<table>
<thead>
<tr>
<th>Low Pressure 2-Way Ball Valve</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure 3-Way Ball Valve</td>
<td>3</td>
</tr>
<tr>
<td>Mini Ball Valve</td>
<td>4</td>
</tr>
<tr>
<td>Locking and Twin Handles</td>
<td>5</td>
</tr>
</tbody>
</table>
**LPBV-2W**

2-WAY FULL BORE LOW PRESSURE BALL VALVE

AGA APPROVED

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**Description:**
- Australian Gas Association (AGA) approved ball valve
- Cap sealed with high quality industrial adhesive
- Full port to DIN 3357 for maximum flow
- Handle stops on body to avoid stresses at the stem
- Handle clearly shows ball position
- EN 10226 BSPP female x female threads
- Dual sealing system allows valve to be operated in either direction making installation easier

---

**Materials and Specifications:**
- Nickel plated and hot forged / sand blasted brass body
- Brass according to EN 12165 and EN 12164 (formerly DIN 17660 and UNI 5705-65) specifications
- Pure PTFE self-lubricating seats
- Geomet® carbon steel handle with thick PVC dip coating
- Blowout-proof nickel plated brass stem
- FPM O-rings at the stem for maximum safety
- Silicone-free lubricant on all seals

---

**Features & Limitations:**
- 40 bar (Kg/cm²) up to 2" non-shock cold working pressure
- Warning: freezing of the fluid in the installation may severely damage the valve
- Temp. Range -40°C to +170°C with standard seals (Refer pressure-temp graph)
- For use with dangerous fluids temperature rating is –20°C to +60°C and pressure rating is 5 bar

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**Common Uses:**
- Water, oil, gas

---

**Valves**

2-WAY VALVES

Positive stop positions for handle

Sand blasted nickel plated brass body

Steel handle with yellow PVC coating and AGA Approval - lockable handle available (page N5)

Chrome plated ball internally with full flow design

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**Description:**

**Materials and Specifications:**

**Features & Limitations:**

**Common Uses:**

---

**Product Code**

**Nominal Bore**

**W.P.**

**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Nominal Bore D (inch)</th>
<th>W.P. bar</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPBV-2W-006</td>
<td>4 1/4&quot; 8</td>
<td>40</td>
<td>45 22.2 82 38 20</td>
</tr>
<tr>
<td>LPBV-2W-010</td>
<td>6 3/8&quot; 10</td>
<td>40</td>
<td>45 22.5 82 38 20</td>
</tr>
<tr>
<td>LPBV-2W-013</td>
<td>8 1/2&quot; 15</td>
<td>40</td>
<td>59 29.5 100 43 25</td>
</tr>
<tr>
<td>LPBV-2W-020</td>
<td>12 3/4&quot; 20</td>
<td>40</td>
<td>64 32 120 50 31</td>
</tr>
<tr>
<td>LPBV-2W-025</td>
<td>16 1&quot; 25</td>
<td>40</td>
<td>81 40.5 120 54 40</td>
</tr>
<tr>
<td>LPBV-2W-032</td>
<td>20 1 1/2&quot; 32</td>
<td>40</td>
<td>93 46.5 158 73 49</td>
</tr>
<tr>
<td>LPBV-2W-038</td>
<td>24 2&quot; 38</td>
<td>40</td>
<td>102 51 158 79 54</td>
</tr>
<tr>
<td>LPBV-2W-051</td>
<td>32 3&quot; 50</td>
<td>40</td>
<td>121 60.5 158 86 68.5</td>
</tr>
</tbody>
</table>

* Working Pressure only 5 bar for dangerous fluids

---

This page is part of a complete catalogue containing technical and safety data. All data must be reviewed when selecting a product. Pirtek reserve the right to change technical specifications without notice.
**LPBV-3W**

**3-WAY FULL BORE LOW PRESSURE BALL VALVE**

**L-PORT**

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**Description:**
- Full port to DIN 3357 for maximum flow
- Handle stops on body to avoid stresses at the stem
- Handle clearly shows ball position
- ISO 228 BSPP female x female threads
- Four seats design limits mixing of the various fluids in the system
- No metal-to-metal moving parts

