### ML Series 14" - 24"

**Iron Butterfly Valve**

**Lug Style**

150 psi Non-Shock WOG

Dead End Service to 150 psi Max*

Specifications: MSS SP-67 Type 1

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**Materials**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART</th>
<th>MATERIALS</th>
</tr>
</thead>
</table>
| 1    | BODY | CAST IRON ASTM A126 CL. B  
Ductile Iron ASTM A536  
Ductile Iron-Epoxy Coated |
| 2    | DISC | NP Ductile Iron ASTM A536  
Aluminum Bronze ASTM B148  
Stainless Steel Type 316 |
| 3    | STEM | Stainless Steel Type 416  
Stainless Steel Type 316 (3) |
| 4    | TOP BEARING | Reinforced Nylon |
| 5    | STEM O-RING | EPDM, BUNA, VITON (1) |
| 6    | LINER | Buna  
EPDM  
Viton  
Hypalon |
| 7    | STEM PIN | ANSI 4140 OR AISI 6150 |
| 8    | LINER O-RING | EPDM, BUNA, VITON (1) |
| 9    | LOWER BEARING | Reinforced Nylon |
| 10   | OPERATOR | Gear Operator  
Gear Operator with Memory Stop  
Gear Operator with Lock  
Actuator-Air/Air (2)  
Actuator-Air/Spring (2)  
Actuator-Electric (2) |
| 11   | GROUNDING SPRING | Stainless Steel Type 302 |
| 12   | GROUNDING BALL | AISI-1022 |
| 13   | TENSION SCREW | AISI-1020 |

(1) - Viton O-rings are used with Hypalon liner
(2) - Consult Automation Department
(3) - 316 Stem used with CF8M disc

* Uni-directional

**Note:** The wetted surface of this product (in any material combination) contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight.

The information presented on this sheet is correct at time of publication. Milwaukee Valve reserves the right to change design and/or materials without notice. For our Installation, Operation and Maintenance Manual and the most current product information go to www.milwaukeevalve.com.

⚠️ State of California Prop 65 WARNING: Cancer and Reproductive Harm. For more information visit www.p65warnings.ca.gov.

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**Dimensions**

<table>
<thead>
<tr>
<th>VALVE SIZE</th>
<th>INCHES</th>
<th>DIA</th>
<th>D'</th>
<th>D INCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>472</td>
<td>19</td>
<td>15.5</td>
<td>150.0</td>
</tr>
<tr>
<td>16</td>
<td>508</td>
<td>20</td>
<td>15.5</td>
<td>381.0</td>
</tr>
<tr>
<td>18</td>
<td>549</td>
<td>22</td>
<td>15.5</td>
<td>508.0</td>
</tr>
<tr>
<td>20</td>
<td>584</td>
<td>25</td>
<td>15.5</td>
<td>635.0</td>
</tr>
<tr>
<td>24</td>
<td>687</td>
<td>30</td>
<td>15.5</td>
<td>980.0</td>
</tr>
</tbody>
</table>

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**ACTUATORS**

Air / Air  
Air / Spring  
Electric

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**Features**

- Vacuum Ratings to 29”Hg
- Non-Shock Water, Oil, Gas
- Blowout Proof Stem
- Low Profile Disc
- Extended Neck Body
- Heavy Duty Design
- Bi-directional Shut off
- Field Repairable
- Memory Stop - Optional
- Weather Proof Gear Operator - Std.
- IS0 Stainless Steel Type 316
- Aluminum Bronze ASTM B148
- Stainless Steel Type 416
- Stainless Steel Type 302
<table>
<thead>
<tr>
<th>VALVE SERIES</th>
<th>BODY STYLE</th>
<th>OPERATOR</th>
<th>BODY MATERIAL</th>
<th>DISC MATERIAL</th>
<th>LINER MATERIAL</th>
<th>SPECIAL OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>H - H SERIES (250 PSI)</td>
<td>L - LUG BODY</td>
<td>1 - VALVE ONLY</td>
<td>2 - CAST IRON*</td>
<td>2 - NICKEL PLATED DUCTILE IRON</td>
<td>B - BUNA-N</td>
<td>S - 316 STEM W/AB OR NP DISC</td>
</tr>
<tr>
<td>M - M SERIES</td>
<td></td>
<td>2 - LEVER HANDLE</td>
<td>3 - DUCTILE IRON</td>
<td>3 - ALUMINUM/BRONZE</td>
<td>E - EPDM</td>
<td>A - EPOXY COATED BODY</td>
</tr>
<tr>
<td>O - O SERIES</td>
<td></td>
<td>3 - GEAR OPERATOR</td>
<td>4 - CF3M(316) STAINLESS STEEL</td>
<td>5 - NYLON COATED DUCTILE IRON</td>
<td>H - HYPALON</td>
<td>AD - ASSEMBLE DRY</td>
</tr>
<tr>
<td>U - U SERIES (50 PSI)</td>
<td>W - WAFER BODY</td>
<td>5 - GEAR W/MEMORY STOP</td>
<td>6 - GEAR WITH MEMORY STOP</td>
<td>7 - NYLON COATED DUCTILE IRON</td>
<td>NB - FDA BLACK NEOPRENE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 - GEAR WITH LOCK</td>
<td>*MILWAUKEE VALVE RESERVES THE RIGHT TO UPGRADE THE BODY WITHOUT NOTICE FOR NO ADDITIONAL COST.</td>
<td>8 - EPOXY COATED DUCTILE IRON</td>
<td>NW - FDA WHITE NEOPRENE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>T - TEFLOL OVER BUNA (AVAILABLE W/SS DISC ONLY)</td>
<td></td>
</tr>
</tbody>
</table>

*PNEUMATIC AND ELECTRIC ACTUATION OPTIONS AVAILABLE

Rev 11/4/2021

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