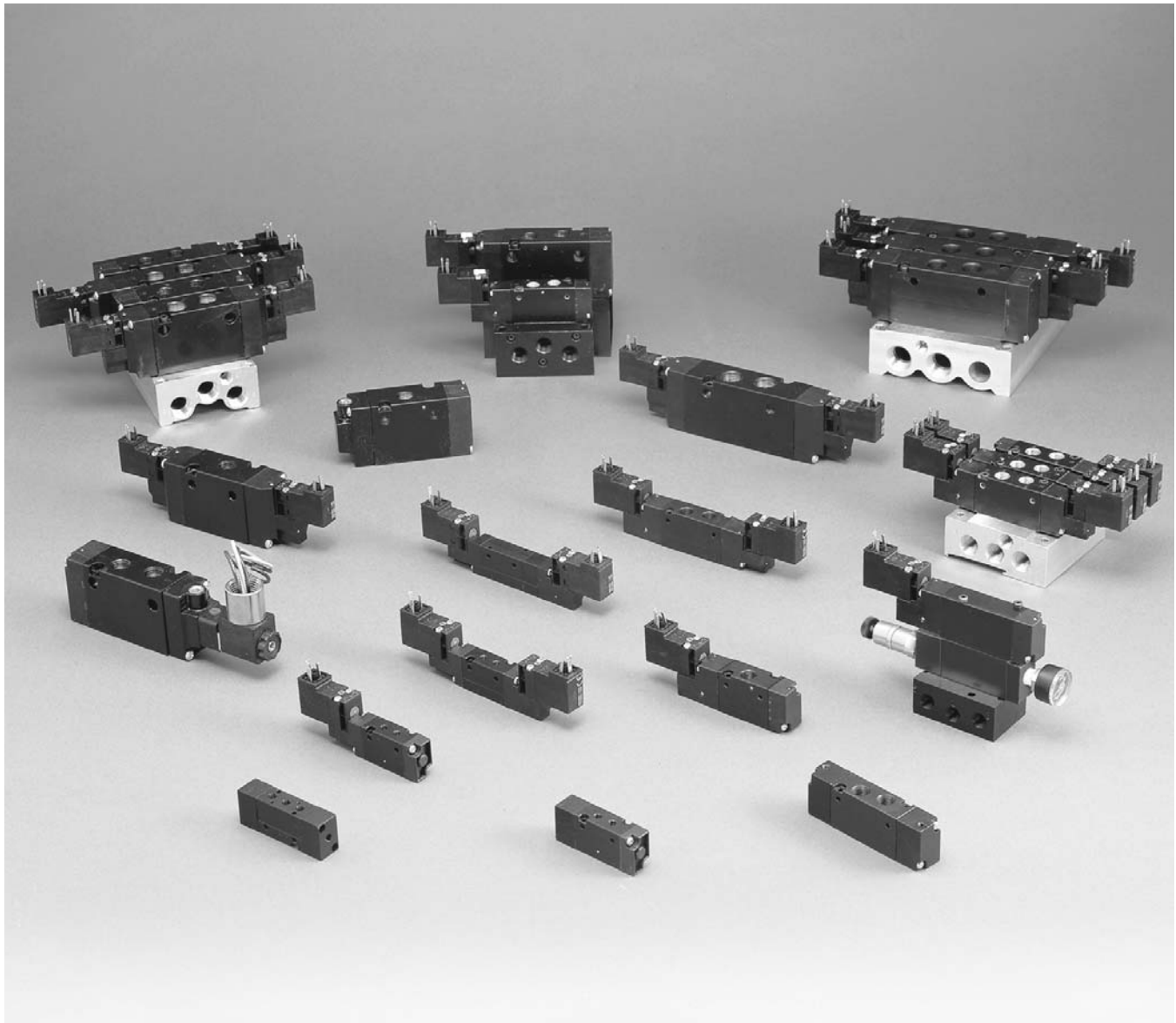


"B" Series-E

Air Control Valves

- **B2 - .16 Cv M5, 1/8" Port**
- **B3 - .75 Cv 1/8", 1/4" Port**
- **B4 - 1.22 Cv 1/4" Port**
- B5 - 1.40 Cv 1/4", 3/8" Port**
- B6 - 2.70 Cv 3/8" Port**
- B7 - 5.90 Cv 1/2" Port**
- B8 - 7.00 Cv 3/4" Port**

Catalog B Series-E/USA
September, 2006



Note: Shaded options have been discontinued.
Refer to back of Catalog for
Cross Reference Information.

 **WARNING**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application including consequences of any failure, and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

Offer of Sale

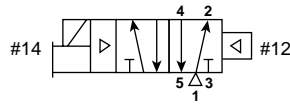
The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated on the separate page of this document entitled "Offer of Sale".

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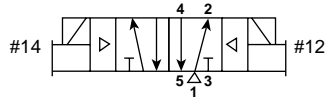
Single Solenoid
4-Way, 2-Position



De-energized position – Solenoid operator #14 de-energized. Pressure at inlet port 1 connected to outlet port 2. Outlet port 4 connected to exhaust port 5.

Energized position – Solenoid operator #14 energized. Pressure at inlet port 1 connected to outlet port 4. Outlet port 2 connected to exhaust port 3.

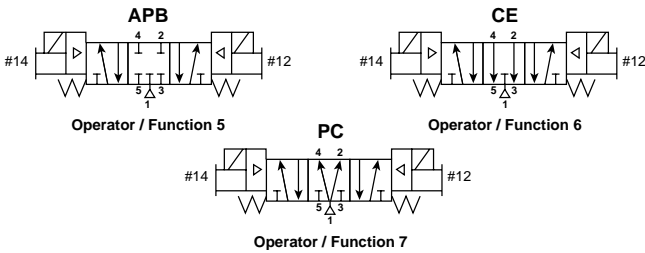
Double Solenoid
4-Way, 2-Position



Solenoid operator #14 energized last. Pressure at inlet port 1 connected to outlet port 4. Outlet port 2 connected to exhaust port 3.

Solenoid operator #12 energized last. Pressure at inlet port 1 connected to outlet port 2. Outlet port 4 connected to exhaust port 5.

Double Solenoid
4-Way, 3-Position



With #12 operator energized – inlet port 1 connected to cylinder port 2, cylinder port 4 connected to exhaust port 5.

With #14 operator energized – inlet port 1 connected to cylinder port 4, cylinder port 2 connected to exhaust port 3.

Function 5: All Ports Blocked
 All ports blocked in the center position.

Function 6: Center Exhaust
 Cylinder ports 2 and 4 connected to exhaust ports 3 and 5 in center position. Port 1 is blocked.

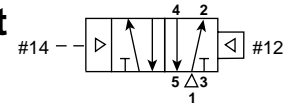
Function 7: Pressure Center
 Pressure port 1 connected to cylinder ports 2 and 4, and exhaust ports 3 and 5 blocked in center position.

Dual Pressure:

May be used for dual pressure service with pressure at ports 3 & 5. (Use either external pilot source option "K", "W" or "X", or dual pressure pilot source option "D" or "E".) If pilot source "D" or "E" is selected, the high pressure must be at port #3. If pilot source "K", "W" or "X" is selected, the external pilot must be plumbed to port #14 or "X" respectively. NOTE: The "B6" valve is also available with dual pressure using Port 5 for high pressure (Option "G" & "H"). This is only to be used if converting from a "42" ("CM") Series traditional valve.

In the 3-Position valve, the effect of dual pressure is extremely important when the valve is in the center position, as the CE and PC functions are reversed. Therefore, care should be used when selecting a 3-Position valve.

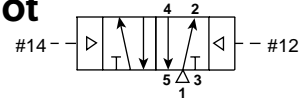
Single Remote Pilot
4-Way, 2-Position



Normal position – Pressure at inlet port 1 connected to outlet port 2. Outlet port 4 connected to exhaust port 5.

Operated position – Maintained air signal at port 14. Pressure at inlet port 1 connected to outlet port 4. Outlet port 2 connected to exhaust port 3.

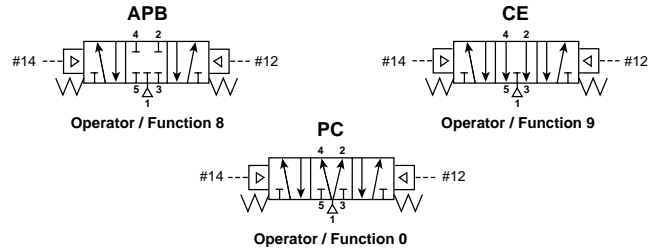
Double Remote Pilot
4-Way, 2-Position



Momentary air signal at port 14 last. Pressure at inlet port 1 connected to outlet port 4. Outlet port 2 connected to exhaust port 3.

Momentary air signal at port 12 last. Pressure at inlet port 1 connected to outlet port 2. Outlet port 4 connected to exhaust port 5.

Double Remote Pilot
4-Way, 3-Position



With #12 operator signaled – inlet port 1 connected to cylinder port 2, cylinder port 4 connected to exhaust port 5.

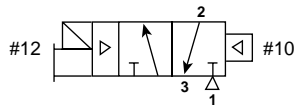
With #14 operator signaled – inlet port 1 connected to cylinder port 4, cylinder port 2 connected to exhaust port 3.

Function 8: All Ports Blocked
 All ports blocked in the center position.

Function 9: Center Exhaust
 Cylinder ports 2 and 4 connected to exhaust ports 3 and 5 in center position. Port 1 is blocked.

Function 0: Pressure Center
 Pressure port 1 connected to cylinder ports 2 and 4, and exhaust ports 3 and 5 blocked in center position.

Single Solenoid
3-Way, 2-Position NC

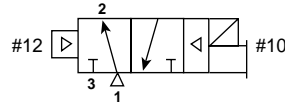


Normally Closed:

De-energized position – Solenoid #12 de-energized. Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

Energized position – Solenoid #12 energized. Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Single Solenoid
3-Way, 2-Position NO

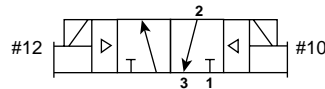


Normally Open:

De-energized position – Solenoid #10 de-energized. Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Energized position – Solenoid #10 energized. Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

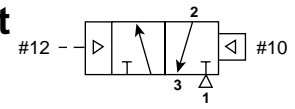
Double Solenoid
3-Way, 2-Position



Solenoid operator #12 energized last. Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Solenoid operator #10 energized last. Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

Single Remote Pilot
3-Way, 2-Position NC

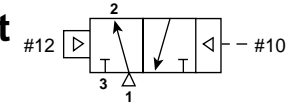


Normally Closed:

Normal position – Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

Operated position – Maintained air signal at port 12. Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Single Remote Pilot
3-Way, 2-Position NO

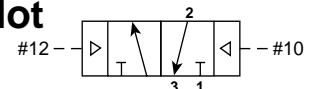


Normally Open:

Normal position – Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Operated position – Maintained air signal at port 10. Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

Double Remote Pilot
3-Way, 2-Position



Momentary air signal at port 12 last. Pressure at inlet port 1 connected to outlet port 2, exhaust port 3 is blocked.

Momentary air signal at port 10 last. Pressure at inlet port 1 blocked, outlet port 2 connected to exhaust port 3.

3-Way Configuration

B2, B6, B7, B8:

Looking at the #1 and #3 ports, the solenoid (or remote operator) is always on the #3 port end. Different spools are used for NO and NC functions.

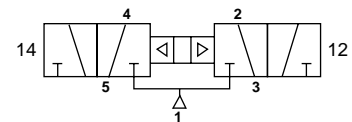
B3, B4, B5:

Looking at the #1 and #3 ports, the solenoid (or remote operator) is on the #3 port end for NC and the #1 port end for NO. The same spool is used for both.

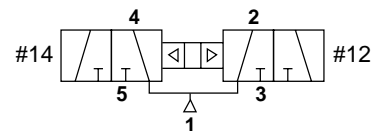
Dual 3-Way

Combines the functions of Two 3-Way valves into **One valve body**. The valve can be configured as

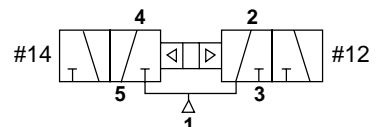
Two Normally Closed
3-Way Functions



Two Normally Open
3-Way Functions



One Normally Closed
AND
One Normally Open
3-Way Functions



WCS

Wear Compensation System

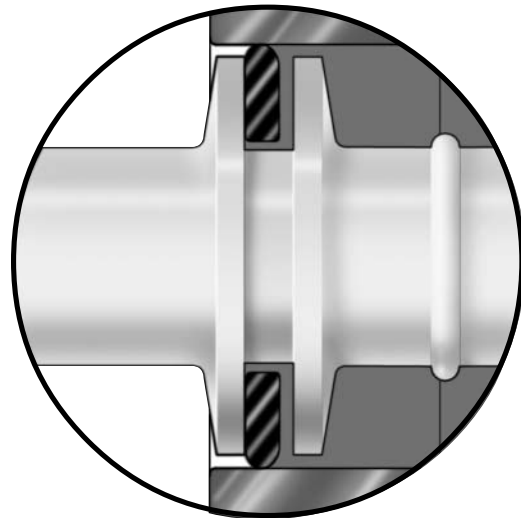
- **Maximum Performance**

- Low Friction
- Lower Operating Pressures
- Fast Response
- Less Wear

- **Long Cycle Life** - Under pressure, radial expansion of the seal occurs to maintain sealing contact with the valve bore..

- **Non-Lube Service** - No lubrication required for continuous valve shifting.

- **Bi-Directional Spool Seals** - Common spool used for any pressure, including vacuum.



