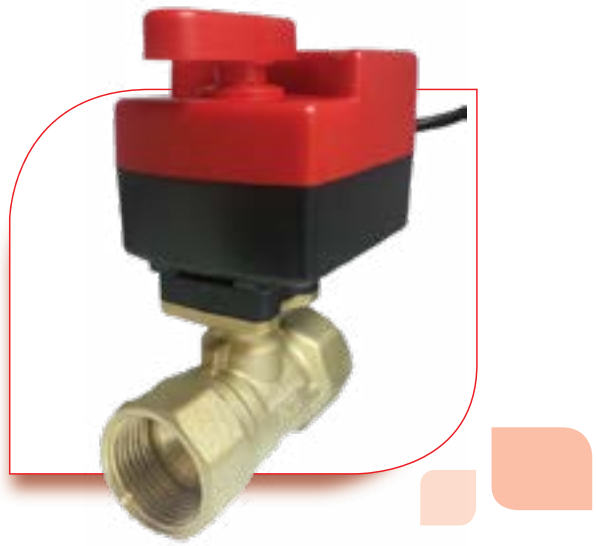
NVMB

2-Way / 3-Way Control Valves (On / Off)



Features

- MAPLE is proud to offer the NVMB motorised fan coil valves. These valves are mainly use in the HVAC system to regulate the flow of water and steam in re-sponse to the demand of a controller.
- Complete range from DN 15 to DN 25
- 2 Way and 3 Way Mixing or Diverting
- Forged brass body
- Bubble-tight shutoff conserves energy and accurately controls zone temperature for increased comfort
- High close-off pressure actuator satisfies demanding requirements of high-rise buildings and high-pressure pumping systems
- Actuator can be factory or field installed

Model Selection

Valve Body Pressure Rating	290 psig (PN20 or 2,000 kPa) Meets Requirements of ANSI B16.15, Class 250		
Fluid / Ambient Temperature Limits	2 to 105 °C water at an Ambient Temperature of 40 °C		
Shipping & Storage Tempera-ture Limits	-40 to 70 °C (-40 to 158 °F)		
Service	Chilled and Hot Water, up to 50% Glycol Solutions		
Power Supply	AC24 or 230 VAC ±10%, 50Hz		
Power Consumption / Torque	2W, 2Nm		
Running Time	40 - 50 sec		
Seat Leakage	0.01% of KVs		
Close off Pressure	6 Bar		
Pipe Connection	BSP		
Body Materials	Brass Trim	Body Stem Seat Seal	Forged Brass Brass PFTE EPDM Double O-Ring
Certification	CE and ISO 9000 (EN...requirements)		

Model Selection

KVs	DN		Selection Type		Weight (kg)
	(mm)	(inch)	2 way	3 way	
1.6	15	½"	NVMB-2015-xB	NVMB-3015-xB	0.76 / 1.0
4.0	20	¾"	NVMB-2020-xB	NVMB-3020-xB	0.80 / 1.1
10	25	1"	NVMB-2025-xB	NVMB-3025-xB	0.95 / 1.3

x = 1 for 24VAC (e.g NVMB-2020-1B)
x = 2 for 230VAC (e.g NVMB-2020-2B)

All stated specifications are correct at the printing date and subject to change without notice or obligation.
Actual products might differ from the pictures shown.

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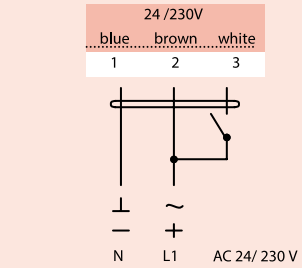
Piping Diagram

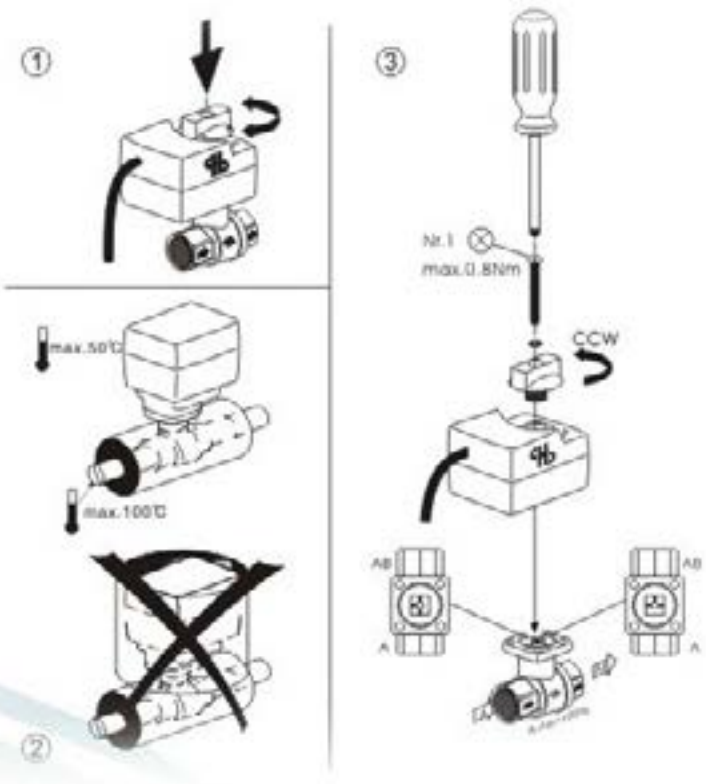
Wiring Diagram NVMB
Power Supply AC 24/230 V ±10%



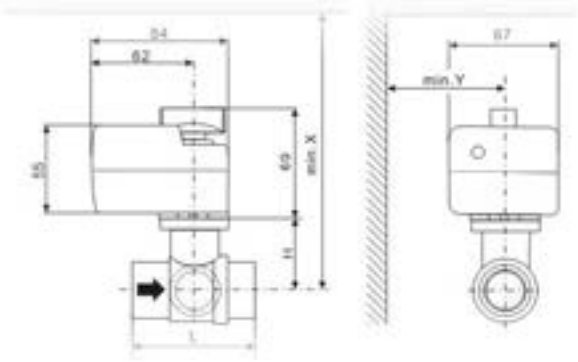
2 Points On / Off Control

⚠ Connect via safety isolating transformer

Installation



Dimension



Manual Operating Lever

All NVMB Series (Motorised Fan Coil Valves) are equipped with a manual operating knob.

- For manual operation, press and turn knob (clockwise / counter-clockwise for open / close control).
- 3-way valves used for mixing or diverting
- For actuator replacement, 230VAC actuator model is MB-2
- For actuator replacement, 24VAC actuator model is MB-1

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