

Applications

Pressure Reducing Valves

- The downstream valve pressure may be preset 7-175 psi (.05-12 bar).
- Maximum pressure reduction 4:1.
- Metallic pilot valve: Manual or solenoid operated.

Hydroelectric Solenoid Vavles

- Minimum opening pressure: 3-12 psi (0.2-0.8 bar) depending on valve diameter.

Pressure Sustaining Valves

- Max pressure 230 psi (16 bar).
- Minimum pressure 15 psi (1 bar); lower opening upon request.

Features & Benefits

- Strong cast iron body with epoxy resin coating for preventing corrosion.
- Non-toxic nitrile rubber diaphragm suitable for drinking water and for strength.
- Stainless steel spring AISI 304.
- Very low pressure losses due to open flow body design.
- Easy on site maintenance, not requiring to disconnect the body from the line for inside inspection.
- Very simple construction of parts for longer life of the valve and easy maintenance.
- Interchangeable with the standard gate valve; flanges and drilling according to ISO 5752-15 and UNI 7152-27 and 2223/29.
- Slow and gradual opening and closing, avoid water hammer.
- Reduced body turbulence due to the special hydrodynamic design.
- Water tightness is obtained compressing the flexible diaphragm to the valve body; no damage occurs when closing the valve even with solid particles in the fluid.

Materials

Body	Cast Iron
Diaphragm	Natural Rubber
Spring	Stainless Steel
Spring Support	Polypropylene
Coating	Epoxy

Recommended Flow Rates				
Nominal Size	Min	Max	Norm	KV
in. or mm	gpm	gpm	gpm	gpm
1"	2.2	132	88	88
1 1/2"	4.4	176	132	132
2"	13.2	264	220	220
2 1/2"	13.2	330	264	264
3" C	17.6	418	352	352
80 mm	35.2	572	484	484
100 mm /4"	44	924	660	660
125 mm	52.8	1012	748	748
150 mm	110	1760	1540	1540
200 mm	154	1848	1584	1584
250 mm	264	5720	4400	4400
300 mm	308	6160	4840	4840

KV= Flow that causes a loss of 15 psi (1 bar) when the valve is fully open



Cast Iron Valves



IM-NR
Hydraulically operated check
valve with adjustable closing
speed control



IM-CM4V
Hydraulically operated
manual valve



IM-EL
Hydraulically operated
solenoid valve



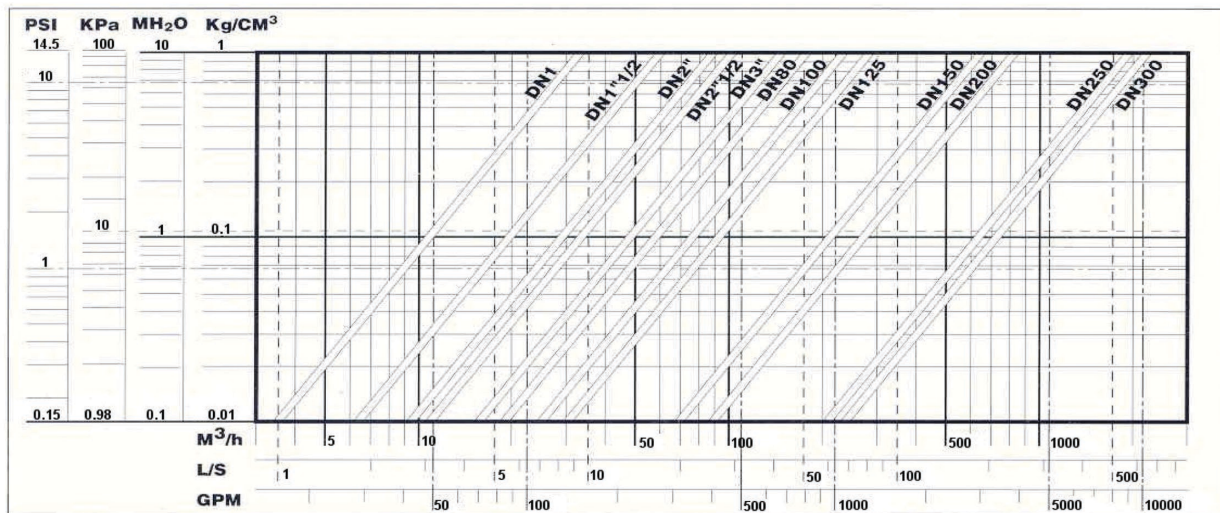
IM-RP2
Pressure reducing control
valve with 2 way pilot



IM-RP3
Pressure reducing control
valve with 3 way pilot



IM-SP3
Pressure sustaining control
valve with 3 way pilot



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