"B Series"

Flow Characteristics

- B2: .16 Cv
- B3: .75 Cv
- B4: 1.22 Cv
- B5: 1.40 Cv
- B6: 2.70 Cv
- B7: 5.90 Cv
- B8: 7.00 Cv

Operating Pressure

- Vacuum to 145 PSIG

Ports

- B2: M5, 1/8 Inch
- B3: 1/8, 1/4 Inch
- B4: 1/4 Inch
- B5: 1/4, 3/8 Inch
- B6: 3/8 Inch
- B7: 1/2 Inch
- B8: 3/4 Inch

Mounting

- Inline
- Subbase
- IEM Stackable Base
- IEM Aluminum Bar
- 5-Port Subbase Aluminum Bar

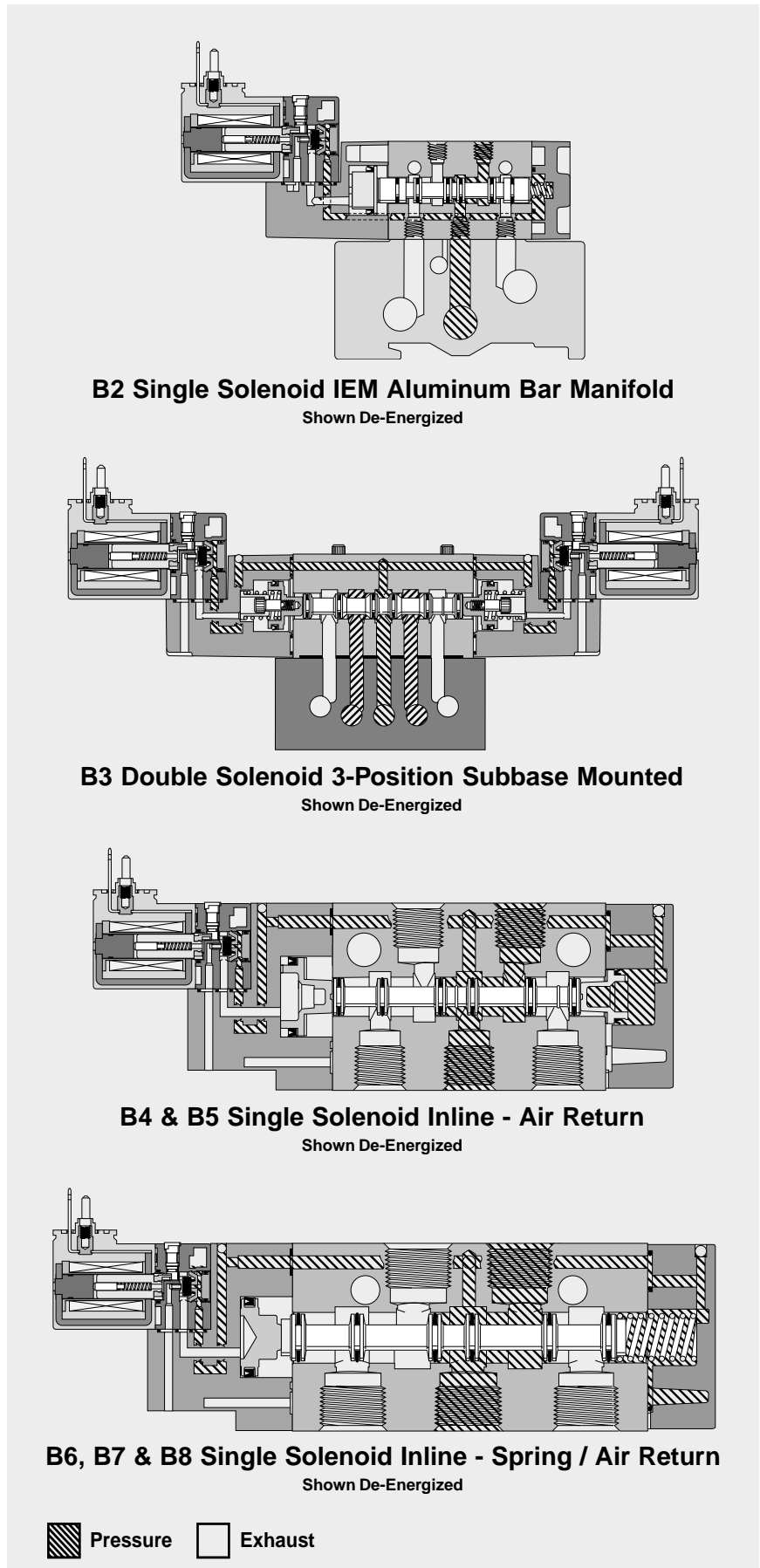
Solenoids

- 1.2 Watt – 15mm 3-Pin (DIN 43650C)
- 2.5 to 7.3 Watt – Conduit, Grommet, 22mm & 30mm 3-Pin DIN (43650)
- 12VDC to 240VAC
- Female DIN Electrical Connectors

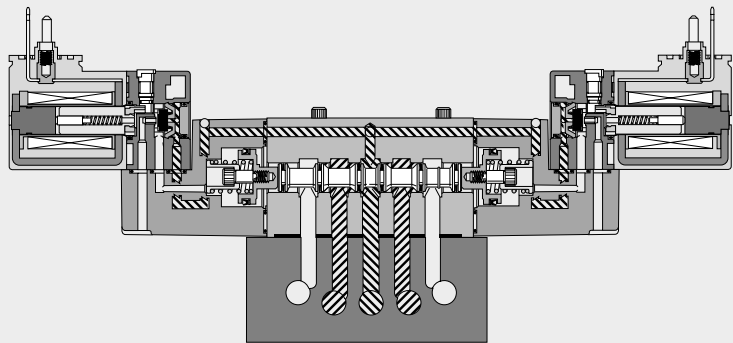
Certification / Approval

- Approved to be CE marked
- IP65 Rated
- CSA / NRTL-C*

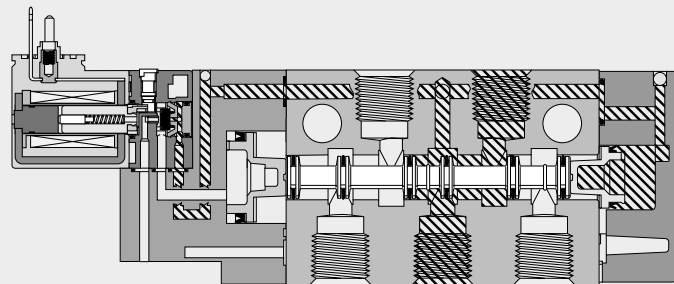
* See catalog technical section for more information.



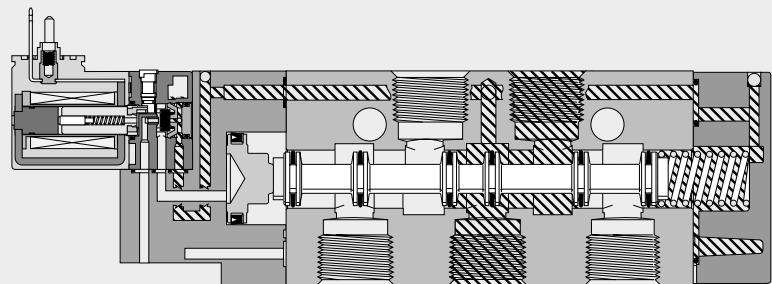
B2 Single Solenoid IEM Aluminum Bar Manifold
 Shown De-Energized



B3 Double Solenoid 3-Position Subbase Mounted
 Shown De-Energized



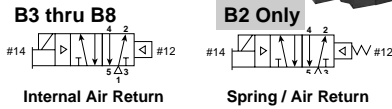
B4 & B5 Single Solenoid Inline - Air Return
 Shown De-Energized



B6, B7 & B8 Single Solenoid Inline - Spring / Air Return
 Shown De-Energized

 Pressure  Exhaust

Single Solenoid
4-Way, 2-Position



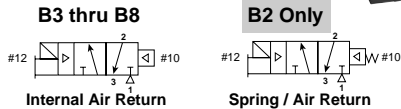
Inline

B2	B2ECBB553C	120VAC	M5	.16 Cv
	B2ECBB549C	24VDC		
B3	B310BB553C	120VAC	1/8"	.75 Cv
	B310BB549C	24VDC		
B4	B411BB553A	120VAC	1/4"	1.2 Cv
	B411BB549A	24VDC		
B5	B511BB553C	120VAC	1/4"	1.4 Cv
	B511BB549C	24VDC		
	B512BB553C	120VAC	3/8"	
	B512BB549C	24VDC		
B6	B612BB553A	120VAC	3/8"	2.7 Cv
	B612BB549A	24VDC		
B7	B713BB553A	120VAC	1/2"	5.9 Cv
	B713BB549A	24VDC		
B8	B814BB553A	120VAC	3/4"	7.0 Cv
	B814BB549A	24VDC		

Subbase

B2	B2EVXB553C	120VAC	Less Base	.16 Cv
	B2EVXB549C	24VDC		
B3	B31VBB553C	120VAC	Less Base	.65 Cv
	B31VBB549C	24VDC		

Single Solenoid
3-Way, 2-Position, NC



Inline

B2	B2VCBB553C	120VAC	M5	.16 Cv
	B2VCBB549C	24VDC		
B3	B3G0BB553C	120VAC	1/8"	.75 Cv
	B3G0BB549C	24VDC		
B4	B4G1BB553A	120VAC	1/4"	1.2 Cv
	B4G1BB549A	24VDC		
B5	B5G1BB553C	120VAC	1/4"	1.4 Cv
	B5G1BB549C	24VDC		
	B5G2BB553C	120VAC	3/8"	
	B5G2BB549C	24VDC		
B6	B6G2BB553A	120VAC	3/8"	2.7 Cv
	B6G2BB549A	24VDC		
B7	B7G3BB553A	120VAC	1/2"	5.9 Cv
	B7G3BB549A	24VDC		
B8	B8G4BB553A	120VAC	3/4"	7.0 Cv
	B8G4BB549A	24VDC		

3-Pin DIN 43650C Electrical Connection,
Non-Locking Flush Override.

Double Solenoid
4-Way, 2-Position



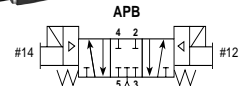
Inline

B2	B22CBB553C	120VAC	M5	.16 Cv
	B22CBB549C	24VDC		
B3	B320BB553C	120VAC	1/8"	.75 Cv
	B320BB549C	24VDC		
B4	B421BB553A	120VAC	1/4"	1.2 Cv
	B421BB549A	24VDC		
B5	B521BB553C	120VAC	1/4"	1.4 Cv
	B521BB549C	24VDC		
	B522BB553C	120VAC	3/8"	
	B522BB549C	24VDC		
B6	B622BB553A	120VAC	3/8"	2.7 Cv
	B622BB549A	24VDC		
B7	B723BB553A	120VAC	1/2"	5.9 Cv
	B723BB549A	24VDC		
B8	B824BB553A	120VAC	3/4"	7.0 Cv
	B824BB549A	24VDC		

Subbase

B2	B22VXB553C	120VAC	Less Base	.16 Cv
	B22VXB549C	24VDC		
B3	B32VBB553C	120VAC	Less Base	.65 Cv
	B32VBB549C	24VDC		

Double Solenoid
4-Way, 3-Position, APB



Inline

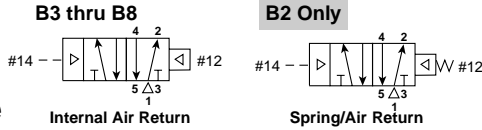
B2	B25CBB553C	120VAC	M5	.13 Cv
	B25CBB549C	24VDC		
B3	B350BB553C	120VAC	1/8"	.60 Cv
	B350BB549C	24VDC		
B4	B451BB553A	120VAC	1/4"	1.2 Cv
	B451BB549A	24VDC		
B5	B551BB553C	120VAC	1/4"	1.1 Cv
	B551BB549C	24VDC		
	B552BB553C	120VAC	3/8"	
	B552BB549C	24VDC		
B6	B652BB553A	120VAC	3/8"	2.1 Cv
	B652BB549A	24VDC		
B7	B753BB553A	120VAC	1/2"	5.7 Cv
	B753BB549A	24VDC		
B8	B854BB553A	120VAC	3/4"	6.6 Cv
	B854BB549A	24VDC		

Subbase

B2	B25VXB553C	120VAC	Less Base	.13 Cv
	B25VXB549C	24VDC		
B3	B35VBB553C	120VAC	Less Base	.50 Cv
	B35VBB549C	24VDC		



Single Remote Pilot
4-Way, 2-Position



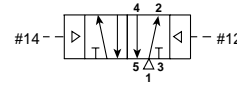
Inline

B2	B2FC000XXC	M5	.16 Cv
B3	B330000XXC	1/8"	.75 Cv
B4	B431000XXA	1/4"	1.2 Cv
B5	B531000XXC	1/4"	1.4 Cv
	B532000XXC	3/8"	
B6	B632000XXA	3/8"	2.7 Cv
B7	B733000XXA	1/2"	5.9 Cv
B8	B834000XXA	3/4"	7.0 Cv

Subbase

B2	B2FVX00XXC	Less Base	.16 Cv
B3	B33V000XXC	Less Base	.65 Cv

Double Remote Pilot
4-Way, 2-Position



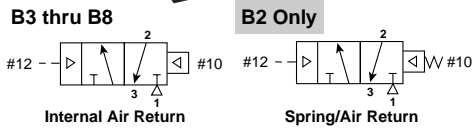
Inline

B2	B24C000XXC	M5	.16 Cv
B3	B340000XXC	1/8"	.75 Cv
B4	B441000XXA	1/4"	1.2 Cv
B5	B541000XXC	1/4"	1.4 Cv
	B542000XXC	3/8"	
B6	B642000XXA	3/8"	2.7 Cv
B7	B743000XXA	1/2"	5.9 Cv
B8	B844000XXA	3/4"	7.0 Cv

Subbase

B2	B24V000XXC	Less Base	.16 Cv
B3	B34V000XXC	Less Base	.65 Cv

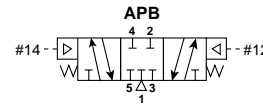
Single Remote Pilot
3-Way, 2-Position, NC



Inline

B2	B2XC000XXC	M5	.16 Cv
B3	B3K0000XXC	1/8"	.75 Cv
B4	B4K1000XXA	1/4"	1.2 Cv
B5	B5K1000XXC	1/4"	1.4 Cv
	B5K2000XXC	3/8"	
B6	B6K2000XXA	3/8"	2.7 Cv
B7	B7K3000XXA	1/2"	5.9 Cv
B8	B8K4000XXA	3/4"	7.0 Cv

