be added too.

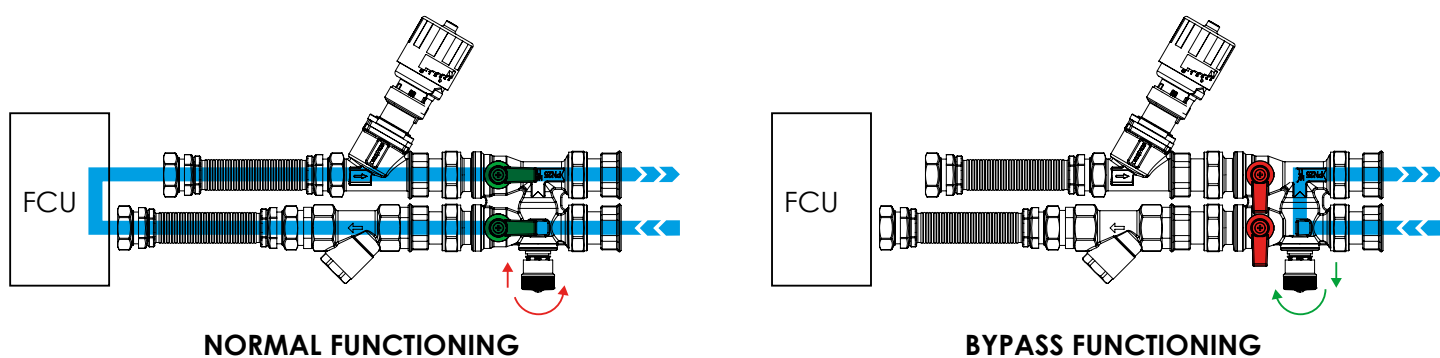
All products are manufactured, assembled and tested in Italy.

TECHNICAL CHARACTERISTICS

Material:	DZR brass
Pressure class:	PN16 (flexible hoses are PN10)
Fluid temperature range:	0°C to 120°C

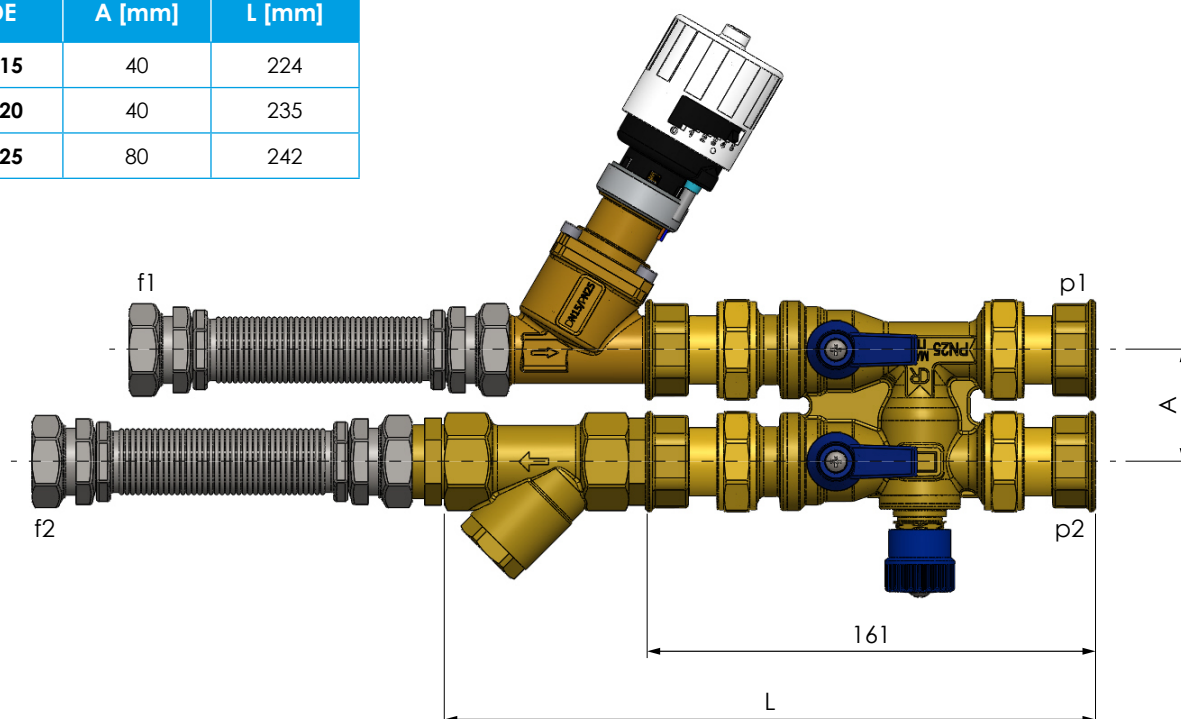


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DIMENSIONS [mm]

