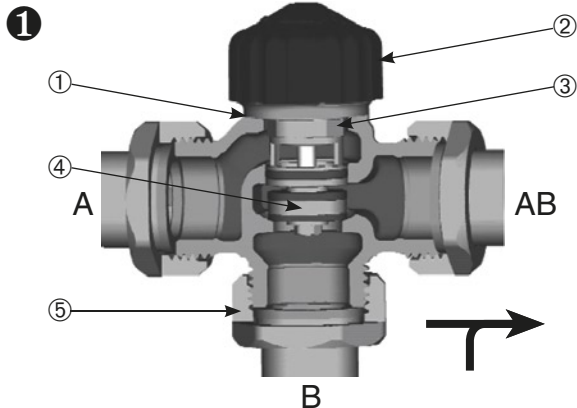


Installation Instructions

Compact 3-way Mixing Valves



Valve closed:	Valve open:
A-AB is open	A-AB is closed
B-AB is closed	B-AB is open

Legend

- ① Body
- ② Protective cap / Manual adjustment
- ③ Base
- ④ Valve insert
- ⑤ Union nut
- ⑥ Primary circuit
- ⑦ Secondary circuit

A = Inlet
B = Inlet
AB = Mixed Outlet

Description

Three-way mixing valve for fluid temperature control in heating and cooling systems. Bronze valve body with brass nipples, protective cap, and stainless spindle with double O-ring seal. Outer O-ring replaceable without draining of system.

Installation

Pay attention to the direction of flow marked on the body (fig. 2). A / B = inlets; AB = outlet.

To prevent damage to the sealing elements while soldering and welding, protect the valve from heat!

Function

For proportional control without power, 57090 series thermostatic heads can be used. (Valve normally closed.)

For proportional control, a 56121 DDC (0-10 Vdc) actuator can be used. (Valve normally closed.)

For on/off control, a 56201 actuator can be used. (Valve normally closed.)

Heating Application

Mixing function (fig. 3)

Load control in heating or refrigeration systems by means of fluid temp. control.

Variable volume flow in the primary circuit ⑥.

Constant volume flow in the secondary circuit ⑦.

Distributor function (fig. 4)

Load control in heating or refrigeration systems by means of rate control. Constant volume flow in the primary circuit ⑥. Variable volume flow in the secondary circuit ⑦.

Technical changes must be taken into account.

For cooling applications, inlets A & B must be exchanged.