Double Remote Pilot
4-Way, 3-Position, APB



Inline

B2	B28C000XXC	M5	.13 Cv
B3	B380000XXC	1/8"	.60 Cv
B4	B481000XXA	1/4"	1.2 Cv
B5	B581000XXC	1/4"	1.1 Cv
	B582000XXC	3/8"	
B6	B682000XXA	3/8"	2.1 Cv
B7	B783000XXA	1/2"	5.7 Cv
B8	B884000XXA	3/4"	6.6 Cv

Subbase

B2	B28V000XXC	Less Base	.13 Cv
B3	B38V000XXC	Less Base	.50 Cv



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																																										
B2	E	C	B	B	5	49	-	C																																										
<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;">Operator / Function</p> <p style="text-align:center;">3-Way</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>V Single Solenoid, 2-Position NC - Air Return / Spring Assist</p> <p>W Single Solenoid, 2-Position NO - Air Return / Spring Assist</p> <p>X Single Remote Pilot, 2-Position NC - Air Return / Spring Assist</p> <p>Y Single Remote Pilot, 2-Position NO - Air Return / Spring Assist</p> <p style="text-align:center;">4-Way</p> <p>2 Double Solenoid, 2-Position</p> <p>4 Double Remote Pilot, 2-Position</p> <p>5 Double Solenoid, 3-Position - APB</p> <p>6 Double Solenoid, 3-Position - CE</p> <p>7 Double Solenoid, 3-Position - PC</p> <p>8 Double Remote Pilot, 3-Position - APB</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>E Single Solenoid, 2-Position - Air Return / Spring Assist</p> <p>F Single Remote Pilot, 2-Position - Air Return / Spring Assist</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Pilot Source / Pilot Exhaust</p> <p>0 None, Remote Pilot Valve</p> <p>B† Internal - Port #1 / Vented</p> <p>X‡ External - Manifold / Vented</p> <p>† Not available for Remote Pilot Valves or Subbase Valves.</p> <p>‡ See Pilot Source Note below.</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Overrides §</p> <p>0 None, Remote Pilot Valve</p> <p>B Flush - Non-Locking</p> <p>C Flush - Locking</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; margin-top: 10px;"> <p style="text-align:center;">Voltage §</p> <table border="1" style="width:100%; border-collapse: collapse;"> <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></td> </tr> <tr> <td>45</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>47*</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>48*</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>49</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>53</td> <td>120</td> <td>110</td> <td></td> </tr> <tr> <td>57</td> <td>240</td> <td>230</td> <td></td> </tr> <tr> <td>XX</td> <td colspan="3">Remote Pilot - M5 or Valve Less 15mm Solenoid</td> </tr> <tr> <td>YY†</td> <td colspan="3">Remote Pilot - 5/32" (4mm) Tube</td> </tr> </table> <p>* Mobile voltage. Only available with Overrides "D" & "E".</p> <p>† Not available with Port Size 'V' or with IEM Bar Manifolds.</p> </div>		AC		DC	60Hz	50Hz	42	24	22		45			12	47*			12	48*			24	49			24	53	120	110		57	240	230		XX	Remote Pilot - M5 or Valve Less 15mm Solenoid			YY†	Remote Pilot - 5/32" (4mm) Tube			<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Options</p> <p>Blank None</p> <p>01* Operator on 12 End for Single Solenoid/ Remote Pilot</p> <p>02 Solenoid Rotated 180° - Pins Down</p> <p>03* 01 + 02</p> <p>M8 3-Way with M800 / B2 'B' Mounting - Inline 3-Way Only</p> <p>* Not available with 3-Way valves.</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Enclosures / Lead Length</p> <p>0 None, Remote Pilot Valve</p> <p>5 15mm 3-Pin DIN 43650C (Male Only)</p> <p>X Valve Less 15mm Solenoid</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Port Size / Thread Type</p> <p>3-Way / 4-Way</p> <p>C M5 Inline</p> <p>V* Subbase Valve Less Base</p> <p>* Must be used with Pilot Source / Exhaust "X" (Except Operator 4, 8, 9, 0, M uses Pilot /Source / Exhaust "0").</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Engineering Level</p> <p>C Current</p> </div>
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<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align:center;">Pilot Source 'X' - External-Manifold / Vented</p> <p>INLINE Valves - Only used IF an IEM Aluminum Bar Manifold <u>requires</u> a common external pilot signal thru the manifold for low pressure / vacuum applications.</p> <p>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.</p> </div>																																																		

Note: Shaded options have been discontinued. Refer to back of Catalog for Cross Reference Information.

§ Enclosure '5' - Override / Voltage Availability

Voltage Code	Override Code			
	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	-	-



B3 Series

BOLD OPTIONS ARE STANDARD

Basic Series	Operator/Function	Port Size/Thread Type	Pilot Source/Exhaust	Overrides	Enclosures/Lead Length	Voltage	Options	Engineering Level																																																																																						
B3	1	0	B	B	5	49	-	C																																																																																						
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	3-Way G Single Solenoid, 2-Position NC - Air Return H Single Solenoid, 2-Position NO - Air Return J Double Solenoid, 2-Position K Single Remote Pilot, 2-Position NC - Air Return L Single Remote Pilot, 2-Position NO - Air Return M Double Remote Pilot, 2-Position S Single Solenoid / Single Remote Pilot, 2-Position V Single Solenoid, 2-Position NC - Air Return / Spring Assist W Single Solenoid, 2-Position NO - Air Return / Spring Assist X Single Remote Pilot, 2-Position NC - Air Return / Spring Assist Y Single Remote Pilot, 2-Position NO - Air Return / Spring Assist Dual 3-Way N* Double Solenoid, Dual 3/2 NC/NC P* Double Solenoid, Dual 3/2 NO/NO Q* Double Solenoid, Dual 3/2 NC/NO R* Double Remote Pilot, Dual 3/2 NC/NC T* Double Remote Pilot, Dual 3/2 NO/NO U* Double Remote Pilot, Dual 3/2 NC/NO 4-Way 1 Single Solenoid, 2-Position - Air Return 2 Double Solenoid, 2-Position 3 Single Remote Pilot, 2-Position - Air Return 4 Double Remote Pilot, 2-Position 5 Double Solenoid, 3-Position - APB 6 Double Solenoid, 3-Position - CE 7 Double Solenoid, 3-Position - PC 8 Double Remote Pilot, 3-Position - APB 9 Double Remote Pilot, 3-Position - CE 0 Double Remote Pilot, 3-Position - PC A Single Solenoid / Single Remote Pilot, 2-Position E Single Solenoid, 2-Position - Air Return / Spring Assist F Single Remote Pilot, 2-Position - Air Return / Spring Assist	0 None, Remote Pilot Valve A† Internal - Port #1 / Tapped M5 B† Internal - Port #1 / Vented E* Dual Pressure - Port #3 / Vented K† External - Body / Tapped M5 W†‡ External - Manifold / Tapped M5 X† External - Manifold / Vented	0 None, Remote Pilot Valve B Flush - Non-Locking C Flush - Locking D Extended - Non-Locking E Extended - Locking X Valve Less 15mm Solenoid	0 None, Remote Pilot Valve 5 15mm 3-Pin DIN 43650C (Male Only) X Valve Less 15mm Solenoid	<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">AC</th> <th rowspan="2">DC</th> </tr> <tr> <th>60Hz</th> <th>50Hz</th> </tr> </thead> <tbody> <tr> <td>42</td> <td>24</td> <td>22</td> <td></td> </tr> <tr> <td>45</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>47*</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>48*</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>49</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>53</td> <td>120</td> <td>110</td> <td></td> </tr> <tr> <td>57</td> <td>240</td> <td>230</td> <td></td> </tr> <tr> <td>XX</td> <td colspan="3">Remote Pilot - M5 or Valve Less 15mm Solenoid</td> </tr> <tr> <td>YY</td> <td colspan="3">Remote Pilot - 5/32" (4mm) Tube</td> </tr> </tbody> </table> <p>* Mobile voltage. Only available with Overrides "D" & "E".</p>		AC		DC	60Hz	50Hz	42	24	22		45			12	47*			12	48*			24	49			24	53	120	110		57	240	230		XX	Remote Pilot - M5 or Valve Less 15mm Solenoid			YY	Remote Pilot - 5/32" (4mm) Tube			Blank None 01* Operator on 12 End for Single Solenoid / Remote Pilot 02 Solenoid Rotated 180° - Pins Down 03* 01 + 02 V0† Fluorocarbon Seals V1† V0 + 01 V2† V0 + 02 V3† V1 + V2 MD Manual Detent	C Current																																													
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* Available with Pilot Source / Pilot Exhaust "0", "A" and "B" only.

* Not available for 3-Way Valves.
 † Not available for Remote Pilot Valves.
 ‡ See Pilot Source Note below.

Note: Shaded options have been discontinued. Refer to back of Catalog for Cross Reference Information.

Pilot Source 'X' & 'W' -
External-Manifold / Vented

INLINE & SUBBASE Valves -
Only used IF an IEM or 5-Ported Subbase Aluminum Bar Manifold requires a common external pilot signal thru the manifold for low pressure / vacuum applications OR when used with Sandwich Regulators.



B4 Series

BOLD OPTIONS ARE STANDARD

Basic Series	Operator/ Function	Port Size/ Thread Type	Pilot Source/ Exhaust	Overrides	Enclosures/ Lead Length	Voltage	Options	Engineering Level																																																																																				
B4	1	1	B	C	5	53	-	A																																																																																				
Basic Series B4 Series				Overrides § 0 None, Remote Pilot Valve B Flush - Non-Locking without Light C Flush - Locking D Extended - Non-Locking E Extended - Locking X† Valve Less 15mm Solenoid	Voltage § <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">AC</th> <th rowspan="2">DC</th> </tr> <tr> <th>60Hz</th> <th>50Hz</th> </tr> </thead> <tbody> <tr> <td>42</td> <td>24</td> <td>22</td> <td></td> </tr> <tr> <td>45</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>47*</td> <td></td> <td></td> <td>12</td> </tr> <tr> <td>48*</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>49</td> <td></td> <td></td> <td>24</td> </tr> <tr> <td>53</td> <td>120</td> <td>110</td> <td></td> </tr> <tr> <td>57</td> <td>240</td> <td>230</td> <td></td> </tr> </tbody> </table> Remote Pilot or Valve less Solenoid XX		AC		DC	60Hz	50Hz	42	24	22		45			12	47*			12	48*			24	49			24	53	120	110		57	240	230		Enclosures / Lead Length 0 None, Remote Pilot Valve 5 15mm 3-Pin DIN 43650C (Male Only) X Valve Less 15mm Solenoid	Pilot Source / Pilot Exhaust 0 None, Remote Pilot Valve A† Internal - Port #1 / Tapped Side B† Internal - Port #1 / Vented Side	Operator / Function 3-Way G Single Solenoid, 2-Position NC - Air Return H Single Solenoid, 2-Position NO - Air Return J Double Solenoid, 2-Position K† Single Remote Pilot, 2-Position NC - Air Return L† Single Remote Pilot, 2-Position NO - Air Return M† Double Remote Pilot, 2-Position S Single Solenoid / Single Remote Pilot, 2-Position V Single Solenoid, 2-Position NC - Air Return / Spring Assist W Single Solenoid, 2-Position NO - Air Return / Spring Assist X† Single Remote Pilot, 2-Position NC - Air Return / Spring Assist Y† Single Remote Pilot, 2-Position NO - Air Return / Spring Assist 4-Way 1 Single Solenoid, 2-Position - Air Return 2 Double Solenoid, 2-Position 3† Single Remote Pilot, 2-Position - Air Return 4*† Double Remote Pilot, 2-Position 5 Double Solenoid, 3-Position - APB 6 Double Solenoid, 3-Position - CE 7 Double Solenoid, 3-Position - PC 8*† Double Remote Pilot, 3-Position - APB 9*† Double Remote Pilot, 3-Position - CE 0*† Double Remote Pilot, 3-Position - PC A Single Solenoid / Single Remote Pilot, 2-Position E Single Solenoid, 2-Position - Air Return / Spring Assist F† Single Remote Pilot, 2-Position - Air Return / Spring Assist	Options Blank None 01† Operator on 12 End for Single Solenoid/ Remote Pilot 02* Solenoid Rotated 180° - Pins Down 03*† 01 + 02 * Not available with 3-Way valves. * Not available with Overrides D, E and Voltages 42, 45, 47, and 48.	Engineering Level A Current																																																
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		Port Size / Thread Type 3-Way 1* 1/4" NPT Inline 4 Port 1 & 2 - 3/8" Tube Inline 6* 1/4" BSPP "G" Inline G* Port 2 - 3/8" Tube Inline 4-Way 1* 1/4" NPT Inline 4 Port 1, 2 & 4 - 3/8" Tube Inline 6* 1/4" BSPP "G" Inline G* Port 2 & 4 - 3/8" Tube Inline * Available for use on IEM Manifolds.	Enclosure '5' - Override / Voltage Availability S - Standard O - Option																																																																																									
			Pilot Source 'X' & 'W' - 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.	<table border="1"> <thead> <tr> <th rowspan="2">Voltage Code</th> <th colspan="4">Override Code</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>42</td> <td>O</td> <td>O</td> <td>-</td> <td>-</td> </tr> <tr> <td>45</td> <td>O</td> <td>O</td> <td>-</td> <td>-</td> </tr> <tr> <td>47</td> <td>-</td> <td>-</td> <td>O</td> <td>O</td> </tr> <tr> <td>48</td> <td>-</td> <td>-</td> <td>O</td> <td>O</td> </tr> <tr> <td>49</td> <td>S</td> <td>S</td> <td>O</td> <td>O</td> </tr> <tr> <td>53</td> <td>S</td> <td>S</td> <td>O</td> <td>O</td> </tr> <tr> <td>57</td> <td>O</td> <td>O</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">"02" Option</th> </tr> <tr> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>42</td> <td>O</td> <td>O</td> <td>-</td> <td>-</td> </tr> <tr> <td>45</td> <td>O</td> <td>O</td> <td>-</td> <td>-</td> </tr> <tr> <td>47</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>48</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>49</td> <td>S</td> <td>S</td> <td>O</td> <td>O</td> </tr> <tr> <td>53</td> <td>S</td> <td>S</td> <td>O</td> <td>O</td> </tr> <tr> <td>57</td> <td>O</td> <td>O</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Voltage Code	Override Code				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	-	-
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† Pilot Source / Pilot Exhaust must be "0".
 † Override and Enclosure must be "0", voltage must be "XX".
 § Enclosure '5' - Override / Voltage Availability
 S - Standard
 O - Option

Note: Shaded options have been discontinued. Refer to back of Catalog for Cross Reference Information.



