

IRON, NYLON AND PVC VALVES

Durable
High Pressure
Valves

APPLICATIONS

- Residential, institutional, commercial, municipal and golf
- Functions:
 - Electric (Master Valve)
 - Pressure Reducing
 - Pressure Sustaining
 - Quick Relief
 - Pump Control

SPECIFICATIONS

For Electric Valves:

- Volts: 24VAC standard \pm 10% voltage
- Optional: 24VDC, 12VDC, 12VDC-latching and 120VAC

For Iron Valves:

- Diaphragm pressure range: 17 - 230 psi

For Nylon and PVC Valves:

- Diaphragm pressure range: 12 - 125 psi

MATERIALS

- Nuts, Bolts and Washers: stainless steel
- Body: cast iron, nylon or PVC
- Spring: stainless steel
- Diaphragm assembly: natural rubber (EPDM and nitril available on request)

FEATURES & BENEFITS

CAST IRON MODEL

Durable, high pressure valves up to 230 psi.

NYLON AND PVC MODELS

Durable, corrosion resistant materials provide high resistance to corrosive water containing fertilizers and chemicals.

RESISTS CAVITATION

Where extreme flow velocities and high pressure differentials exist.

LOWEST FRICTION LOSS IN THE INDUSTRY

Unique design allows a straight flow pattern. The valve allows free passage in the fully open valve with minimal headloss at very high flows.

CONSTRUCTED OF MINIMAL PARTS

Structural simplicity and low maintenance.

EQUIPPED WITH DIRECT SEALING DIAPHRAGM

There are no shafts, bearings or seals to corrode and there is no wear and tear by dirty abrasive water or chemicals. The diaphragm is the only moving part.

SUPERB PRESSURE REGULATION

Valves can be used for regulating no flow to maximum flow with no need for additional throttling devices or bypass valves.



CAST IRON FLANGED VALVE
(PRESSURE REDUCING ELECTRIC)

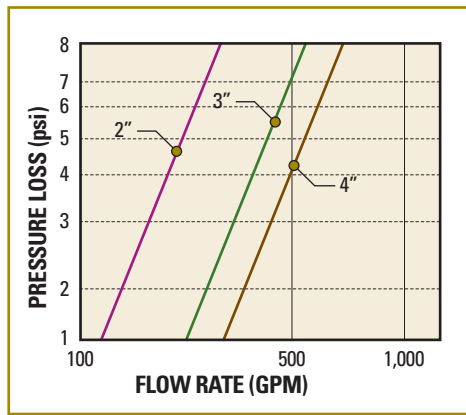


PVC SLIP VALVE
(PRESSURE REDUCING)



NYLON THREADED VALVE
(PRESSURE REDUCING ELECTRIC)

FLOW RATE VS. PRESSURE LOSS



Cv TABLE

SIZES	2"	3"	4"
FLOW FACTOR (Cv) in GPM	110	200	260

AVAILABLE MODELS

CONNECTION		THREADED			FLANGED	SLIP
MATERIAL		IRON	NYLON	PVC	IRON	PVC
AVAILABLE SIZES	2"	✓	✓			
	3"	✓		✓	✓	
	4"				✓	✓

6" - 24" Cast Iron Valves are available in flange configuration.
6" PVC Valves are also available.

HYDRAULIC SPECIFICATIONS

	2"	3"	4"
MAXIMUM RECOMMENDED FLOW RATE CONTINUOUS VALVE (18 FEET PER SECOND - GPM)	180	400	700
NOMINAL RECOMMENDED FLOW RATE CONTINUOUS VALVE (8 FEET PER SECOND - GPM)	80	176	330
MAXIMUM RECOMMENDED FLOW RATE INTERMITTENT VALVE (49 FEET PER SECOND - GPM)	485	1,080	1,915
MINIMUM FLOW (GPM)	<1	<1	<1
FLOW FACTOR (CV)	110	200	260
OPERATING PRESSURE RANGE HIGH PRESSURE DIAPHRAGM (psi)	21-230	21-230	17-230
OPERATING PRESSURE RANGE LOW PRESSURE DIAPHRAGM (psi)	10-145	10-145	6-145

ORDERING INFORMATION

DESCRIPTION	SIZE	MODEL NUMBER
IRON MANUAL ELECTRIC VALVES	2" THREADED N.C.	LV61MELNC2IT-HP
	2" THREADED N.O.	LV61MELNO2IT-HP
	3" THREADED N.C.	LV61MELNC3IT-HP
	3" THREADED N.O.	LV61MELNO3IT-HP
	3" FLANGED N.C.	LV61MELNC3IF-HP
	3" FLANGED N.O.	LV61MELNO3IF-HP
	4" FLANGED N.C.	LV61MELNC4IF-HP
	4" FLANGED N.O.	LV61MELNO4IF-HP
IRON PRESSURE REDUCING MANUAL ELECTRIC VALVES	2" THREADED N.C.	LV61PRMELNC2IT-HP
	2" THREADED N.O.	LV61PRMELNO2IT-HP
	3" THREADED N.C.	LV61PRMELNC3IT-HP
	3" THREADED N.O.	LV61PRMELNO3IT-HP
	3" FLANGED N.C.	LV61PRMELNC3IF-HP
	3" FLANGED N.O.	LV61PRMELNO3IF-HP
	4" FLANGED N.C.	LV61PRMELNC4IF-HP
	4" FLANGED N.O.	LV61PRMELNO4IF-HP
NYLON AND PVC MANUAL ELECTRIC VALVES	2" NYLON THREADED N.C.	LV61MELNC2PL
	2" NYLON THREADED N.O.	LV61MELNO2PL
	3" PVC THREADED N.C.	LV61MELNC3PLT
	3" PVC THREADED N.O.	LV61MELNO3PLT
	4" PVC SLIP N.C.	LV61MELNC4PLS
	4" PVC SLIP N.O.	LV61MELNO4PLS
NYLON AND PVC PRESSURE REDUCING MANUAL ELECTRIC VALVES	2" NYLON THREADED N.C.	LV61PRMELNC2PL
	2" NYLON THREADED N.O.	LV61PRMELNO2PL
	3" PVC THREADED N.C.	LV61PRMELNC3PLT
	3" PVC THREADED N.O.	LV61PRMELNO3PLT
	4" PVC SLIP N.C.	LV61PRMELNC4PLS
	4" PVC SLIP N.O.	LV61PRMELNO4PLS

N.C. = Normally Closed Valve
N.O. = Normally Open Valve



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