
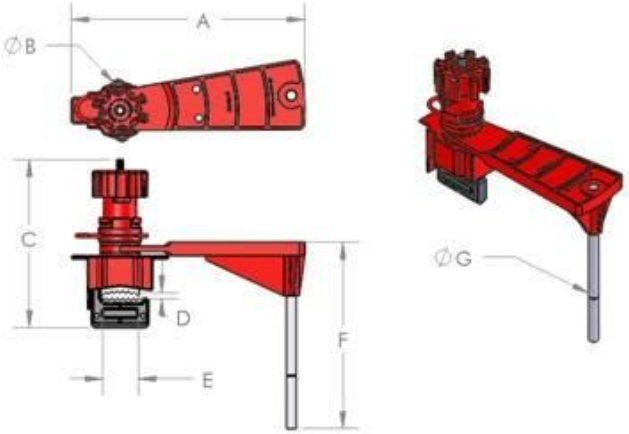


**Universal Valve Lockout**

TDS No. LOTO-24  
Effective Date: 10/09/2017

**Description:**

<p><b>Design</b></p> <ul style="list-style-type: none"> <li>Versatile, lightweight, and rugged device is easy to use and can lock out numerous types of valves!</li> <li>Made of industrial-grade steel and nylon for extra impact and chemical resistance</li> <li>Can be used to lock out large levers, T-handles and other hard to secure mechanical devices with cable and arm attachments</li> <li>Small UVLO: for use on handle widths up to 1" (max handle thickness of 0.6")</li> <li>Large UVLO: for use on handle widths up to 1.6"(max handle thickness of 1.1")</li> </ul>																																				
<p><b>Material</b></p> <ul style="list-style-type: none"> <li>Body, arm: Glass-filled nylon—Red (PMS 1805C)</li> <li>Locking piece: Glass-filled nylon—Black</li> <li>Teeth, screw, pin, spring: Stainless steel</li> <li>Threaded insert: brass</li> </ul>	<p><b>Chemical</b></p>	<p>°C</p>	<p><b>Chemical</b></p>	<p>°C</p>																																
<p><b>Temperature Range</b></p> <p>Glass-filled Nylon: -20° to 120°C (0° to 250°F)</p>	<p>Acetone</p>	<p>25</p>	<p>Petroleum</p>	<p>25</p>																																
<p><b>Chemical Resistance</b></p> <p>All approved chemicals listed are based on the manufactures specified chemical resistance chart for plastic material only.</p>	<p>Acetone</p>	<p>60</p>	<p>Turpentine oil</p>	<p>25</p>																																
<p><b>Dimensions</b></p> <table border="1" data-bbox="151 1434 670 1717"> <thead> <tr> <th></th> <th></th> <th>Large</th> <th>Small</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>-</td> <td>8.82" [224.1mm]</td> <td>6.20" [157.5mm]</td> </tr> <tr> <td>B</td> <td>-</td> <td>0.39" [9.91mm]</td> <td>0.39" [9.91mm]</td> </tr> <tr> <td>C</td> <td>-</td> <td>6.38" [162.0mm]</td> <td>5.6" [142.2mm]</td> </tr> <tr> <td>D</td> <td>-</td> <td>0.200" to 1.0" [5.0mm to 24.5mm]</td> <td>0.125" to 0.500" [3.2mm to 13mm]</td> </tr> <tr> <td>E</td> <td>-</td> <td>1.55" [39.4mm]</td> <td>0.90" [22.9mm]</td> </tr> <tr> <td>F</td> <td>-</td> <td>7.05" [179.1mm]</td> <td>6.05" [153.7mm]</td> </tr> <tr> <td>G</td> <td>-</td> <td>0.37" [9.5mm]</td> <td>0.37" [9.5mm]</td> </tr> </tbody> </table>			Large	Small	A	-	8.82" [224.1mm]	6.20" [157.5mm]	B	-	0.39" [9.91mm]	0.39" [9.91mm]	C	-	6.38" [162.0mm]	5.6" [142.2mm]	D	-	0.200" to 1.0" [5.0mm to 24.5mm]	0.125" to 0.500" [3.2mm to 13mm]	E	-	1.55" [39.4mm]	0.90" [22.9mm]	F	-	7.05" [179.1mm]	6.05" [153.7mm]	G	-	0.37" [9.5mm]	0.37" [9.5mm]	<p>Chlorine, chlorine water</p>	<p>25</p>	<p>Turpentine substitute (white spirit)</p>	<p>25</p>
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<p><b>Dimensions</b></p>	<p>Fuel, engine: Gasoline (normal &amp; premium grade)</p>	<p>85</p>	<p>Trichloroethane 1,1,1</p>	<p>45</p>																																
<p><b>Dimensions</b></p>	<p>Lubrication oil: gear oil</p>	<p>&lt; 120</p>	<p>Lubricating oil: HD engine oils, hydraulic oils, transformer oils</p>	<p>&lt; 120</p>																																
<p><b>Dimensions</b></p>	<p>Fuel, engine: M15 mixture (15% methanol)</p>	<p>70</p>	<p>Water (including seawater)</p>	<p>25</p>																																
<p><b>Dimensions</b></p>	<p>Methanol</p>	<p>25</p>	<p>Water (including seawater), chlorinated (&lt;0,5 mg/l)</p>	<p>80</p>																																
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**Warranty**