B5 Series **BOLD OPTIONS ARE STANDARD**

Basic Series	Operator/Function	Port Size/Thread Type	Pilot Source/Exhaust	Overrides	Enclosures/Lead Length	Voltage	Options	Engineering Level																																																																																																																																																																																					
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Refer to back of Catalog for Cross Reference Information.</p> <p>§ Enclosure '5' - Override / Voltage Availability</p> <p>S - Standard O - Option</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><th rowspan="2">Voltage Code</th><th colspan="4">Override Code</th></tr> <tr><th>Standard</th><th>B</th><th>C</th><th>D</th><th>E</th></tr> <tr><td>42</td><td>O</td><td>O</td><td>-</td><td>-</td></tr> <tr><td>45</td><td>O</td><td>O</td><td>-</td><td>-</td></tr> <tr><td>47</td><td>-</td><td>-</td><td>O</td><td>O</td></tr> <tr><td>48</td><td>-</td><td>-</td><td>O</td><td>O</td></tr> <tr><td>49</td><td>S</td><td>S</td><td>O</td><td>O</td></tr> <tr><td>53</td><td>S</td><td>S</td><td>O</td><td>O</td></tr> <tr><td>57</td><td>O</td><td>O</td><td>-</td><td>-</td></tr> </table>	Options		Blank	None	01*	Operator on 12 End for Single Solenoid / Remote Pilot	02	Solenoid Rotated 180° - Pins Down	03*	01 + 02	V0 [†]	Fluorocarbon Seals	V1 [†]	V0 + 01	V2 [†]	V0 + 02	V3 [†]	V1 + V2	MD	Manual Detent	<small>* Not available with 3-Way valves. † Not available with Enclosure "0", "5", "X", "E" or "F".</small>		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	-	-
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B6 Series

BOLD OPTIONS ARE STANDARD

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B7 & B8 Series

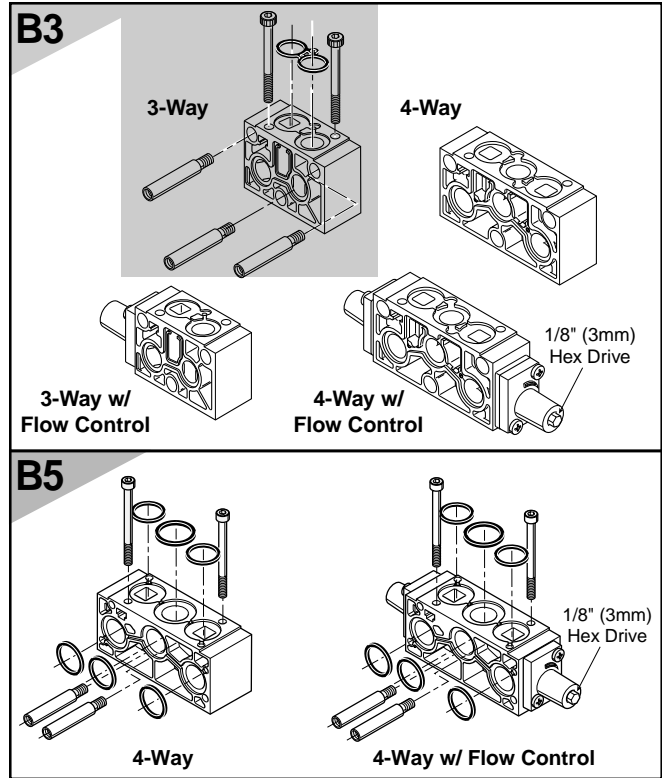
BOLD OPTIONS ARE STANDARD

Basic Series	Operator/Function	Port Size/Thread Type	Pilot Source/Exhaust	Overrides	Enclosures/Lead Length	Voltage	Options	Engineering Level																																																																																			
B7	1	3	A	B	G	53	-	A																																																																																			
Basic Series B7 Series B8 Series	Port Size / Thread Type B7 Series 3* 1/2" NPT Inline 8* 1/2" BSPP "G" Inline B8 Series 4* 3/4" NPT Inline 9* 3/4" BSPP "G" Inline <small>* Available for use on IEM Manifolds.</small>	Overrides § 0 None, Remote Pilot Valve A† No Override B* Flush - Non-Locking C Flush - Locking D Extended - Non-Locking E* Extended - Locking X Valve Less 15mm Solenoid <small>* Only Available with Enclosure "5". † Only Available with Enclosure "E".</small>	Voltage § <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">AC</th> <th rowspan="2">DC</th> </tr> <tr> <th>60Hz</th> <th>50Hz</th> </tr> </thead> <tbody> <tr><td>42</td><td>24</td><td>22</td><td></td></tr> <tr><td>45</td><td></td><td></td><td>12</td></tr> <tr><td>47*</td><td></td><td></td><td>12</td></tr> <tr><td>48*</td><td></td><td></td><td>24</td></tr> <tr><td>49</td><td></td><td></td><td>24</td></tr> <tr><td>53**</td><td>120</td><td>110</td><td></td></tr> <tr><td>53</td><td>120</td><td>120</td><td></td></tr> <tr><td>57</td><td>240</td><td>230</td><td></td></tr> </tbody> </table>		AC		DC	60Hz	50Hz	42	24	22		45			12	47*			12	48*			24	49			24	53**	120	110		53	120	120		57	240	230		Engineering Level A Current																																																	
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IEM Stackable Manifolds

Series	Type	Kit Number	
		Standard	Flow Control
B3	3-Way	PS2948P	PS2949P
	4-Way	PS2917P	PS2918P
B4	3-Way	PS4548P	PS4549P
	4-Way	PS4517P	PS4518P
B5	4-Way	PS2817P	PS2818P

- Individual Manifold Bases stack together to form lightweight, custom length manifold system.
- Easy-to-connect male/female tie rods for modular assembly.
- Utilizes B3 / B4 3-Way & 4-Way and B5 4-Way Inline Valves.
- Low-cost, built-in Flow Controls with heavy-duty brass adjusting needles to control meter-out exhaust flow.
- Accessories include Isolator Plugs for pressure isolation and Universal Blanking Plates for auxiliary inlet and exhaust supply and future valve additions.
- **Kit includes:** (1) Manifold Base, (2) Hold-down Bolts, Tie-rods, Gaskets and O-rings.

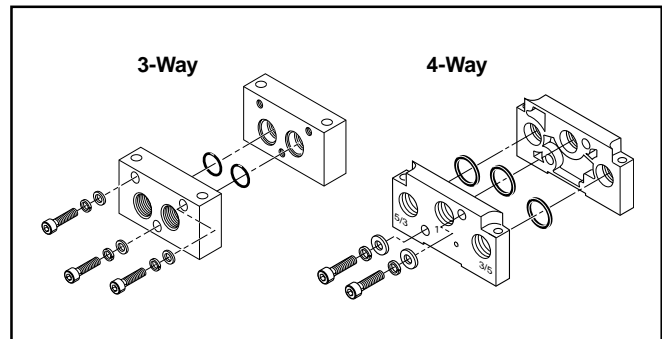


End Plate Kits

Series	Type	Kit Number	
		NPT	BSPP "G"
B3	3-Way**	PS2950P	PS2951P
	4-Way	PS2915P	PS2916P
B4	3-Way	PS4550P	PS4551P
	4-Way	PS2815P*	PS2816P*
B5	4-Way	PS2815P*	PS2816P*

Kit includes: Right and Left End Plate, O-rings, Socket Head Cap Screws, Flat Washers and Lockwashers.

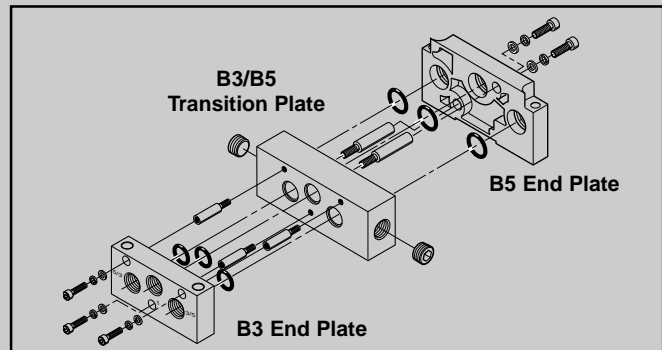
* B4 & B5 4-Way use the same Kit.
 ** Replacement Only.

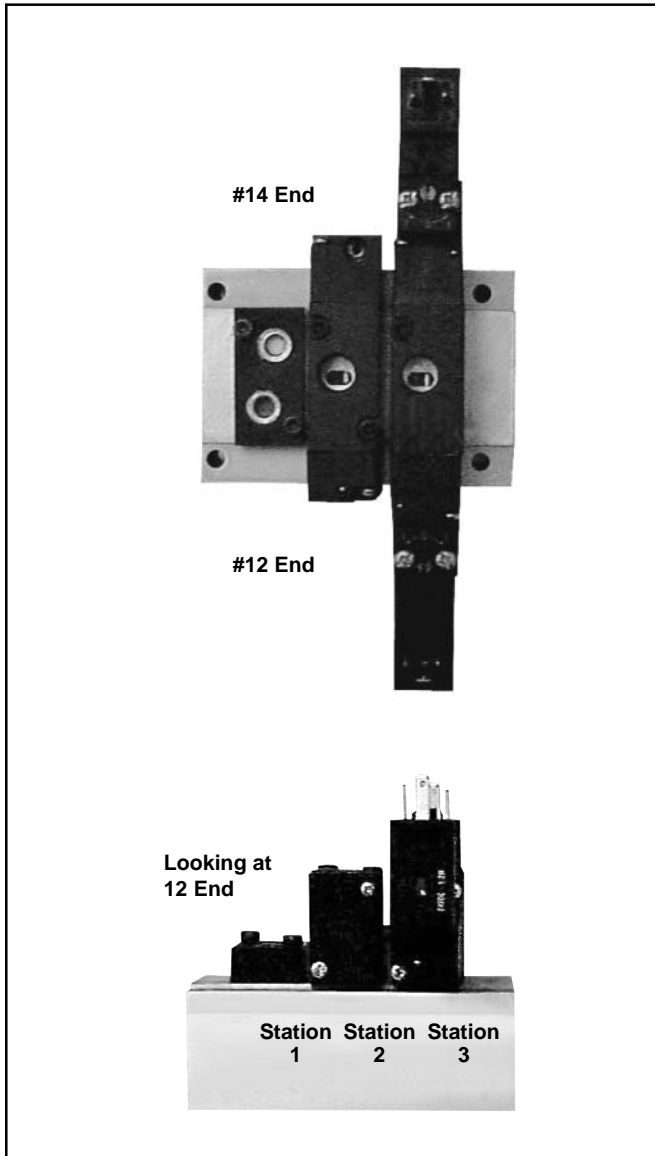


Transition Plate Kit

Series	Series	Kit Number	
		NPT	BSPP "G"
B3	B5	PS2842BP	PS2843BP

- Combines B3 and B5 4-Way valves into a common inlet and exhaust manifold system. Looking at the #12 end, the B5 is on the right and the B3 is on the left.
- **Kit includes:** B3 End Plate, B3/B5 Transition Plate, B5 End Plate, Socket Head Cap Screws, Flat Washers, Lockwashers, Tie-rods, O-rings, Pipe Plugs, and Roll Pins.



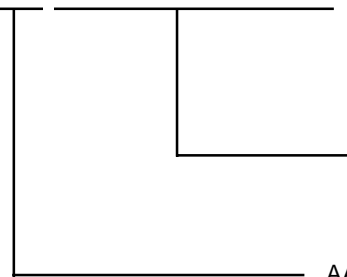


How To Order Aluminum Bar Manifold Assemblies

1. List Manifold Assembly call out. Use AA + the part number of the aluminum bar manifold. This automatically includes the aluminum bar manifold and assembly.
2. List complete valve model number, listing left to right, **LOOKING AT THE #12 END** of the manifold. The left most station is station 1.

(If a blanking plate is needed, list the blanking plate part number at the desired station.)

AA PS*****##P



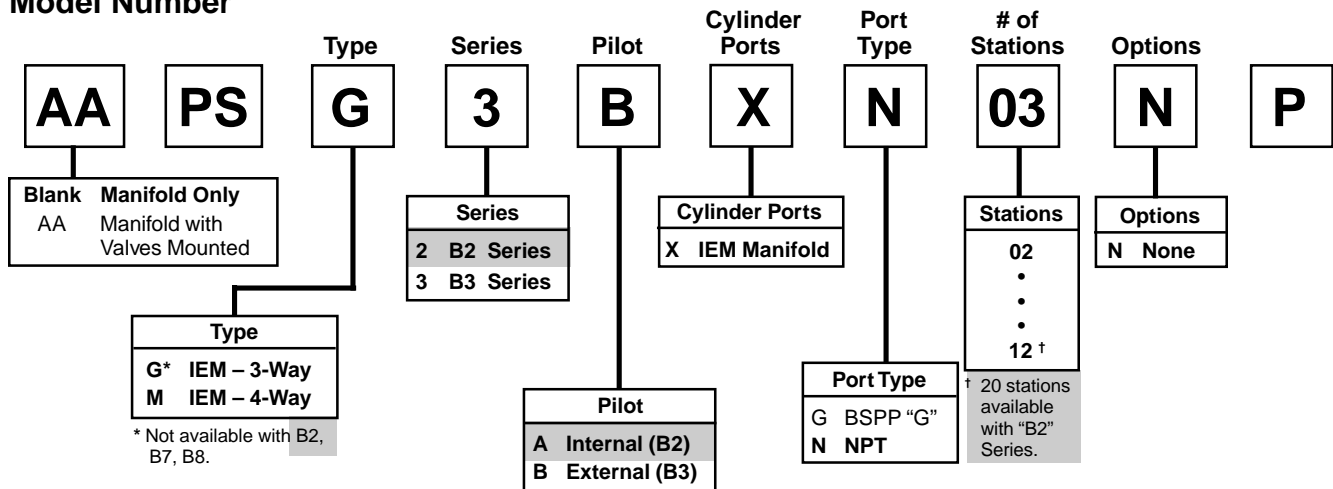
Use Aluminum Bar Manifold Kit Numbers from previous pages.