**Materials and Specifications:**
- Nickel plated and hot forged / sand blasted brass body and caps
- Copper alloy brass according to EN 12165 and EN 12164 specifications
- Chrome plated brass ball for longer life
- Pure PTFE self-lubricating seats
- UNI 8858 cycle and torque tests performed
- Two NBR O-rings at the stem for maximum safety
- Silicone-free lubricant on all seals

**Features & Limitations:**
- See Table for non-shock cold working pressure
- Extra port for lowest pressure drop
- Warning: freezing of the fluid in the installation may severely damage the valve
- Temp. Range: -10°C to +120°C with standard seals (refer Pressure-Temp graph)
- Not to be used with dangerous gases in sizes larger than 25mm
- Not to be used with non-dangerous gases in sizes larger than 40mm.

**Common Uses:**
- Water, oil, gas

---

**Common Uses:**
- Water, oil, gas

---

**Pressure -Temperature Graph**

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**Pressure Drop Graph**

---

**Product Code | Nominal Bore | W.P. | Dimensions (mm)**
<table>
<thead>
<tr>
<th>Dash</th>
<th>D (inch)</th>
<th>DN bar</th>
<th>I</th>
<th>L</th>
<th>G</th>
<th>A</th>
<th>H</th>
<th>CH</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPBV-3W-006-L</td>
<td>04</td>
<td>1/4&quot;</td>
<td>8</td>
<td>19</td>
<td>77</td>
<td>75</td>
<td>125</td>
<td>65</td>
</tr>
<tr>
<td>LPBV-3W-010-L</td>
<td>06</td>
<td>3/8&quot;</td>
<td>10</td>
<td>19</td>
<td>77</td>
<td>75</td>
<td>125</td>
<td>65</td>
</tr>
<tr>
<td>LPBV-3W-013-L</td>
<td>08</td>
<td>1/2&quot;</td>
<td>12</td>
<td>19</td>
<td>77</td>
<td>75</td>
<td>125</td>
<td>65</td>
</tr>
<tr>
<td>LPBV-3W-020-L</td>
<td>12</td>
<td>3/4&quot;</td>
<td>20</td>
<td>23</td>
<td>92</td>
<td>91</td>
<td>145</td>
<td>83</td>
</tr>
<tr>
<td>LPBV-3W-025-L</td>
<td>16</td>
<td>1&quot;</td>
<td>25</td>
<td>25</td>
<td>104</td>
<td>105</td>
<td>170</td>
<td>96</td>
</tr>
<tr>
<td>LPBV-3W-032-L</td>
<td>20</td>
<td>1 1/2&quot;</td>
<td>32</td>
<td>27</td>
<td>118</td>
<td>115</td>
<td>170</td>
<td>102</td>
</tr>
<tr>
<td>LPBV-3W-038-L</td>
<td>24</td>
<td>1 3/4&quot;</td>
<td>38</td>
<td>31</td>
<td>138</td>
<td>128</td>
<td>170</td>
<td>109</td>
</tr>
<tr>
<td>LPBV-3W-051-L</td>
<td>32</td>
<td>2&quot;</td>
<td>50</td>
<td>36</td>
<td>162</td>
<td>165</td>
<td>260</td>
<td>139</td>
</tr>
</tbody>
</table>

* Working Pressure only 5 bar for dangerous fluids

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LPMV
2-WAY MINI BALL VALVE
FEMALE PORTS OR MALE / FEMALE PORTS

**Description:**
- Handle clearly shows ball position
- ISO 228 BSPP threads
- Extremely compact design
- No metal-to-metal moving parts
- Dual sealing system allows valve to be operated in either direction for installation flexibility
- Seal tested for maximum safety
- No maintenance ever required

**Materials and Specifications:**
- Drawn sand blasted brass body
- Finest brass according to EN 12164 specifications
- Chrome plated brass ball for longer life
- Pure PTFE self-lubricating seats with flexible lip design
- Blowout proof brass stem
- FPM O-ring at the stem
- Black reinforced nylon wedge handle
- Silicone free lubricant

