D1 Series globe-style control valves are suitable for general-purpose use in various process applications in industries such as refining, petrochemical, chemical, and so forth.

- Easy selection from a variety of body materials
- Easy installation with integrated volume tank
- Easy operation with rugged actuator
- Easy maintenance with simple structure
**Features**

- **Easy selection from a variety of body materials**
  Various ASTM (American Society for Testing and Materials) materials have been standardized for convenient selection.
  Super duplex stainless steel materials are also available.

- **Easy installation with integrated volume tank**
  Using an integrated, bolt mounted, volume tank design will ensure an easy installation at the plant site.
  A spring return diaphragm type actuator will be also available.

- **Easy operation with rugged actuator**
  Our largest double-acting actuator will produce over 16 tons of thrust at 6 bar operating air pressure.
  The side mounted handwheel has the mechanical advantage of a worm gear arrangement. This reduces the operating torque, since the valve can be operated through the worm gear box.

- **Easy maintenance with simple structure**
  No special tools are required for implementing stack cage design in cage-guided control valves.

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**Main Specifications**

<table>
<thead>
<tr>
<th>Basic Model</th>
<th>D15</th>
<th>D1V</th>
<th>D1M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structural drawing</td>
<td><img src="image1.png" alt="Diagrams" /></td>
<td><img src="image2.png" alt="Diagrams" /></td>
<td><img src="image3.png" alt="Diagrams" /></td>
</tr>
<tr>
<td>Structure</td>
<td>Top Guided Single Seated</td>
<td>Ported Cage Guided</td>
<td>Multi Hole Cage Guided</td>
</tr>
<tr>
<td>Pressure rating</td>
<td>ANSI Class 150, 300, 600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nominal body size</td>
<td>1 1/2 to 12 inches</td>
<td>1 1/2 to 36 inches</td>
<td></td>
</tr>
<tr>
<td>Body material</td>
<td>Carbon steel: ASTM A216 Gr. WC9, WCC, WC6, WC9, CS, C12, LC8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless steel: ASTM A351 Gr. CF8, CF8M, CF3, CF3M, CF8C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trim material</td>
<td>Alloy steel: Hastelloy C, Alloy 20, Nickel, Titanium, Monel, For other materials, consult your Azbil sales office</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless steel: ASTM A679 Type SS316, SS304, SS316L, SS304L, SS304L</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Alloy steel: Hastelloy C, Alloy 20, Nickel, Titanium, Monel, For other materials, consult your Azbil sales office</td>
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<td></td>
</tr>
</tbody>
</table>

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Manufactured and Sold by: Azbil Saudi Limited

Dammam 2nd Industrial City, Dammam 31537 Kingdom of Saudi Arabia
PO Box 68683

Oct, 2014 (Initial)-AZ
Apr, 2015 (Rev.1)-AZ

Sold by: Azbil Corporation

Advanced Automation Company
1-12-2 Kawana, Fujisawa Kanagawa 251-8522 Japan
URL: http://www.azbil.com

CA2-ASL108F

[Footer]: Teikiakia Corporation changed its name to Azbil Corporation on April 1, 2012.