AA Manifold Assembly

Example: Application requires a 3-station "B3" 3-Way manifold with station #1 blanked off with valves assembled.

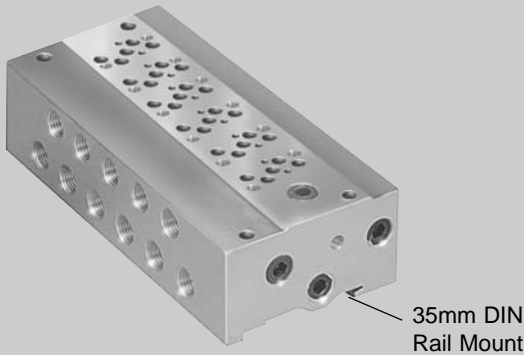
Qty.	Part No.	Comment
1	AAPSG3BXN03NP	
1	PS2966P	Station 1
1	B330000XXC	Station 2
1	B3J0BB553C	Station 3

Model Number



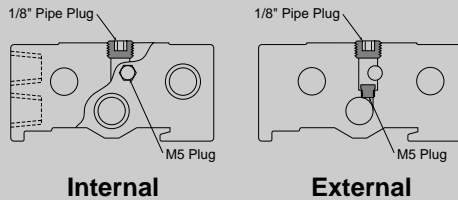


B2 Series



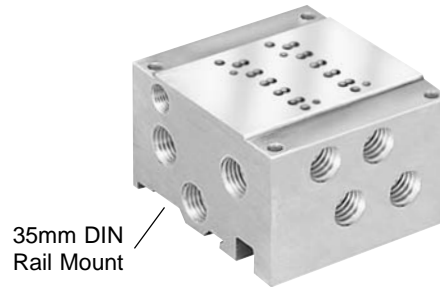
3-Way / 4-Way, 1/8" NPT	PSJ2A1N##NP	## – stations 02 to 20
3-Way / 4-Way, 1/4" Tube	PSJ2ABN##NP	

- Utilizes Subbase mount B2 valves.
- 3-Way & 4-Way valves interchangeable.
- External Pilot Valves – "X" or "W", must be used.
- Common External Pilot galley is field convertible from Internal to External Pilot. (Shipped as Internal Pilot from factory.)



To convert from Internal Pilot pressure to External Pilot pressure, remove "X" galley M5 pipe plug from either end of manifold and remove 1/8" pipe plug from top of manifold. Insert the M5 pipe plug into the hole left open when removing the 1/8" pipe plug and tighten. Replace the 1/8" pipe plug and pressurize the open M5 "X" port.

B3 Series



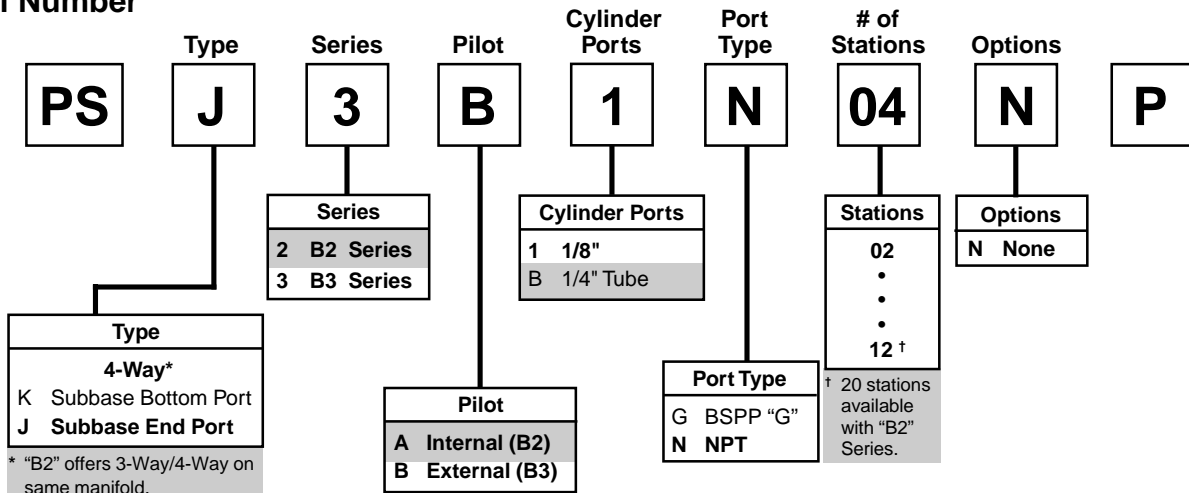
4-Way, 1/8" NPT	PSJ3B1N##NP	## – stations 02 to 12
4-Way, 1/4" Tube	PSJ3BBN##NP	

- Utilizes Subbase mount B3 valves.
- Available for 4-Way valves. If 3-Way function is required, plug a cylinder port.
- Common External Pilot galley is standard.
- Standard Internal Pilot valves need not use this galley, and the galley does not need to be plugged.
- External Pilot Valves – "X" or "W", must have Common External Galley pressurized.

Kit includes:

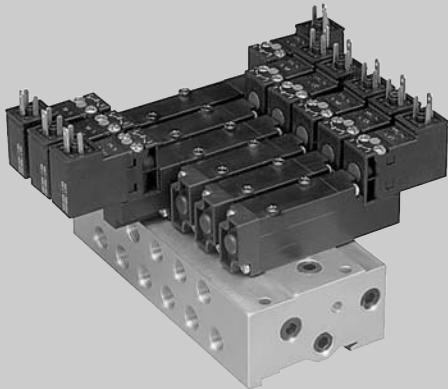
Subbase – (1) Manifold (bolts & gasket come with subbase valve).

Model Number





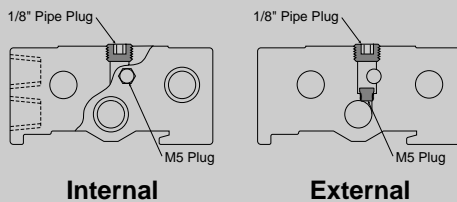
B2 Series



3-Way / 4-Way, 1/8" NPT	AAPSJ2A1N##NP	## – stations 02 to 20
3-Way / 4-Way, 1/4" Tube	AAPSJ2ABN##NP	

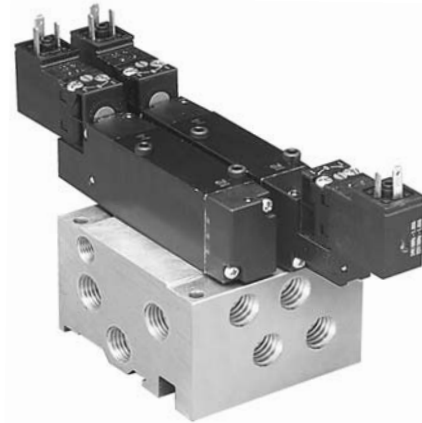
- Utilizes Subbase mount B2 valves.
- 3-Way & 4-Way valves interchangeable.
- External Pilot Valves – "X" or "W", must be used.
- Common External Pilot galley is field convertible from Internal to External Pilot.

(Shipped as Internal Pilot as Internal Pilot from factory.)



To convert from Internal Pilot pressure to External Pilot pressure, remove "X" galley M5 pipe plug from either end of manifold and remove 1/8" pipe plug from top of manifold. Insert the M5 pipe plug into the hole left open when removing the 1/8" pipe plug and tighten. Replace the 1/8" pipe plug and pressurize the open M5 "X" port.

B3 Series



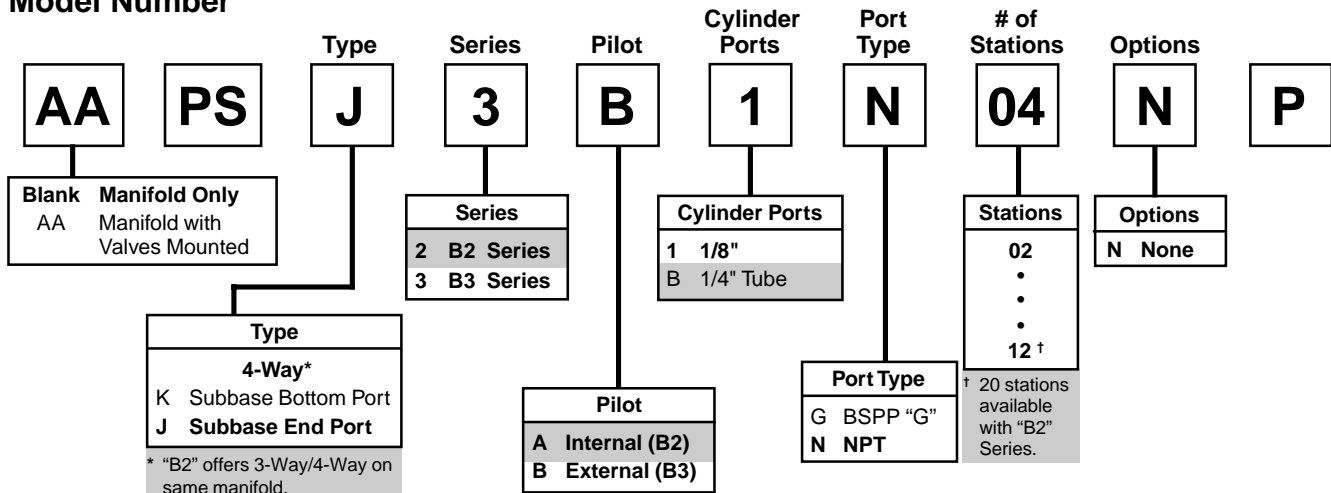
4-Way, 1/8" NPT	AAPSJ3B1N##NP	## – stations 02 to 12
4-Way, 1/4" Tube	AAPSJ3BBN##NP	

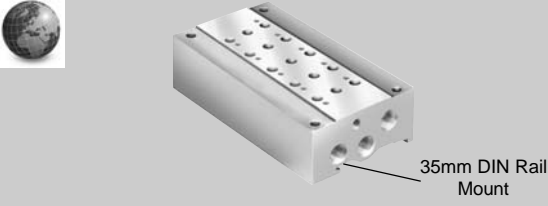
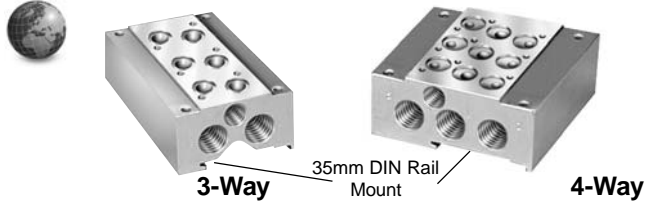

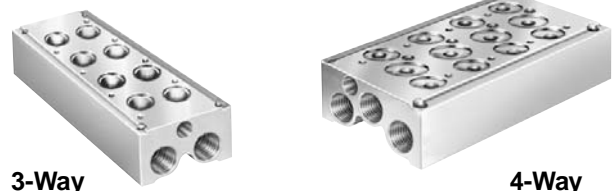

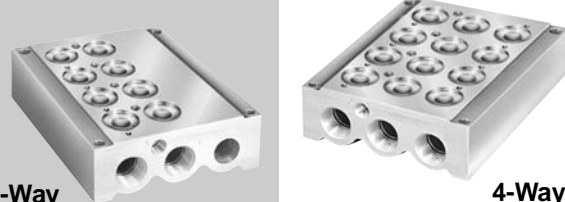
- Utilizes Subbase mount B3 valves.
- Available for 4-Way valves. If 3-Way function is required, plug a cylinder port.
- Common External Pilot galley is standard.
- Standard Internal Pilot valves need not use this galley, and the galley does not need to be plugged.
- External Pilot Valves – "X" or "W", must have Common External Galley pressurized.

Kit includes:

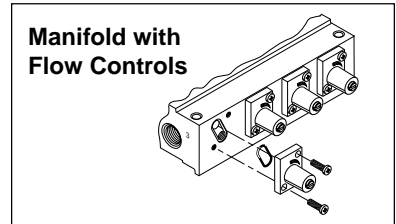
Subbase – (1) Manifold (bolts & gasket come with subbase valve).