**Features & Limitations:**
- 30 bar non-shock cold working pressure
- Warning: freezing of the fluid in the installation may severely damage the valve
- Temp. Range -20°C to +90°C (refer to pressure-temp graph)

**Pressure - Temperature Graph**

**Pressure drop Graph**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Nominal Bore</th>
<th>Nominal Width (inch)</th>
<th>Ports</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dash D</td>
<td>I</td>
<td>L</td>
<td>G</td>
</tr>
<tr>
<td>LPMV-FF-003</td>
<td>02 1/8&quot;</td>
<td>10</td>
<td>41.5</td>
<td>22</td>
</tr>
<tr>
<td>LPMV-FF-006</td>
<td>04 1/4&quot;</td>
<td>11</td>
<td>41.5</td>
<td>22</td>
</tr>
<tr>
<td>LPMV-FF-010</td>
<td>06 3/8&quot;</td>
<td>11</td>
<td>41.5</td>
<td>22</td>
</tr>
<tr>
<td>LPMV-FF-013</td>
<td>08 1/2&quot;</td>
<td>13</td>
<td>49</td>
<td>26</td>
</tr>
<tr>
<td>LPMV-MF-003</td>
<td>02 1/8&quot;</td>
<td>10</td>
<td>41.5</td>
<td>22</td>
</tr>
<tr>
<td>LPMV-MF-006</td>
<td>04 1/4&quot;</td>
<td>11</td>
<td>41.5</td>
<td>22</td>
</tr>
<tr>
<td>LPMV-MF-010</td>
<td>06 3/8&quot;</td>
<td>11</td>
<td>41.5</td>
<td>22</td>
</tr>
<tr>
<td>LPMV-MF-013</td>
<td>08 1/2&quot;</td>
<td>13</td>
<td>49</td>
<td>26</td>
</tr>
</tbody>
</table>
**LPLH**

**LOCKABLE HANDLE FOR LOW PRESSURE BALL VALVE**

![Image of a lockable handle for low pressure ball valve]

**Description:**
- Handle that can be retrofitted to 2 way ball valves
- Suits sizes from 1/4” to 2” diameter
- Allows either locking open or closed

**Materials and Specifications:**
- Dacrotised carbon steel
- Blue PVC coating

**Features & Limitations:**
- Requires a padlock size with 9/32” diameter shackle (7.14 mm)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Suits Valves</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2-Way A H</td>
<td></td>
</tr>
<tr>
<td>LPLH-006-013</td>
<td>LPBV-2W-006</td>
<td>96 8.5</td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-010</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-013</td>
<td></td>
</tr>
<tr>
<td>LPLH-020-025</td>
<td>LPBV-2W-020</td>
<td>117 9.5</td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-025</td>
<td></td>
</tr>
<tr>
<td>LPLH-032-051</td>
<td>LPBV-2W-032</td>
<td>156.5 4</td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-038</td>
<td></td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-051</td>
<td></td>
</tr>
</tbody>
</table>

**LPATH**

**TWIN (BUTTERFLY) HANDLE FOR LOW PRESSURE BALL VALVE**

![Image of a twin butterfly handle for low pressure ball valve]

**Description:**
- Twin handle that can be retrofitted to 2 way ball valves
- Suits sizes from 1/4” to 1” diameter

**Materials and Specifications:**
- Dacrotised carbon steel
- Yellow PVC coating

**Features & Limitations:**
- Requires a padlock size with 9/32” diameter shackle (7.14 mm)

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Suits Valves</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2-Way A H</td>
<td></td>
</tr>
<tr>
<td>LPATH-006-013</td>
<td>LPBV-2W-006</td>
<td>96 8.5</td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-010</td>
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<tr>
<td></td>
<td>LPBV-2W-013</td>
<td></td>
</tr>
<tr>
<td>LPATH-020-025</td>
<td>LPBV-2W-020</td>
<td>117 9.5</td>
</tr>
<tr>
<td></td>
<td>LPBV-2W-025</td>
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</tbody>
</table>