

V5078A,B

SMALL HIGH-PRESSURE 3-WAY CONTROL VALVES

PRODUCT DATA



FEATURES

- Pressure-balanced;
- Red bronze body;
- Diverting and mixing flow;
- Angle flow;
- Adjustable stroke.

SPECIFICATIONS

V5078A	Externally threaded
V5078B	Internally threaded
Action	Stem retracted = port B-AB open
Nominal pressure rating	PN 16
Stroke	8 mm
Medium temperature range	Min. 2 °C, max. 120 °C
Materials	
Valve body	Red bronze DIN 1705
Valve trim	Regulation cone of temperature-resistant plastic material
Flow characteristics	A-AB equal percentage, B-AB complementary equal percentage
Leakage rate	0.1% of Kvs
All valves	Pressure-balanced

APPLICATION

These small three-way mixing valves provide proportional control of hot and/or cold water in air conditioner, induction unit, and fan coil systems. These valves are actuated by the following actuators:

- M6410C2023*
- M6410C4029*
- M6410L2023*
- M6410L4029*
- M7410C1007*

*) only in combination with Adapter Ring 0903403.

The adjustable stroke allows the flow rate at the A-port to be limited, which may be of benefit in floor heating applications.

DIMENSIONS

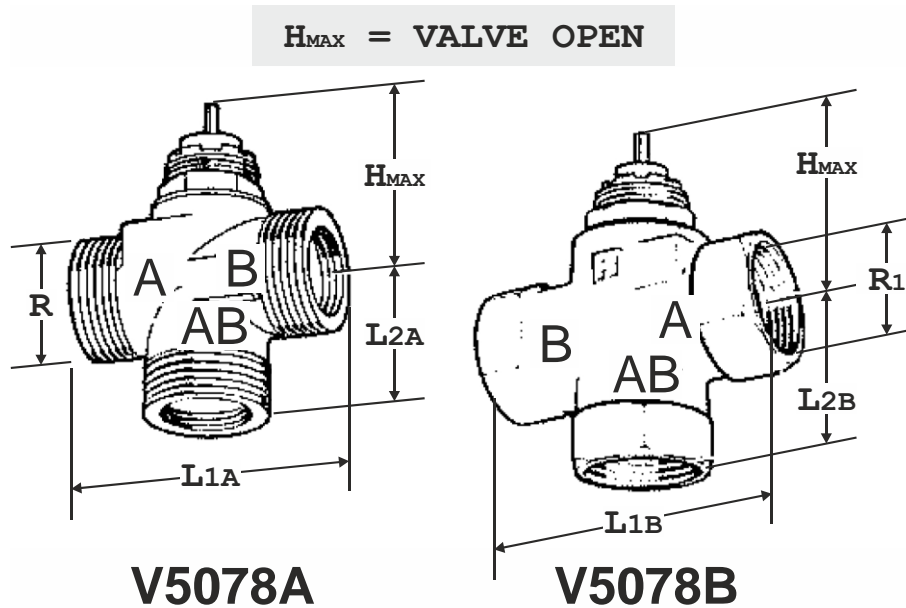


Fig. 1. Dimensions (in mm)

Table 1. Dimensions

Port size		L _{1A}	L _{1B}	L _{2A}	L _{2B}	H _{MAX}	Spare insert
R	R ₁						
¾"	½"	70 mm	80 mm	30 mm	40 mm	66.5 mm	0900656
1"	¾"	72 mm	80 mm	36 mm	40 mm	66.5 mm	0900656
1 ¼"	1"	80 mm	90 mm	40 mm	45 mm	66.5 mm	0900657
1 ½"	1 ¼"	88 mm	100 mm	49 mm	50 mm	66.5 mm	0900657
2"	1 ½"	115 mm	130 mm	58 mm	65 mm	78.5 mm	0900658
	2"	140 mm	150 mm	70 mm	75 mm	78.5 mm	0900658

Table 2. Models

External threading	Internal threading	DN (R ₁)	K _{vs}	Δp (max. diff. pressure with actuator)
V5078A1007	V5078B1005	15 (½")	2.5	10 bar
V5078A1015	V5078B1013	20 (¾")	3.3	10 bar
V5078A1023	V5078B1021	25 (1")	5.0	10 bar
V5078A1031	V5078B1039	32 (1 ¼")	5.0	10 bar
V5078A1049	V5078B1047	40 (1 ½")	11.0	10 bar
	V5078B1054	50 (2")	13.0	10 bar

Honeywell

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