

BERMAD Landscape



BERMAD Plastic Valves ¾", 1", 1½", 2"

200 Series

BERMAD Hydraulic Control Valve with Flow Stem

205-M

Size		Connection	Cat. No.			
Inch	mm			Units per Case	Weight (kg.)	Volume (m³)
¾"	20	Threaded BSP	20507GP0BP000M0	40	10.6	0.0367
1"	25		20501GP0BP000M0	40	10.5	0.0367
1½"	40		20515GP0BP000M0	10	10.7	0.0367
2"	50		20502GP0BP000M0	10	11.0	0.0367



BERMAD Solenoid Controlled Valve with 2-Way Internal Controls & Flow stem

210-2W-NC-M

Solenoid S-390-2W, 24V/AC

Size		Connection	Cat. No.			
Inch	mm			Units per Case	Weight (kg.)	Volume (m³)
¾"	20	Threaded BSP	21007GP2BP000M0	20	7.4	0.0183
1"	25		21001GP2BP000M0	20	7.4	0.0183
1½"	40		21015GP2BP000M0	10	11.2	0.0367
2"	50		21002GP2BP000M0	10	11.7	0.0367



BERMAD Solenoid Controlled Valve with 3-Way Controls & Flow Stem

210-3W-NC-M

Solenoid S-390-3W 24V/AC

Size		Connection	Cat. No.			
Inch	mm			Units per Case	Weight (kg.)	Volume (m³)
1½"	40	Threaded BSP	21015GP3BP000M0-S390	10	11.4	0.0367
2"	50		21002GP3BP000M0-S390	10	11.9	0.0367



BERMAD Pressure Reducing Valve with 2-Way Solenoid Control & Flow Stem

220-55-2W-M

Solenoid S-390-2W 24V/AC

Size		Connection	Cat. No.			
Inch	mm			Units per Case	Weight (kg.)	Volume (m³)
1½"	40	Threaded BSP	22015GP2BP550M0	2	3.8	0.0306
2"	50		22002GP2BP550M0	2	4.1	0.0306

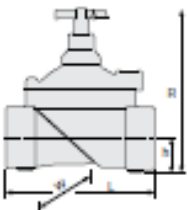


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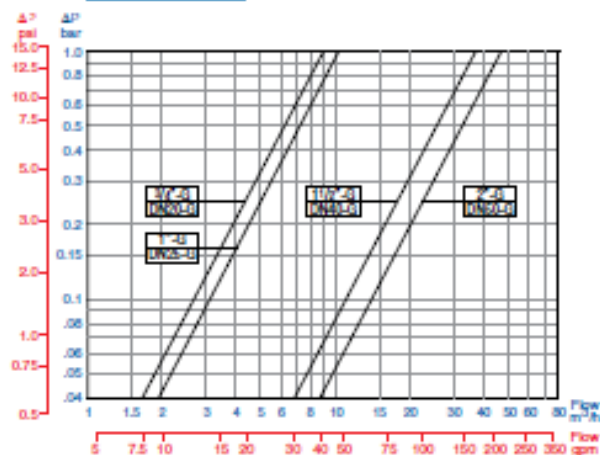
200 Series - Technical Specifications

Dimensions and Weights

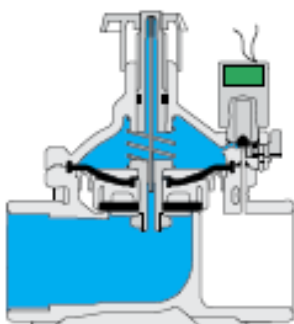
Pattern		Globe			
Size	DN	20	25	40	50
	Inch	¾	1	1½	2
L	mm	110	110	160	170
	Inch	4.3	4.3	6.3	6.7
R	mm	115	115	180	190
	Inch	4.5	4.5	7.1	7.5
h	mm	22	22	35	38
	Inch	0.9	0.9	1.4	1.5
W	mm	78	78	125	125
	Inch	3.1	3.1	4.9	4.9
Weight	Kg.	0.35	0.33	1	1.1
	lb.	0.77	0.73	2.2	2.4



Flow Chart

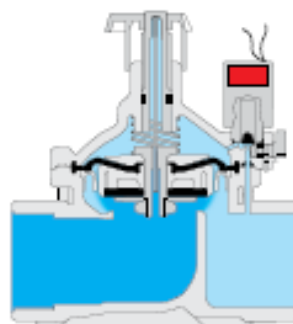


Operation



Closed Position

The internal restriction continuously allows line pressure into the control chamber. The solenoid controls outflow from the control chamber. When the solenoid is closed it causes pressure to accumulate in the control chamber, thereby forcing the valve to close.



Open Position

Opening the Solenoid releases more flow from the control chamber than the restriction can allow in. This causes the accumulated pressure in the control chamber to drop, enabling the line pressure acting on the plug to the valve.

Technical Specifications

Sizes: ¾"-2"; DN20-50

Patterns:

Globe: ¾", 1", 1½" & 2"; DN20, 25, 40 & 50

End Connections: Female Threads BSP or NPT

Pressure Rating: 10 bar; 145 psi

Operating Pressure Range: 0.5-10 bar; 7-145 psi

Materials:

Body, Cover and Plug: Reinforced Nylon

Diaphragm: NR

Seals: NBR [Buna-N] and NR

Spring: Stainless Steel

Cover Bolts: Stainless Steel