**Note:** All values shown are averages and should not be used for specification purposes. Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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**Details:**

**MSDS Information**

**1. HAZARDS IDENTIFICATION**

This product is NOT DANGEROUS and contains no hazardous ingredients

**2. FIRST AID MEASURES/HEALTH INFORMATION PROTECTION**

Eye Contact:	Not applicable, product is inert
Ingestion:	Not applicable, first aid is not normally required.
Inhalation:	Not applicable
Skin Contact:	Not applicable, product is inert, except if product is melted use gloves. For hot melted product, immerse in or flush affected area with water to dissipate heat, then obtain medical attention.
Exposure Limits:	None
Threshold Limits	None
Personal Protection:	None (ambient conditions)
NPCA-HMIS Rating:	Health: 0; Flammability: 1; Reactivity: 0
NFPA-704 Rating:	Health: 0; Flammability: 1; Reactivity: 0

**3. FIRE-FIGHTING MEASURES**

<ul style="list-style-type: none"> <li>Be cautious of hot melted Nylon</li> <li>Isolate product from fire</li> <li>Extinguish fire with water spray</li> </ul>	<ul style="list-style-type: none"> <li>Use water spray to cool fire, exposed surfaces, and to protect personnel</li> <li>Respiratory and eye protection is required for fire fighting personnel</li> <li>Decomposition products under fire conditions: Oxygen-lean conditions may cause monoxide and irritating smoke</li> </ul>
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**4. ACCIDENTAL RELEASE MEASURES**

Land	Recover material and place in suitable container for reuse or for disposal in conformance with local regulations
Water	Recover material and place in suitable container for reuse or for disposal in conformance with local regulations.

**5. HANDLING AND STORAGE**

5.1 Handling	5.2 Storage
No precautions noted-see local regulation if needed	Storage pressure: Atmospheric
	Storage temperature: Ambient, no direct sunlight

**6. EXPOSURE CONTROLS/PERSONAL PROTECTION**

6.1 Exposure limit values	6.2 Exposure Controls
None	6.2.1 Occupational Exposure Controls
	6.2.1.1 Respiratory Protection: Not applicable
	6.2.1.2 Hand Protection: Not applicable
	6.2.1.3 Eye Protection: Not applicable
	6.2.1.4 Skin Protection: Not applicable
	6.2.2 Environmental Exposure Controls: No data available

**7. PHYSICAL AND CHEMICAL PROPERTIES**

General Information	
Other Information	

**8. STABILITY AND REACTIVITY**

8.1 Conditions to Avoid
Higher Temperatures and direct sunlight (chemical resistance is excellent)
Highly stable, but temperatures over 480 F may cause degradation
8.2 Materials to Avoid
No data available
8.3 Hazardous Decomposition Products
Under fire and oxygen-lean conditions may cause monoxide and irritating smoke

**9. ECOLOGICAL INFORMATION**

9.1 Ecotoxicity	No data available
9.2 Mobility	No data available
9.3 Persistence and Degradability	No data available
9.4 Bioaccumulative Potential	No data available
9.5 Other Adverse Effects	No data available

**10. DISPOSAL CONSIDERATIONS**

None of the materials in this product are Recyclable, dispose of all materials in accordance with an applicable federal, state, and local law.

**11. TRANSPORT INFORMATION**

No data available

**12. REGULATORY INFORMATION**

This product has been tested and validated to the Regulatory Requirements listed below.

- |   |                      |
|---|----------------------|
| • OSHA 29 CFR 1910.147 @ (4)(ii)( A)(1)/(c) (5)(ii)(C)(1) | • ANSI standard Z244 |
|---|----------------------|

**13. OTHER INFORMATION**

No data available

**Trademarks:**

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