



# Two-Way Valve Brochure

## Product Description

The Wavin two-way valve is used to control the flow of hot water entering the heating circuit in underfloor heating systems. Its basic function is to ensure that the room temperature remains at the desired level by providing flow control.

The use of two-way valves offers the most suitable method for floor-based control, simplifying the system and providing an economical solution. Correct positioning of the valve is important for the hydraulic balancing of your underfloor heating system.

## Application Area

- Manifold inlets in underfloor heating systems (floor-based temperature control)
- Fan coil systems (starting/stopping water flow)
- Building Automation (providing zone control)
- Irrigation systems (distributing water according to areas)

## Working Principles

It can be adjusted or completely closed by manually turning the threaded plastic cap that controls the valve. When used with Wavin On/Off Electrothermal Actuators (NC-Normally Closed), the valve is closed when the actuator is not energized, meaning it does not pass water to the other side.

When there is a heat demand, the room thermostat detects that the temperature is low and sends a signal. 24V or 230V energy goes to the NC actuator. The valve opens and water enters the floor heating pipes.

When the room is heated, the thermostat senses that the desired temperature has been reached and sends a signal to the actuator. The NC actuator closes the valve mechanism and the power is cut off. In this case, the hot water flow to the floor heating pipes is stopped until a new demand.

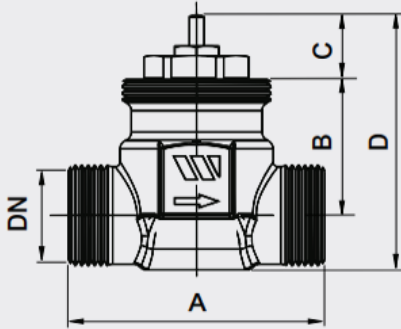
## Advantages

- When the power goes out, the system shuts itself down;
- It saves energy; water flow is provided only when needed.
- It is generally preferred in systems that operate at low temperatures such as underfloor heating.

## Product Features

<b>Product Code</b>	<b>4084883</b>
<b>On/Off operation</b>	with Wavin Electrothermic Actuator
<b>Disc Stroku</b>	2,5 mm
<b>DN</b>	1"M
<b>Kvs</b>	4,5
<b>Weight</b>	500 gr
<b>Maksimum pressure (constant Kv model)</b>	16 bar
<b>Maksimum pressure (variable Kv model)</b>	10 bar
<b>Minimum fluid temperature</b>	4° C
<b>Maksimum operation temperature</b>	110° C
<b>Suitable fluids</b>	Water (max.glycol rate ≤ 50%)
<b>Actuator connection</b>	M30x1,5
<b>Body material</b>	Brass (CW617N)
<b>Spring</b>	Stainless Steel
<b>Disc Rubber</b>	EPDM

## Dimensions (mm)



DN	A	B	C	D
1"	82	38	13,5	70

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