Plastic valve



Plastic valve

The Bermad 200 Series is a plastic valves series in the sizes ½" to 2", and is made from high-quality fibreglass-reinforced nylon. This makes these valves perfectly resistant to mechanical forces caused by pressure, temperature (expansion coefficient), and vibrations.

The nylon and stainless steel parts are resistant to acids and salts of fertilisers used in various irrigation systems.

The operating and pressure losses of the plastic diaphragm-actuated valves are low, and the flow capacity is high.

Available in both straight and angled versions.

The advanced design guarantees the gradual opening and closing of the valve. This prevents damage caused by water hammer.

Equipped with a self-cleaning filter in the control loop (3W), the valve is not affected by soiled water. This makes the 200 Series a suitable and reliable solution for a large number of applications.





Subject to modifications No liability accepted for errors or misprints



Plastic valve Technical data

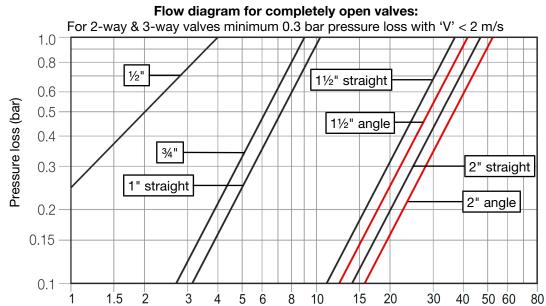
Applications:

- Sprinkler systems
- Eb & flood systems
- Substrate systems
- Irrigation systems
- Industry
- Automation
- Recirculation systems
- Filter flushing valves
- Safeguard
- Pressure control
- Pressure relief valve

Option:

- Flowstem
- Various solenoids
- N.O. version-electrically closing
- Combination of functions
- Pneumatic control





Flow (m³/h)

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Plastic valve Technical data

Specifications:

- Working pressure: 0,7 – 10 bar • 60 °C
- Max. temperature: •
 - **BSP** female Connection:
- Pressure class: ISO PN10 •

Materials:

•

Body and cover: •

fibreglass-reinforced nylon Stainless steel

- Spring: • Diaphragm: •
- NBR (option: EPDM)
- Seals: •
- NBR

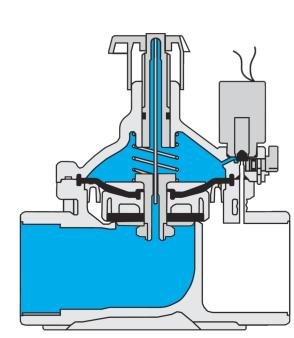
Models:

- 1/2" straight BSP •
- 34" straight BSP •
- 1" straight BSP •
- 11/2" straight BSP •
- 11/2" angled BSP •
- 2" straight BSP •
- 2" angled BSP •

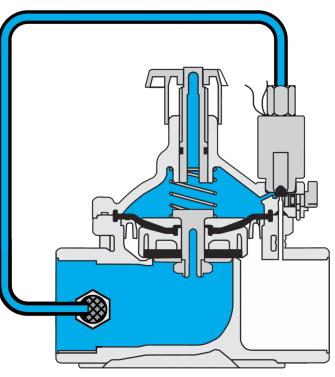
Option:

Electrically closing (NO) •

Connection options:



2-way design for filtered water



3-way design with stagnation filter

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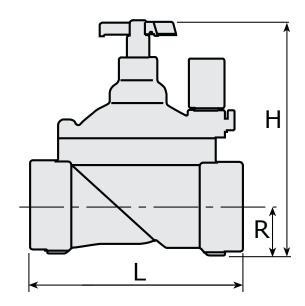
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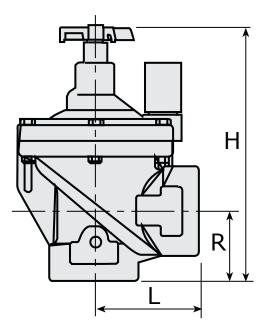


Plastic valve Technical data

Dimensions and weights:

Model		1/2" straight	3/4" straight	1" straight	11/2" straight	11/2" angled	2" straight	2" angled
Туре		2U21X05G	2U21007G	2U21010G	2U21015G	2U21015A	2U21020G	2U21020A
L	mm	67	110	110	160	80	170	85
Н	mm	92	115	115	180	190	190	210
R	mm	16	22	22	35	40	38	60
Width	mm	43	78	78	125	125	125	125
Weight	kg	0,18	0,35	0,33	1	0,95	1,1	0,91
KV		4	9	10,5	37	41	47	52
CCDV	ltr	0,007	0,015	0,015	0,072	0,072	0,072	0,072









Plastic valve Variations



2w 24 VAC, Electrically operated valve ½" This valve is one-off a kind by means of its manual override which can be set to Open/Auto/Close. The Open and Close postions lock the postion of the solenoid.



2-way 24 VAC, Electrically operated valve The electrically operated valve is fitted with a solenoid. The valve is normally closed (NC). An electric control signal is required to open the valve. (Option: normally open valve)



Hydraulically operated valve

The hydraulically operated valve is controlled by external water pressure. When the pressure is equal to or higher than the system pressure, the valve closes.



Plastic valve Variations



Pressure sustaining valve / relief valve

A pressure sustaining valve / relief valve is closed until the pressure reaches the pre-set pressure set on the navaton/pilot.

By this means, overpressure or too-low pressure upstream from the valve is prevented



3-way 24 VDC, Pressure reducing valve

The pressure reducing valve regulates a constant pressure downstream of the valve through the navaton/pilot. The valve modulates close by increasing upstream pressure.