Model Number

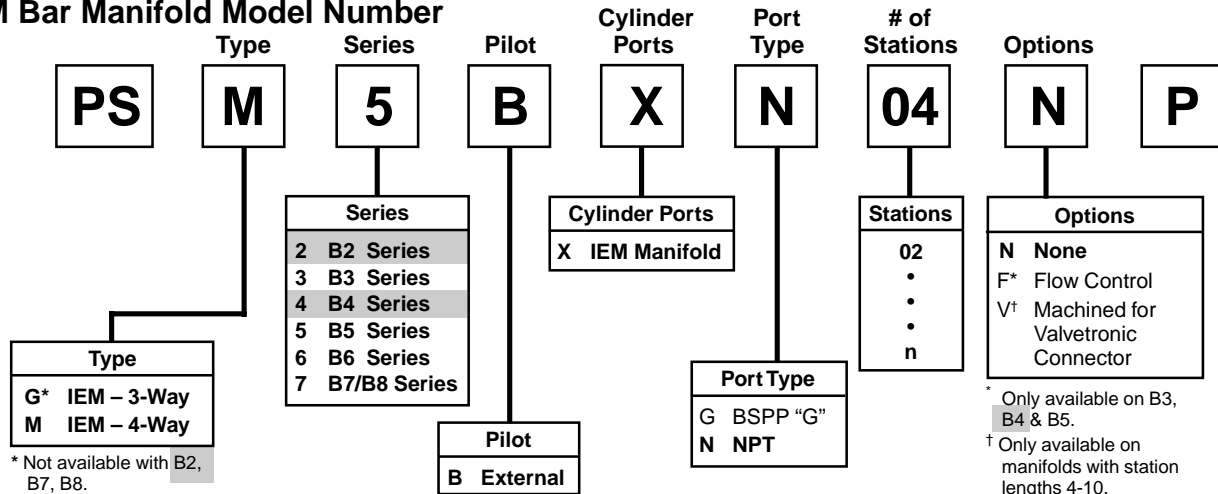


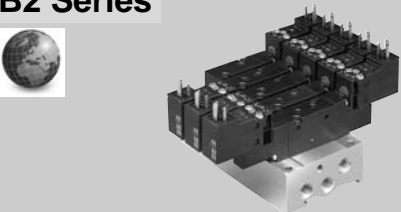

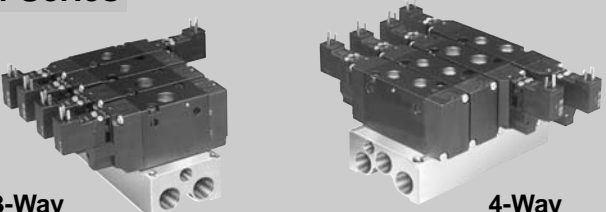
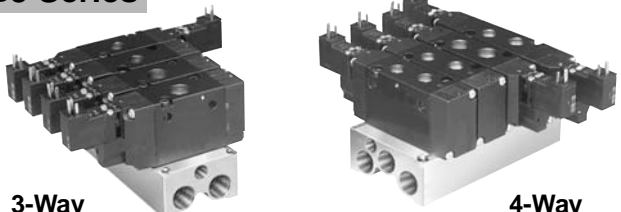
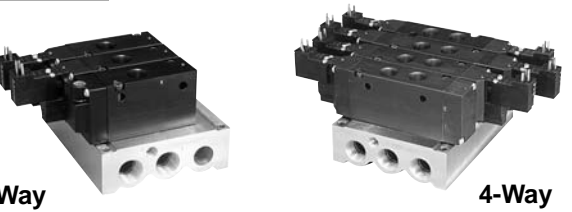
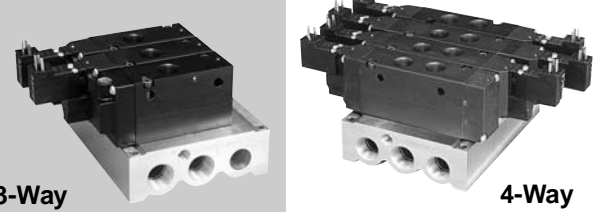
B2 Series 			B3 Series 		
3-Way / 4-Way, NPT	PSM2BXN##NP	## – stations 02 to 20	3-Way, NPT	PSG3BXN##NP	## – stations 02 to 12
			4-Way, NPT	PSM3BXN##NP	
B4 Series 			B5 Series 		
3-Way, NPT	PSG4BXN##NP	## – stations 02 to 12	3-Way, NPT	PSG5BXN##NP	## – stations 02 to 12
4-Way, NPT	PSM4BXN##NP		4-Way, NPT	PSM5BXN##NP	
B6 Series 			B7 & B8 Series 		
3-Way, NPT	PSG6BXN##NP	## – stations 02 to 12	3-Way & 4-Way, NPT	PSM7BXN##NP	## – stations 02 to 12
4-Way, NPT	PSM6BXN##NP				

- Utilizes Inline mount "B" Series valves.
- Different manifold for 3-Way & 4-Way valves (B2, B7, B8 use common manifolds).
- Common External Pilot galley is standard. Standard Internal Pilot valves need not use this galley. This galley does not require a plug for internally piloted valves.
- External Pilot Valves – "X" or "W", must have Common External Galley pressurized.
- **Kits (PS....) include:** (1) Manifold, Valve Hold Down Bolts, Gaskets.

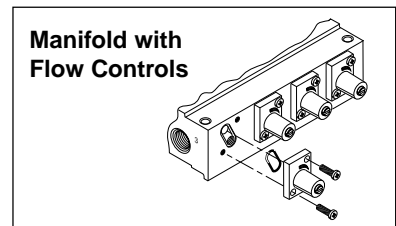


IEM Bar Manifold Model Number

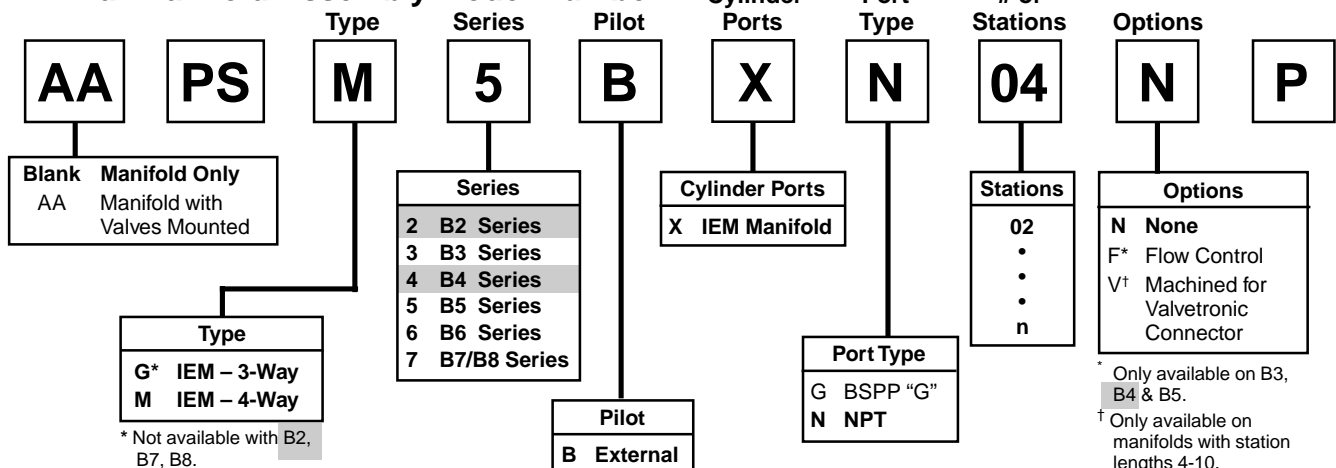


B2 Series 			B3 Series 		
3-Way / 4-Way, NPT	AAPSM2BXN##NP	## – stations 02 to 20	3-Way, NPT	AAPSG3BXN##NP	## – stations 02 to 12
			4-Way, NPT	AAPSM3BXN##NP	
B4 Series 			B5 Series 		
3-Way, NPT	AAPSG4BXN##NP	## – stations 02 to 12	3-Way, NPT	AAPSG5BXN##NP	## – stations 02 to 12
4-Way, NPT	AAPSM4BXN##NP		4-Way, NPT	AAPSM5BXN##NP	
B6 Series 			B7 & B8 Series 		
3-Way, NPT	AAPSG6BXN##NP	## – stations 02 to 12	3-Way & 4-Way, NPT	AAPSM7BXN##NP	## – stations 02 to 12
4-Way, NPT	AAPSM6BXN##NP				

- Utilizes Inline mount "B" Series valves.
- Different manifold for 3-Way & 4-Way valves (B2, B7, B8 use common manifolds).
- Common External Pilot galley is standard. Standard Internal Pilot valves need not use this galley. This galley does not require a plug for internally piloted valves.
- External Pilot Valves – "X" or "W", must have Common External Galley pressurized.
- **Kits (PS....) include:** (1) Manifold, Valve Hold Down Bolts, Gaskets.



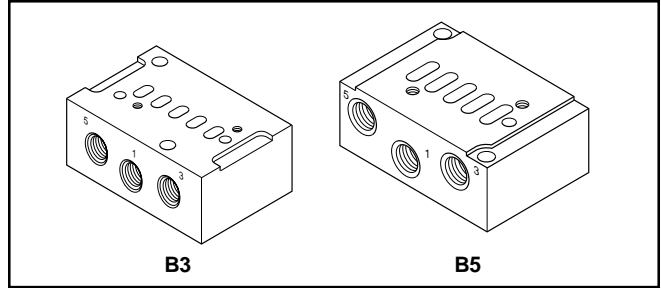
IEM Bar Manifold Assembly Model Number



Subbase

Type	Size	Kit Number	
		NPT	BSPP "G"
B3 4-Way	1/8"	PS2933P	PS2935P
	1/4"	PS2934P	PS2936P
B5 4-Way	1/4"	PS2833P	PS2835P
	3/8"	PS2834P	PS2836P

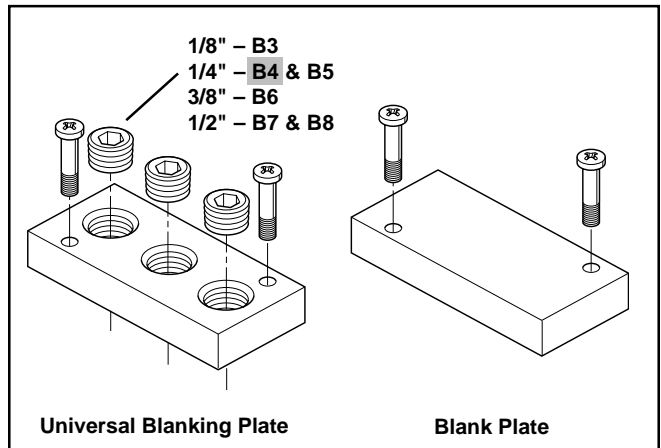
Kit includes: (1) subbase.
(Hold down bolts & gasket are included with valve.)



Blanking Plate

Type	Kit Number			
	IEM Universal		IEM Blank	Subbase Blank
	NPT	BSPP "G"		
B2 3-Way 4-Way	—	—	PS4494P	
B3 3-Way 4-Way	PS2966P	PS2967P	PS2968P	—
	PS2920P	PS2921P	PS2969P	PS2994P
B4 3-Way 4-Way	PS4566P	PS4567P	PS4568P	—
	PS4520P	PS4521P	PS4569P	—
B5 3-Way 4-Way	PS2866P	PS2867P	PS2868P	—
	PS2820P	PS2821P	PS2869P	—
B6 3-Way 4-Way	PS2620P	PS2621P	PS2669P	—
	PS2520P	PS2521P	PS2569P	—
B7 3-Way				
B8 4-Way				

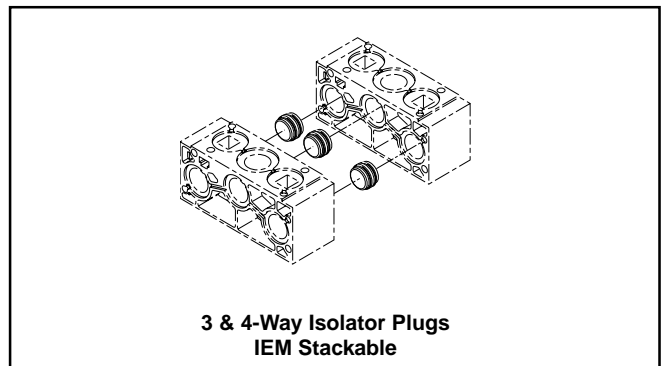
Kit includes: (1) Plate, (2) Screws, Seal / Gaskets



Isolator Plugs

Series	Kit Number	
	3-Way	4-Way
B2	—	—
B3	PS291901P	PS2919P
B4	PS4519P *	PS4519P *
B5	—	PS2819P

- Used to isolate the #1, #3 or #5 gallery between two Manifold Bases. (IEM STACKABLE ONLY)
- **Kit includes:** 3-Way – (2) plugs and (4) o-rings
4-Way – (3) plugs and (6) o-rings
- * B4 uses same kit for 3-Way and 4-Way



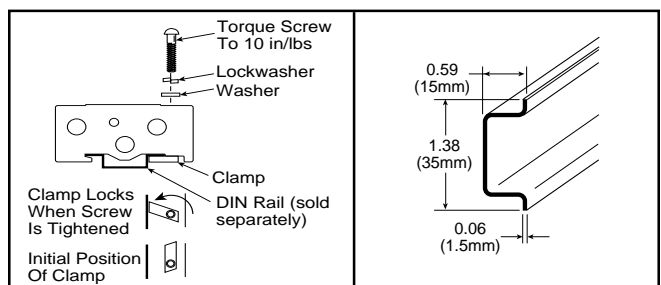
DIN Rail Hardware Kit

Series	IEM Bar	5-Port Subbase Bar
B2	PS4490P	PS4491P
B3	PS2990P	PS2991P
B4	PS4570F	—

