



Plastic Valves

Plastic Valve

The **Bermad** 200 Series is a series of plastic valves in the sizes $\frac{3}{4}$ " to 2", and are made of high-grade glass-fibre-reinforced nylon. This makes these valves highly resistant to mechanical forces due to pressure, temperature (coefficient of expansion) and vibrations as well as resistant to acids and salts of fertilizers used in various irrigation systems. The operating and pressure losses of the plastic diaphragm-actuated valves are low and the flow capacity is high.

The nylon and stainless steel components are resistant to acids and salts of fertilizers which are used in different irrigation systems.

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

Available in both straight and angle pattern.

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

The valves can be provided with various regulating and control functions such as:

- Electrical control
- Automatic pressure control independent of the capacity
- Overflow/Pressure relief
- Level control/float-controlled valves

Equipped with a self-cleaning filter in the control loop (3W), the valve is not affected by soiled water.



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Plastic Valve Technical data

Features:

Low operating and pressure losses. High flow. Flow Control & Manual Override as standard. Prevents water hammer by special design. Constructed in high quality fiberglass reinforced nylon. 3w type is insensitive to operate in dirty water by control loop with self-cleaning filter.

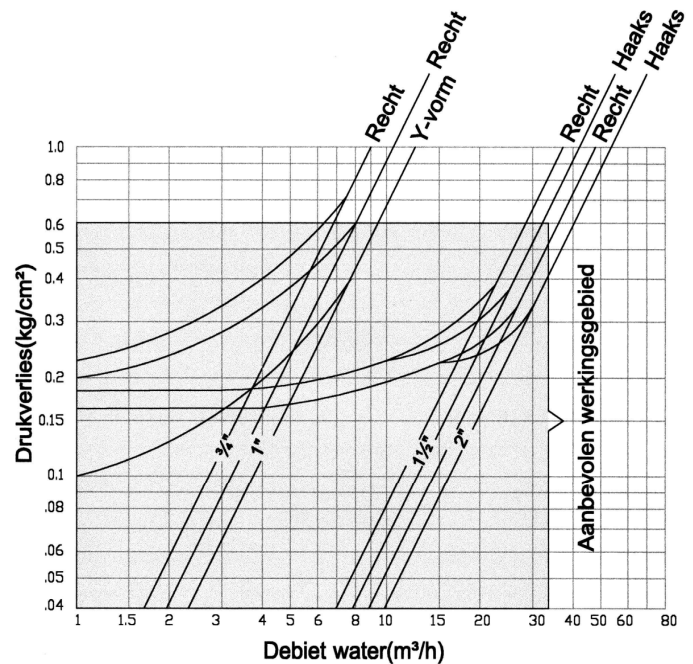
Resistant to mechanical forces due to pressure, expansion coefficients and vibration. Corrosion resistant.

Applications:

- Irrigation systems
- Sprinkler systems
- Flood systems
- Hydroponical systems
- Recirculation systems
- Filter flush valves
- Automation
- Protection: pressure control relief valve

Option:

- Without flow stem
- N.O. version - electrically closing
- Combinations of functions



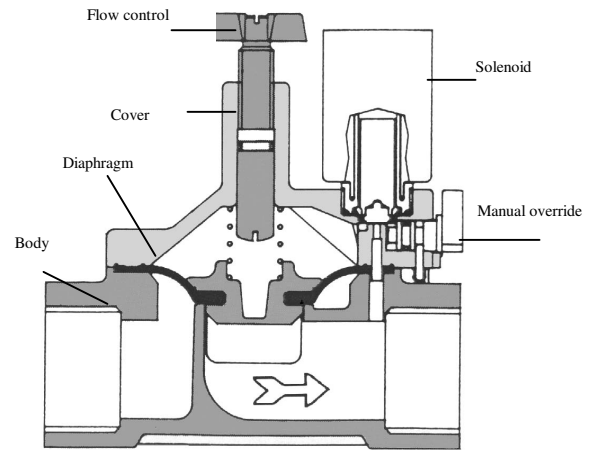
Straight lines – fully opened valve (3-way)
Curved lines – electric valve (2-way)



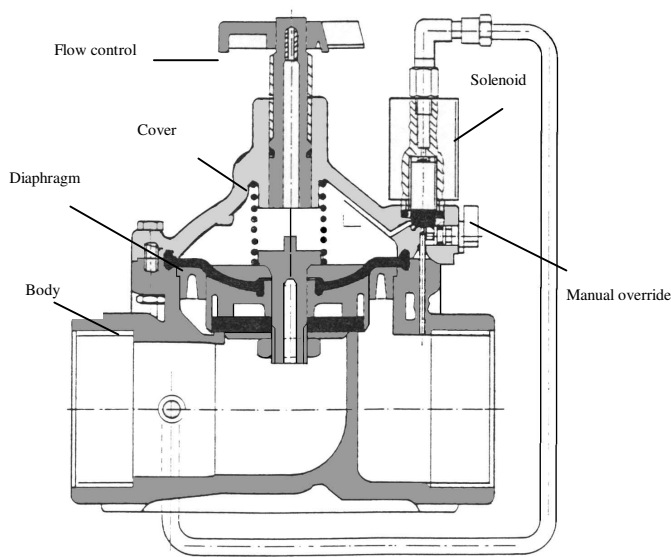
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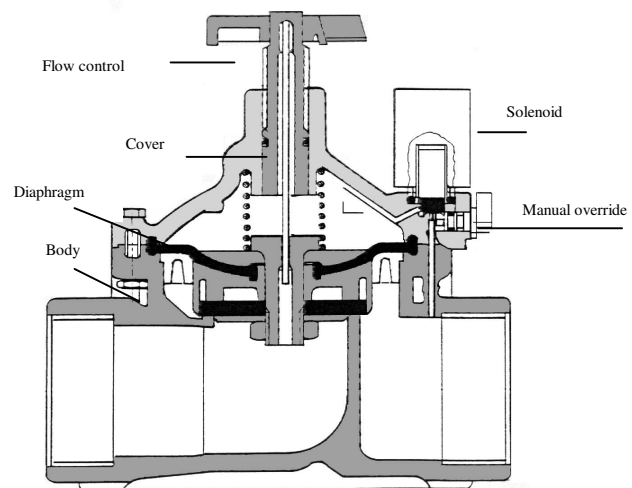
Plastic Valve Technical data



1" valve (2w)



1½" and 2" valve (3w)



1½" and 2" valve (2w)



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Plastic Valve Variations

Hydraulically-operated valve:

The valve is normally open (NO). Pneumatic or hydraulic pressure ensures the operating pressure required to close the valve.



Electrically-operated valve:

The electrically-operated valve is provided with a 2W solenoid. The valve is normally closed (NC). An electric control signal is needed to open the valve. (Option: normally open valve and/or 3W solenoid).



Pressure-reducing valve:

This type is provided with a "navaton pilot". This control valve modulates a varying incoming high pressure to a predetermined low pressure.



Relief/overflow valve:

This valve is provided with a "navaton pilot" and sustains a constant pre-pressure, regardless of system demand.



A combination of functions on the same valve is possible.



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