3-way motorized temperature mixing valve

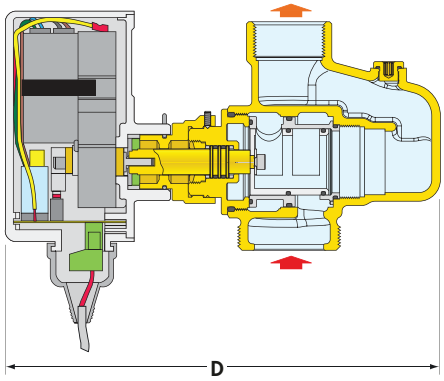
NA16469



Function

The NA16469 motorized three-way temperature mixing valve incorporates a modulating three-point floating actuator to regulate the fluid temperature in hydronic systems or in radiant panel heating systems. It operates on a control signal from an outdoor reset controller. The flow in the valve is regulated by a specially designed shutter, offering a high flow rate in a small package. It features calibrated orifices that open and close the hot and cold water inlet ports to adjust the desired mixed outlet temperature with no swings due to sudden changes in thermal load. The valve is constructed of a single casting containing an internal channel that brings the fluid from the cold inlet to the mixing chamber resulting in a small size for easy installation. The internal components are made of stainless steel to minimize wear and ensure long operating life.

The NA16469 also features installation flexibility with a reversible cold inlet port and straight through flow direction from hot inlet to mixed outlet.



Product range

NA16469 3-way floating point 24V temperature mixing valve, 7.7 Cv ..... 1” union sweat

Technical specifications

Materials

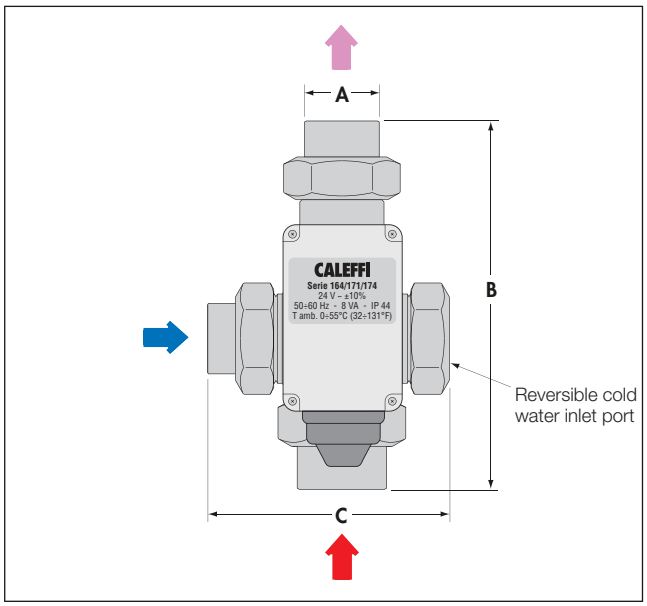
Body:	brass
Bonnet:	brass
Shutter:	stainless steel
Seals:	EPDM

Actuator (three-point floating type with auxiliary switch)

Supply voltage:	24 VAC (50-60 Hz)
Full stroke time:	50 s (rotation 120°)
Power consumption:	8 VA
Current draw:	0.335 A
Auxiliary switch capacity:	0.8 A, 24 V
Protection class:	IP 44
Max. ambient temperature:	130°F (55°C)
Protective cover:	self-extinguishing VO

Performance

Suitable fluids:	water, glycol solutions
Max. percentage of glycol:	30%
Temperature range:	40–210°F (5–100°C)
Max. working pressure:	200 psi (14 bar)
Cv:	7.7
Connections:	1” sweat union



Code	A	B	C	D	Weight (lb)
NA16469	1"	7"	4 1/2"	8"	5.8