Kit includes: (2) Screws, (2) Nuts, (2) Clamps

DIN Rail

AM1DE200 6 Foot Rail Length

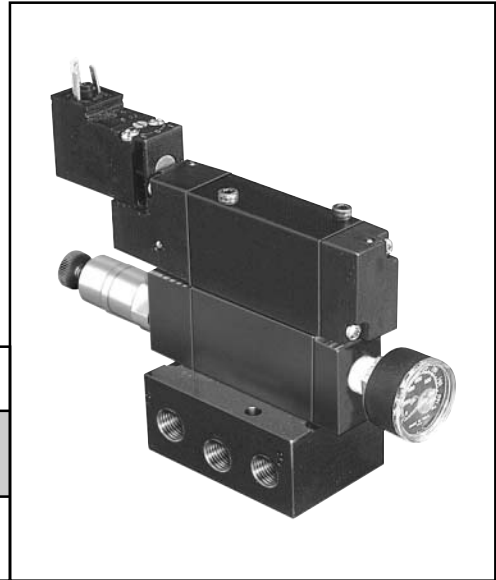




Sandwich Regulators

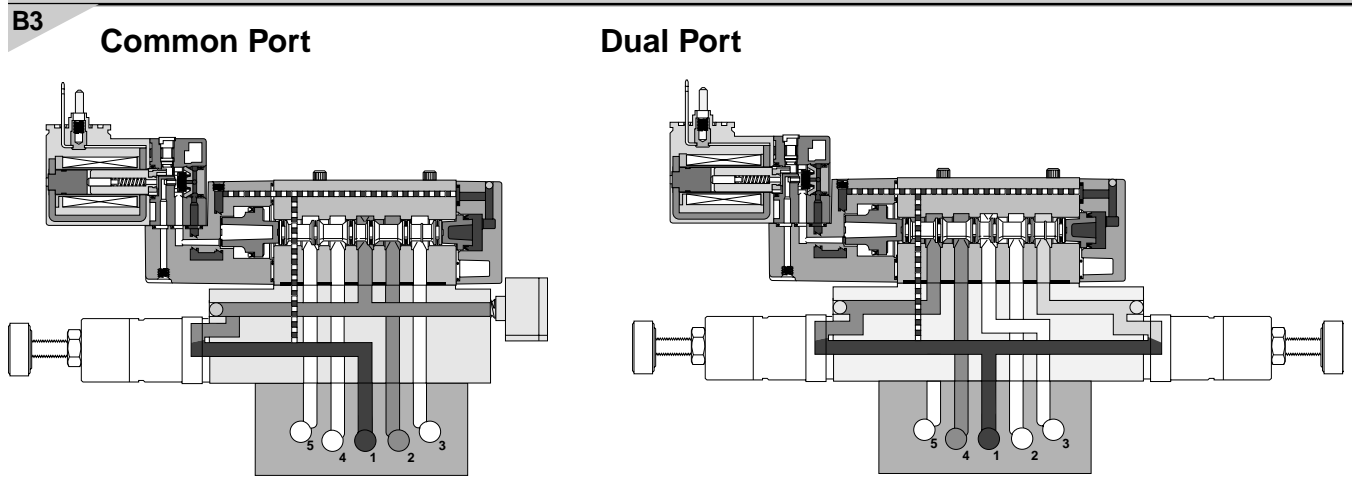
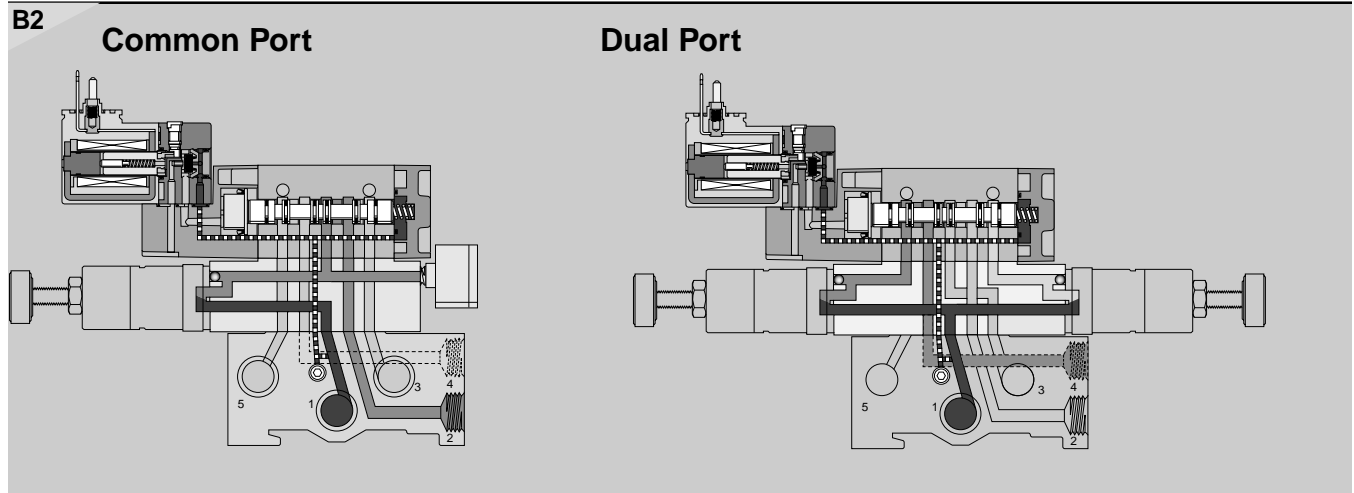
B2 B3 Features

- Use with B2 & B3 subbase valves on 5-Ported Subbase Bar Manifolds.
- Common Port or Dual Port regulation control.
- Unregulated Pressure Supplied to Valve Pilot - Use Pilot Source - 'X'.
- Easy adjust knob control.



	Common Port with Gauge *	Common Port without Gauge	Dual Port without Gauge	Cv	
B2	5-125 PSI 2-60 PSI	PS4430166P PS4430155P	PS4430133P PS4430122P	PS4430233P PS4430222P	.11
B3	5-125 PSI 2-60 PSI	PS2930166P PS2930155P	PS2930133P PS2930122P	PS2930233P PS2930222P	.33

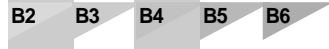
*Gauge is 160 PSI. Gauge shipped unassembled. For different gauge mounting configuration, use brass adapters listed at bottom of page.



Brass Adapters for Gauge –
 1/8" to 1/8" Female Coupling 207P-2
 1/8" Male Pipe Nippled 1.5" 215PNL-2-15
 1/8" Male to Female Adapter 222P-2-2
 1/8" to 1/8" 45° Female Elbow 2201P-2-2
 1/8" to 1/8" 90° Female Elbow 2200P-2-2

Gauge 3/4" Face –
 0-160 PSI PS3451160P

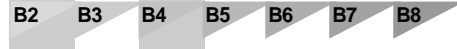
Solenoid Rotated 180° - Pins Down



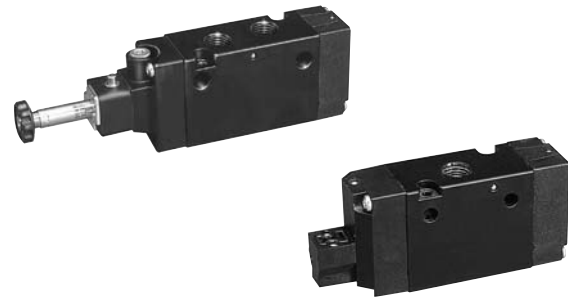
- 1.8W (2.4VA) solenoids – Enclosure "5".
- Override on top for easy access.
- "02" in the Options code.



Valve Less Solenoid



- Valve ordered & shipped without solenoid.
- Efficient method in place of valve repair, fully tested at factory.



Alternate Solenoid Enclosures



- Enclosure "A": 2.6W - 4.1VA (Coil rotates in 45° increments)
- Enclosure "B" – "R": 4.6W - 7.3VA (Coil rotates in 90° increments)



"A" 30mm 3-Pin



"C" 3-Pin Mini



"G", "Q" Grommet



"B" 22mm 3-Pin



"D" 5-Pin Mini



"F", "H", "R" 1/2" Conduit

Tube Fitting Remote Pilot



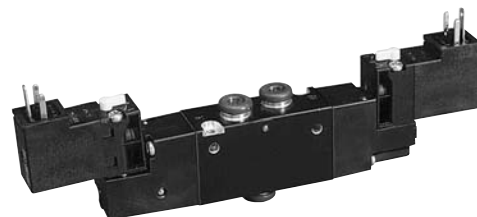
- "YY" Option
- 5/32" (4mm) Tube Fitting



Inline Valve Tube Fitting



- 1/4" Tube Fitting (B3)
- 3/8" or 8mm Tube Fitting (B4)
- Cylinder Ports and / or Inlet / Exhaust Ports



**B5, B6, B7, B8 ("E" Option)
 Intrinsically Safe Solenoid Valves**

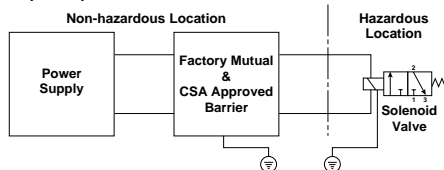
Hazardous Location Class:
Class I; Groups A, B, C & D
Class II; Groups E, F, & G
Class III; Div. I

For use in low voltage (24VDC) Intrinsically Safe applications.
 NO OTHER VOLTAGE IS APPROVED.

Comes standard with non-lighted solenoid connector.

Must be connected to an FM approved Barrier.

For dimensions, reference standard solenoid models.
 Maximum internally piloted valve pressure is 115 PSIG.
 Pressures to 145 PSIG can be used when external pilot is
 utilized and pilot pressure is limited to 115 PSIG.



Notes:

1. Maximum non-hazardous location voltage not to exceed 250V RMS.
2. Connect per Barrier Manufacturers instructions.
3. Factory Mutual requires connections per ISA RP 12.6 instructions.
4. CSA requires "Installation to be in accordance with the Canadian Electrical Code, Part I."

**B5, B6, B7, B8 ("F" Option)
 Hazardous Duty Solenoid Valves**

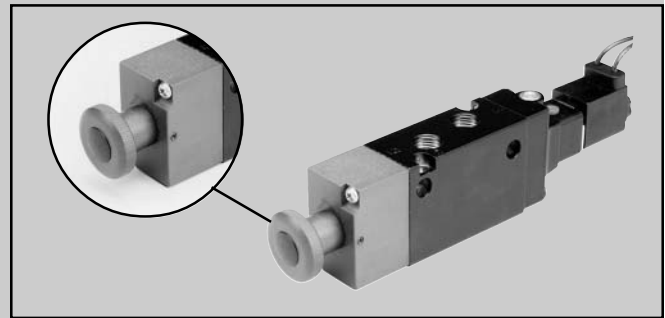
Hazardous Location Class:
Class I; Zone I EX, M, II & T4
Class I; Groups A, B, C, & D
Class II & III; Div. I, Groups E, F, & G
Comes standard with non-lighted solenoid connector.

Voltage Range = +10° +/- 10%
 Ambient Temp. Range = -20°C (-4°F) to 60°C (140°F)
 Duty Factor = 100%
 IP65 Rated (with Connected Conduit Connector)

B5 With Manual Detent

Features:

- Positive mechanical contact of the override knob assures actuation of valve, however, knob does not move during normal cycling.
- Hard coated override to resist harsh environments.
- Override return spring is stainless steel, for harsh environments.
- Heavy duty locking mechanism to maintain position.



B3 Dual 3-Way

Features:

- Up to 50% Reduction of Space
- Proven WCS Spool Design
- Can Easily Modify Internal Pilot Double Solenoid 4-Way Valves in the Field to Dual 3/2 Valves Using the Following Kits –
 NC: **PS297103P** and NO: **PS297104P**

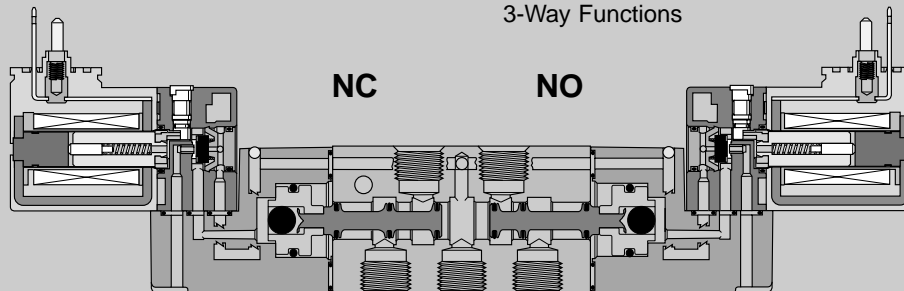
Applications:

- Control of Rod Lock Cylinders
- Paint Spray Systems
- Air Motor Control
- Piloting of Process Control Valves

Operation:

Combines the functions of Two 3-Way valves into to **One valve body**. The valve can be configured as

- Two Normally Closed 3-Way Functions
- Two Normally Open 3-Way Functions
- One Normally Closed *AND* One Normally Open 3-Way Functions



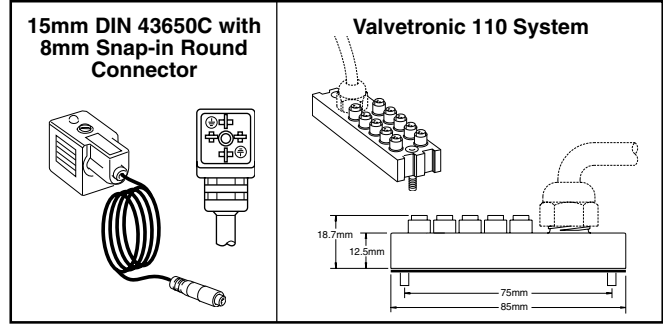
Shown De-Energized

Female Electrical Connectors

Valvetronic 110 System

Connector	Description
9121719035	15mm DIN 43650C with 8mm Snap-in Round Connector, .3 (12") Meter Cable
9121719001	Valvetronic 110 Connection Block with 3 Meter Cable

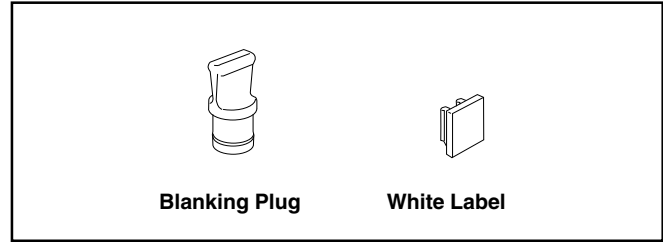
Note: Rated up to 24VDC; 4 amp max.
 IP65 rated when properly installed.
 Can be mounted on the side of some bar manifolds.
 Please consult factory for availability



Blanking Plugs and Labels

(Use with Valvetronic 110)

Model Number	Description
9121719003	Blanking Plugs to close unused connections (Pack of 10)
9121719004	Labels to insert in grooves on side of connection (Pack of 10)

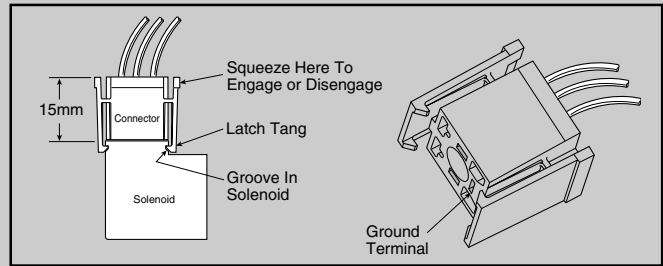


15mm 3-Pin DIN 43650C Quick Connect

(Use with Enclosure "5")

Connector	Description
PS298305P	18 Inch Cord (1/2 Meter)
PS298320P	72 Inch Cord (2 Meter)

Note: Rated up to 135VAC, 55VDC; .75 amp max.
Engineering Data:
 Conductors: 2 Poles Plus Ground
 Contact Spacing: 8mm



15mm 3-Pin DIN 43650C (Use with Enclosure "5")

Connector	Connector with Cord	Description
PS2932BP	PS2932HBP 18 Inches	Unlighted
PS2932BP	PS2932JBP 6 Feet	Unlighted
PS294675BP	PS2946J75BP* 6 Feet	Light – 12VAC or DC
PS294679BP	PS2946J79BP* 6 Feet	Light – 24VAC or DC
PS294683BP	PS2946J83BP* 6 Feet	Light – 110/120VAC
PS294687BP	N/A	Light – 240/230VAC

* LED with surge suppression.

