

# B2 Series

**BOLD OPTIONS ARE STANDARD**

Basic Series	Operator/Function	Port Size/Thread Type	Pilot Source/Exhaust	Overrides	Enclosures/Lead Length	Voltage	Options	Engineering Level																																											
<b>B2</b>	<b>E</b>	<b>C</b>	<b>B</b>	<b>B</b>	<b>5</b>	<b>49</b>	<b>—</b>	<b>C</b>																																											
<div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Basic Series</div> <div style="border: 1px solid black; padding: 2px;">B2 Series</div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Operator / Function</b></p> <p style="text-align:center;"><b>3-Way</b></p> <p>J Double Solenoid, 2-Position</p> <p>M Double Remote Pilot, 2-Position</p> <p>S Single Solenoid / Single Remote Pilot, 2-Position</p> <p><b>V Single Solenoid, 2-Position NC - Air Return / Spring Assist</b></p> <p>W Single Solenoid, 2-Position NO - Air Return / Spring Assist</p> <p><b>X Single Remote Pilot, 2-Position NC - Air Return / Spring Assist</b></p> <p>Y Single Remote Pilot, 2-Position NO - Air Return / Spring Assist</p> <hr/> <p style="text-align:center;"><b>4-Way</b></p> <p><b>2 Double Solenoid, 2-Position</b></p> <p><b>4 Double Remote Pilot, 2-Position</b></p> <p><b>5 Double Solenoid, 3-Position - APB</b></p> <p>6 Double Solenoid, 3-Position - CE</p> <p>7 Double Solenoid, 3-Position - PC</p> <p><b>8 Double Remote Pilot, 3-Position - APB</b></p> <p>9 Double Remote Pilot, 3-Position - CE</p> <p>0 Double Remote Pilot, 3-Position - PC</p> <p>A Single Solenoid / Single Remote Pilot, 2-Position</p> <p><b>E Single Solenoid, 2-Position - Air Return / Spring Assist</b></p> <p><b>F Single Remote Pilot, 2-Position - Air Return / Spring Assist</b></p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Pilot Source / Pilot Exhaust</b></p> <p>0 None, Remote Pilot Valve</p> <p>A<sup>†</sup> Internal - Port #1 / Tapped M5</p> <p><b>B<sup>†</sup> Internal - Port #1 / Vented</b></p> <p>K<sup>†</sup> External - Body / Tapped M5</p> <p><b>X<sup>†</sup> External - Manifold / Vented</b></p> <p style="font-size: small; margin-top: 5px;">† Not available for Remote Pilot Valves or Subbase Valves.</p> <p style="font-size: small;">‡ See gray box.</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Overrides §</b></p> <p><b>0 None, Remote Pilot Valve</b></p> <p><b>B Flush - Non-Locking</b></p> <p><b>C Flush - Locking</b></p> <p>D Extended - Non-Locking</p> <p>E Extended - Locking</p> <p>X Valve Less 15mm Solenoid</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Enclosures / Lead Length</b></p> <p>0 None, Remote Pilot Valve</p> <p><b>5 15mm 3-Pin DIN 43650C (Male Only)</b></p> <p>X Valve Less 15mm Solenoid</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Voltage §</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <th rowspan="2"></th> <th colspan="2">AC</th> <th rowspan="2">DC</th> </tr> <tr> <th>60Hz</th> <th>50Hz</th> </tr> <tr> <td>42</td> <td>24</td> <td>22</td> <td>12</td> </tr> <tr> <td>45</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>47*</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>48*</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td><b>49</b></td> <td></td> <td></td> <td><b>24</b></td> </tr> <tr> <td><b>53</b></td> <td><b>120</b></td> <td><b>110</b></td> <td></td> </tr> <tr> <td>57</td> <td>240</td> <td>230</td> <td></td> </tr> </table> <p style="font-size: x-small; margin-top: 5px;">* Mobile voltage. Only available with Overrides “D” &amp; “E”.</p> <p style="font-size: x-small;">† Not available with Port Size ‘V’ or with IEM Bar Manifolds.</p> </div>		AC		DC	60Hz	50Hz	42	24	22	12	45			12	47*			24	48*			24	<b>49</b>			<b>24</b>	<b>53</b>	<b>120</b>	<b>110</b>		57	240	230		<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Options</b></p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr> <th>Blank</th> <th>None</th> </tr> <tr> <td>01*</td> <td>Operator on 12 End for Single Solenoid/ Remote Pilot</td> </tr> <tr> <td>02</td> <td>Solenoid Rotated 180° – Pins Down</td> </tr> <tr> <td>03*</td> <td>01 + 02</td> </tr> <tr> <td>M8</td> <td>3-Way with M800 / B2 ‘B’ Mounting - Inline 3-Way Only</td> </tr> </table> <p style="font-size: x-small; margin-top: 5px;">* Not available with 3-Way valves.</p> </div>	Blank	None	01*	Operator on 12 End for Single Solenoid/ Remote Pilot	02	Solenoid Rotated 180° – Pins Down	03*	01 + 02	M8	3-Way with M800 / B2 ‘B’ Mounting - Inline 3-Way Only	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Engineering Level</b></p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">Engineering Level</div> <div style="border: 1px solid black; padding: 2px;">C Current</div> </div>
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		<div style="border: 1px solid black; padding: 5px;"> <p style="text-align:center;"><b>Port Size / Thread Type</b></p> <p style="text-align:center;"><b>3-Way / 4-Way</b></p> <p><b>C M5 Inline</b></p> <p><b>V* Subbase Valve Less Base</b></p> <p style="font-size: x-small; margin-top: 5px;">* Must be used with Pilot Source/Exhaust “X” (Except Operator 4, 8, 9, 0, M uses Pilot/Source/Exhaust “0”).</p> </div>																																																	

**Pilot Source ‘X’ – External-Manifold/Vented**

**INLINE Valves –**  
Only used IF an IEM Aluminum Bar Manifold *requires* a common external pilot signal thru the manifold for low pressure/ vacuum applications.

**SUBBASE Valves –**  
The **ONLY** option for all Solenoid and Single Remote Pilot valves. The 5-Port Subbase Aluminum Bar Manifold always feeds the common external pilot galley connecting to the external pilot hole in the Subbase Valve body.

Voltage Code	Override Code			
	Standard			
	B	C	D	E
42	O	O	–	–
45	O	O	–	–
47	–	–	O	O
48	–	–	O	O
49	S	S	O	O
53	S	S	O	O
57	O	O	–	–

  

	“02” Option			
	B	C	D	E
42	O	O	–	–
45	O	O	–	–
47	–	–	–	–
48	–	–	–	–
49	S	S	O	O
53	S	S	O	O
57	O	O	–	–