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Approvals



UL Listed: File No. MH16727



CSA Certified: 1133914 & 1010989



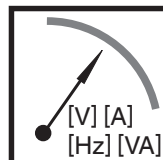
FM Approved:
Report J.1.0V9A8.AF

Commonwealth of Massachusetts Approved Product Approval code G1-1107-35

Attention



The installation and maintenance of this product must be done under the supervision of an experienced and trained specialist. Never perform work if gas pressure or power is applied, or in the presence of an open flame.



Check the ratings in the specifications to verify that they are suitable for your application.



Please read the instruction before installing or operating. Keep the instruction in a safe place. You find the instruction also at www.dungs.com. If these instructions are not heeded, the result may be personal injury or damage to property.



On completion of work on the safety shutoff valve, perform a leakage and function test.



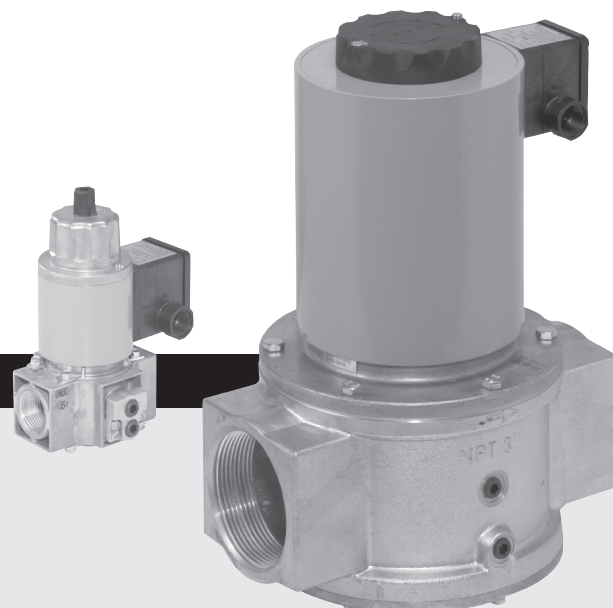
Any adjustment and application-specific adjustment values must be made in accordance with the equipment manufacturers instructions.



This product is intended for installations covered by, but not limited to, the following codes and standards: NFPA 54, IFGC (International Fuel Gas Code), or CSA B149.1 (for Canada) or the following equipment codes and standards: CSD-1, ANSI Z83.18, ANSI Z83.4/CSA 3.7, ANSI Z21.13/CSA 4.9, or CSA B149.3 (for Canada).

Explanation of symbols

- 1, 2, 3 ... = Action
- = Instruction

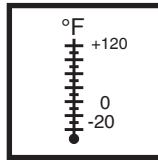


Specification

MV	Normally closed automatic shutoff valve, fast opening, fast closing.
MVD	Normally closed automatic shutoff valve, fast opening, fast closing. Adjustable max. flow.
MVD	Normally closed automatic shutoff valve, slow opening, fast closing. Adjustable initial lift. Adjustable max. flow



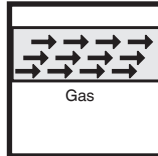
Max. Operating Pressure
MVD 7 PSI (500 mbar) UL, FM;
5 PSI (345 mbar) CSA
MVDLE 3 PSI (200 mbar) UL, FM;
2 PSI (140 mbar) CSA
Max. Closing Pressure
15 PSI (1000 mbar) FM



Ambient / Fluid Temperature
-20 °F to +120 °F
(-30 °C to +50 °C)



Electrical Ratings Available
120 VAC / 60 Hz;
24 VAC / 60 Hz in some models
24 VDC (CSA)
Operating time
100 % duty cycle



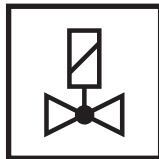
Gases
Dry, natural gas, propane, butane;
other noncorrosive gases. A "dry" gas
has a dew point lower than +15 °F and
its relative humidity is less than 60 %.

Materials in contact with Gas

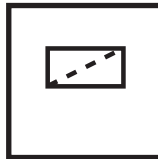
Housing: Aluminium and Steel
Sealings on valve seats: NBR-based
rubber.



Enclosure Ratings Available
NEMA Type 12

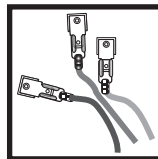


Position Indication (optional)
Visual Indicator
CPI400 SPDT valve switch with visual
indication
Closing Time
< 1 s
Opening Time
MVD series: < 1 s
MVDLE series: 10 to 20 s at 70 °F
Max. Flow Setting
(MVD and MVDLE only)
Adjustable from <10 to 100 % of total
flow; < 10 to 100 % of stroke
Initial Lift Adjustment
(MVDLE series only)
Adjustable from 0 to 70 % of total flow;
0 to 25 % of stroke



Strainer

23 Mesh, installed in the housing
upstream valve seat



Electrical Connection

Screw terminals with 1/2" NPT con-
duit connection

Capacity

Capacity in CFH at pressure drop of 1 inch water column; natural gas, sp.gr. = 0.64

Valve Type	Size	CFH
MVD, MV 505 & MVDLE 205	1/2" NPT	250
MVD, MV 505 & MVDLE 207	3/4" NPT	575
MVD, MV 505 & MVDLE 210	1" NPT	825
MVD, MV 505 & MVDLE 212	1 1/4" NPT	1250
MVD 515 & MVDLE 215	1 1/2" NPT	1700
MVD 520 & MVDLE 220	2" NPT	2700
MVD 525 & MVDLE 225	2 1/2" NPT	3900
MVD 530 & MVDLE 230	3" NPT	5100

Accessories & Replacement

Type	Mag Type #	Coil P/N for 120 VAC	Coil P/N for 24 VAC	PCB for 120 VAC
MVD 505 & MVDLE 205	100 (ID# 216 963 for 120 VAC and 217 390 for 24 VAC)	230-983	240-310	252-332A
MVD 507, MVD 510 & MVDLE 207 & MVDLE 210	200 (ID# 216 965 for 120 VAC and 217 391 for 24 VAC)	230-986	240-311	252-333A
MVD 512, MVD 515, MVDLE 212, MVDLE 215 & MVDLE 220	300 (ID# 216 967)	230-989	Not available	252-334A
MVD 520 & MVDLE 225	400 (ID# 216 968)	230-991	Not available	252-335A
MVD 525 & MVDLE 230	500 (ID# 216 969)	230-992	Not available	252-335A
MVD 530	550 (ID# 216 970)	230-993	Not available	252-335A

Valve Designation	P/N for Hydraulic Brake	P/N for replacement side tap
MVDLE 205/602	223-159	225 132
MVDLE 207/602	223-158	225 132
MVDLE 210/602	223-158	225 132
MVDLE 212/602	223-158	225 132
MVDLE 215/602	223-158	225 132
MVDLE 220/602	223-158	225 132
MVDLE 225/602	223-157	Not available
MVDLE 230/602	223-157	Not available

Valve Designation	P/N for Adjustment Knob	P/N for replacement side tap
MVD, MV 505/602	231-789	225 132
MVD, MV 507/602	231-790	225 132
MVD, MV 510/602	231-790	225 132
MVD, MV 512/602	231-790	225 132
MVD, MV 515/602	231-790	225 132
MVD, MV 520/602	231-790	225 132
MVD, MV 525/602	231-791	Not available
MVD, MV 530/602	231-791	Not available

Valve Designation	P/N for Cover Junction Box
All MVD valves	252-336

Valve Accessories

Description	P/N
CPI 400 Valve Switch	224-253A
Visual Indicator	217-665



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