LCV

Light Commercial Valve with Forward Flow Design

Features and Benefits

- Molded and reinforced UPVC body available in 1" NPT x NPT and 1" Slip x Slip inlet/outlet configuration
- Slip models available with or without flow control
- Bonnet assembly constructed of heavy-duty glass filled nylon for increased strength and durability
- EPDM diaphragm withstands harsh water conditions
- Hex head style fasteners with standard and flat screwdriver insert slots
- Manual internal bleed switch located under solenoid seat for easy manual activation of valve
- Manual external bleed petcock located on bonnet assembly
- Internal filter protection to prevent debris entering diaphragm chamber
- Standard 24V encapsulated solenoid
- 2-wire system compatibility
- 5 Year Warranty



Operating Ranges

Flow: 0.25 to 50 GPM
Pressure: 15 to 150 PSI
Temperature: up to 150°F

Solenoid Specifications

Standard 24 VAC

In-Rush Current: 0.30 A (7.2 VA)
Holding Current: 0.19 A (4.6 VA)

Model Description

Model No.	Description	Height	Length	Width
LCV100F	1" 24V light commercial valve w/ flow control NPT	5"	4 1/2"	3 1/2"
LCV100FS	1" 24V light commercial valve w/ flow control Slip	5"	4 1/2"	3 1/2"
LCV100S	1" 24V light commercial valve no flow control Slip	5"	4 1/2"	3 1/2"

LCV100F
1" NPT x NPT with Flow Control



LCV100FS
1" Slip x Slip with Flow Control



LCV100S
1" Slip x Slip



Pressure Loss in PSI

GPM	w/ flow control	no flow control
5	0.34	0.19
10	1.03	0.73
15	2.07	1.62
20	3.46	2.86
25	5.20	4.46
30	7.29	6.40
35	9.73	8.69
40	12.5	11.3
45	15.7	14.3
50	19.2	17.7
55	23.0	21.4
60	27.2	25.4
65	31.7	29.8
70	36.6	34.5
75	41.8	39.6
80	47.4	45.1
85	53.4	50.9