CODE	A [mm]	L [mm]
BP40-15	40	224
BP40-20	40	235
BP80-25	80	242



The performances stated in this sheet can be modified without any prior notice

Creating a valve linking kit is as easy as 1 2 3

1 SELECT YOUR BYPASS

To make it easy, we have reduced the range to **three models only**, all including a **flow limitation** and **isolation valves** to allow different directions of the water as needed during the normal operation of the terminal unit as well as flushing, cleaning or isolation for maintenance operations. Compact design suitable also for installations with limited space.



CODE	DIMENSION "A"	THREADED CONNECTIONS f1, f2, p1, p2
BP40-15	40 mm	1/2"
BP40-20	40 mm	3/4"
BP80-25	80 mm	1"

2 SELECT YOUR VALVE AND ACTUATOR

Valve type and size need to be selected according to the circuit specifications and nominal flow rates. You can choose between a variety of types (**2way globe valve, 3way mixing globe valve, PICV with or without P/T plugs, 2way ball valve, 3way mixing or diverting ball valve**) and sizes (1/2", 3/4", 1"). We always recommend selecting a globe valve using the Kvs value (flow rate and pressure drop) and a PICV using the nominal flow rate.



VALVE			ACTUATOR	
TYPE	MODEL	Kvs	SERIES	TYPE
2-way globe valve	VSX09P ÷ VSX13P	0,25 ÷ 1,6 m³/h	MVX	Thermal
	VSXT09P ÷ VSXT13P	0,25 ÷ 1,6 m³/h	MVT	Electro-mechanical
PICV	VSXT03PB	30 ÷ 300 l/h	MCA	Thermal
		65 ÷ 370 l/h	MVT	Electro-mechanical
3-way globe valve	VTX09P ÷ VTX13P	0,25 ÷ 1,6 m³/h	MVX	Thermal
	VTXT09P ÷ VTXT13P	0,25 ÷ 1,6 m³/h	MVT	Electro-mechanical
2-way globe valve	VSX21P or VSX24P	2,5 ÷ 4 m³/h	MVX	Thermal
	VSXT21P or VSXT24P	2,5 ÷ 4 m³/h	MVT	Electro-mechanical
PICV	VSXT05PB	1000 l/h	MCA	Thermal
		1330 l/h	MVT	Electro-mechanical
PICV	VSXT06PB	1350 l/h	MCA	Thermal
		1800 l/h	MVT	Electro-mechanical
3-way globe valve	VTX21P4	2,5 m³/h	MVX	Thermal
	VTXT21P4	2,5 m³/h	MVT	Electro-mechanical
2-way globe valve	VSX26P	6 m³/h	MVX	Thermal
	VSXT26P	6 m³/h	MVT	Electro-mechanical
PICV	VSXT06PB	1350 l/h	MCA	Thermal
		1800 l/h	MVT	Electro-mechanical
	VSXT07PB	2400 l/h	MCA	Thermal
		3600 l/h	MVT	Electro-mechanical
3-way globe valve	VMX24P or VMX26P	4 ÷ 6 m³/h	MVX	Thermal
	VMXT24P or VMXT26P	4 ÷ 6 m³/h	MVT	Electro-mechanical

3 CHOOSE YOUR OPTIONS

We can fit stainless-steel hoses with different length in order to match closely your FCU dimensions. Having all parts already assembled in our factory will **save a lot of installation time** on site. See below what accessories are available. Other options and variants are available on demand.



FLEXIBLE HOSES	ASSEMBLING AND TESTING	THERMAL INSULATION
Flex15 or Flex15L		
Flex20 or Flex20L	KITAV2 (2-way) or KITAV3 (3-way)	COIB
Flex25 or Flex25L		