Note: Max ϕ 6.5mm (22 gage wire) cable size required for connector w/o 6' (2m) cord.
 IP65 rated when properly installed.

Engineering Data:

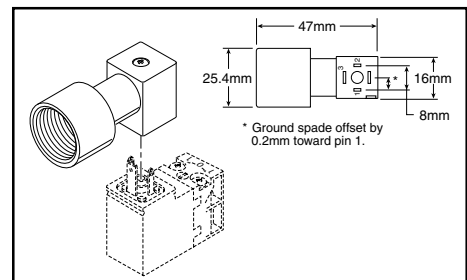
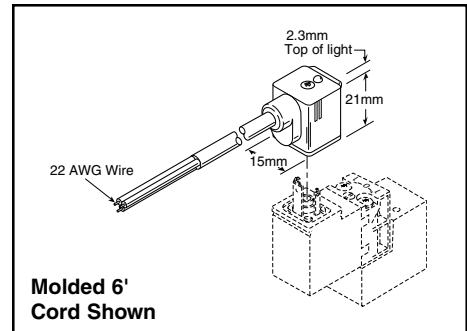
Conductors: 2 Poles Plus Ground
 Cable Range (Connector Only): 4 to 6mm (0.16 to 0.24 Inch)
 Contact Spacing: 8mm

15mm 3-Pin DIN 43650C to 1/2" Conduit

(Use with Enclosure "5")

Connector	Description
PS2998P	1/2" NPTF Conduit – Unlighted with 3' (1m) Leads 20 AWG Wire

Note: Rated up to 250VAC or VDC; 6 Amps
 IP65 rated when properly installed.



Female Electrical Connectors / Accessories

30mm Square 3-Pin – ISO 4400, DIN 43650A

(Use with Enclosure "A")

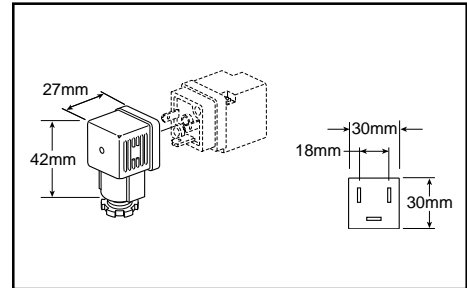
Connector	Connector with 6' (2m) Cord	Description
PS2028BP	PS2028JBP	Unlighted
PS203279BP	PS2032J79BP*	Light – 6-48V, 50/60Hz, 6-48VDC
PS203283BP	PS2032J83BP*	Light – 120V/60Hz
PS203283BP	N/A	Light – 240V/60Hz

* LED with surge suppression.

Note: Max ø6.5mm cable size required for connector w/o 6' (2m) cord. IP65 rated when properly installed.

Engineering Data:

Conductors: 2 Poles Plus Ground; Cable Range (Connector Only): 8 to 10mm (0.31 to 0.39 Inch); Contact Spacing: 18mm



22mm Rectangular 3-Pin – Type B Industrial

(Use with Enclosure "B")

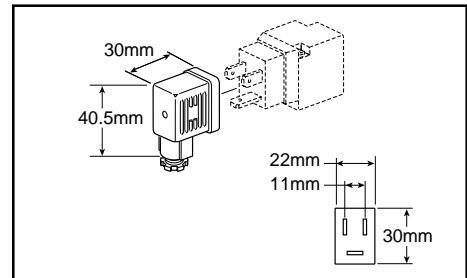
Connector	Connector with 6' (2m) Cord	Description
PS2429BP	PS2429JBP	Unlighted
PS243079BP	PS2430J79BP*	Light – 24V/60Hz, 24VDC
PS243083BP	PS2430J83BP*	Light – 120V/60Hz
PS243087BP	N/A	Light – 240V/60Hz

* LED with surge suppression.

Note: Max ø6.5mm cable size required for connector w/o 6' (2m) cord. IP65 rated when properly installed.

Engineering Data:

Conductors: 2 Poles Plus Ground; Cable Range (Connector Only): 6 to 8mm (0.24 to 0.31 Inch); Contact Spacing: 11mm

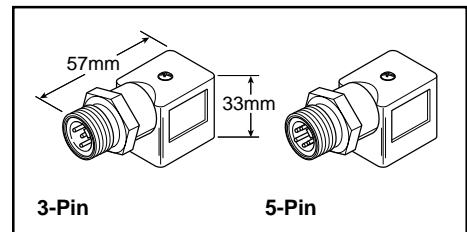


3-Pin / 5-Pin Male Automotive Connectors

(Use on 22mm Rectangular 3-Pin Solenoid)

3-Pin	5-Pin	Description
PS2893CP	PS2893DP	Unlighted
PS2893C##P	PS2893D##P	Lighted - Voltage

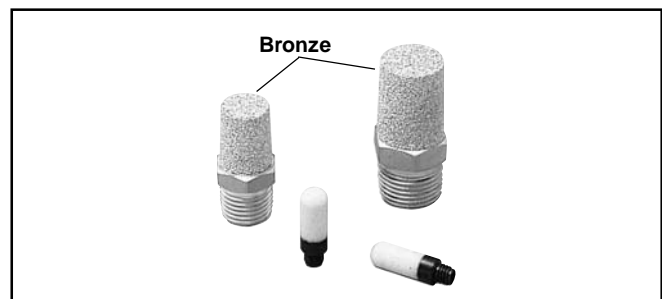
— 75 - 12VDC 83 - 120VAC
 79 - 24VDC & 24VAC 87 - 240VAC



Exhaust Mufflers

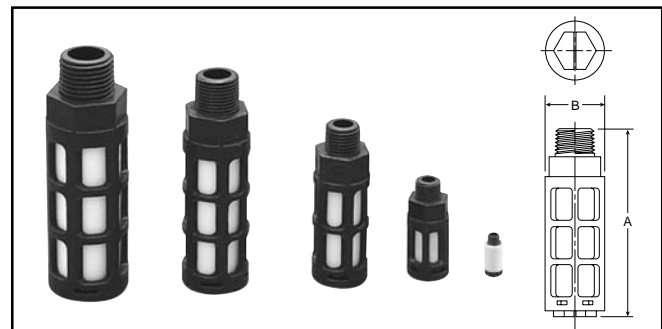
Pipe Thread	Model Number
M5	P6M-PAC5
1/8" NPT	EM12
1/4" NPT	EM25
3/8" NPT	EM37
1/2" NPT	EM50

P6M - Plastic; EM - Sintered Bronze



Plastic Silencers

Thread Size	Part Number		A (mm)	B (mm)
	NPT	BSPT		
M5	AS-5		.43 (11)	.32 (8)
1/8"	ASN-6	AS-6	1.57 (40)	.63 (16)
1/4"	ASN-8	AS-8	2.56 (65)	.83 (21)
3/8"	ASN-10	AS-10	3.35 (85)	.98 (25)
1/2"	ASN-15	AS-15	3.74 (95)	1.18 (30)



Flow Rating (C_v)

Size	Port Size	Mounting Style	2-Position	3-Position
B2	M5	Inline	.15	.13
	1/8" Ports	Subbase	.16	.13
B3	1/8" Ports	Inline	.75	.60
	1/4" Tube	Inline	.45	.45
	1/8" Ports	Subbase	.65	.45
	1/4" Ports	Subbase	.65	.50
B4	1/4" Ports	Inline	1.2	1.1
B5	1/4" Ports	Inline	1.4	1.1
	3/8" Ports	Inline	1.4	1.1
	1/4" Ports	Subbase	1.4	1.1
	3/8" Ports	Subbase	1.4	1.1
B6	3/8" Ports	Inline	2.7	2.1
B7	1/2" Ports	Inline	5.9	5.7
B8	3/4" Ports	Inline	7.0	6.6

Temperature Rating

5°F to 120°F (-15°C to 49°C) ambient.
 (Buna-N and Fluorocarbon)

ANSI / (NFPA) T3.21.3-1990 standard for Cv measurement.

Operating Pressure

Maximum: 145 PSIG (1000 kPa)

Minimum:

Operator/ Function	Internal Pilot	Minimum PSIG (kPa)						
		B2	B3	B4	B5	B6	B7	B8
1, G, H	Single Solenoid - Air Return							
2, A, J, S	Double Solenoid	25 (173)	20 (138)	15 (103)	20 (138)	20 (138)	35 (241)	35 (241)
3, K, L	Single Remote Pilot - Air Return							
4, M	Double Remote Pilot	Vacuum						
N, P, Q	Double Solenoid - Dual 3/2	—	40 (275)	—	—	—	—	—
5, 6, 7	Double Solenoid - APB, CE, PC	35 (241)	30 (207)	25 (173)	30 (207)	30 (207)	45 (310)	45 (310)
8, 9, 0	Double Remote Pilot - APB, CE, PC	Vacuum						
E, V, W	Single Solenoid - Air Return / Spring Assist							
F, X, Y	Single Remote Pilot - Air Return / Spring Assist	25 (173)	35 (241)	28(193)	35 (241)	35 (241)	35 (241)	35 (241)
External Pilot * †								
All	"B" Series	Vacuum						

* External Pilot Pressure / Remote Pilot Signal 35-145 PSIG (241-1000 kPa).

† External Pilot Not Available with B3 Dual 3/2.

Note: For CSA-NRTL/C approved solenoid valves – insert an 'L' at the end of the valve part number.

B2: Maximum pressure - 120 PSI

B3: Maximum pressure - 120 PSI

B5: Maximum pressure - 145 PSI*§

B6: Maximum pressure - 145 PSI*§

B7: No suffix required for CSA**†

B8: No suffix required for CSA**†

* Enclosure Option E is CSA / FM approved at source. For certification of valve / solenoid assembly, consult factory.

† Not Available with Enclosure 5

§ Not available with Enclosures 0, 5 & X

Solenoid Information (Solenoids are rated for continuous duty.)

Voltage			"B" Series Enclosure "5"		Voltage			B5 B6 B7 B8 Enclosure "A"		B5 B6 B7 B8 Enclosure "B" to "R"			
Code	AC		DC	Power Consumption	Holding (Amps)	Code	AC		DC	Power Consumption	Holding (Amps)	Power Consumption	Holding (Amps)
	60Hz	50Hz					60Hz	50Hz					
42	24	22		1.6VA	.065	42	24	24		3.9VA	.136	7.3VA	.309
45			12	1.2W	.098	45			12	2.6W	.208	4.6W	.365
47*			12	.91W	.074	47*			12	—	—	4.9W	.298
48*			24	.91W	.033	48*			24	—	—	4.8W	.142
49			24	1.2W	.049	49			24	2.7W	.112	4.8W	.200
53	120	110		1.6VA	.013	53	120	120		4.1VA	.033	6.3VA	.047
57	240	230		1.6VA	.007	57	230	230		3.7VA	.017	6.4VA	.026

Note: For enclosure "5" with "02" Option, solenoid wattage is 1.8W (2.4VA). Response time is 10% faster. Voltage rated +10 / -15%.

* 47 and 48 code are mobile voltages, voltage +25 / -30%.

Response Time

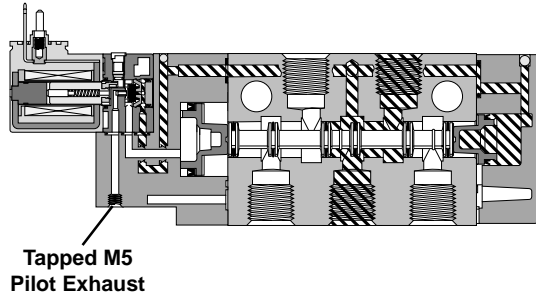
Valve Size	Port Size	Enclosure "5"				Enclosure "A, B, C, D, G, H, Q & R"			
		0 Cu. In. Test Chamber		25* Cu. In. Test Chamber		0 Cu. In. Test Chamber		25* Cu. In. Test Chamber	
		Fill	Exhaust	Fill	Exhaust	Fill	Exhaust	Fill	Exhaust
2-Position Single Solenoid / Internal Air Return									
B2	M5	—	—	—	—	—	—	—	—
B3	1/8"	.024	.026	.149	.242	—	—	—	—
B4	1/4"	.038	.038	.104	.151	—	—	—	—
B5	1/4"	.038	.040	.106	.156	.025	.026	.090	.142
B5*	3/8"	.039	.041	.150	.245	.025	.027	.141	.241
B6*	3/8"	.037	.038	.096	.132	.016	.018	.084	.119
B7	1/2"	.073	.075	.195	.275	.049	.051	.167	.249
B8	3/4"	.072	.074	.166	.226	.049	.051	.142	.206
2-Position Single Solenoid Spring / Air Return									
B2	M5	.019	.023	.455	.864	—	—	—	—
B3	1/8"	.019	.022	.128	.217	—	—	—	—
B4	1/4"	.038	.039	.105	.155	—	—	—	—
B5	1/4"	.039	.041	.108	.162	.024	.026	.091	.143
B5*	3/8"	.040	.042	.169	.261	.024	.026	.143	.240
B6*	3/8"	.035	.036	.096	.133	.023	.024	.083	.120
B7	1/2"	.071	.074	.194	.275	.049	.051	.167	.249
B8	3/4"	.072	.074	.176	.239	.046	.048	.142	.204
2-Position Double Solenoid									
B2	M5	.012	.019	.441	.882	—	—	—	—
B3	1/8"	.013	.015	.122	.213	—	—	—	—
B4	1/4"	.023	.024	.085	.134	—	—	—	—
B5	1/4"	.016	.018	.082	.132	.012	.014	.077	.128
B5*	3/8"	.016	.018	.129	.222	.016	.018	.128	.225
B6*	3/8"	.016	.017	.074	.110	.012	.013	.071	.107
B7	1/2"	.026	.028	.145	.228	.022	.024	.138	.225
B8	3/4"	.026	.028	.123	.185	.022	.024	.115	.178
3-Position Double Solenoid									
B2	M5	—	—	—	—	—	—	—	—
B3	1/8"	.021	.023	.091	.141	—	—	—	—
B4	1/4"	.031	.032	.091	.177	—	—	—	—
B5	1/4"	.022	.023	.091	.141	.011	.011	.079	.135
B5*	3/8"	.022	.024	.135	.229	.016	.019	.135	.234
B6*	3/8"	.024	.026	.094	.139	.016	.018	.084	.132
B7	1/2"	.049	.051	.167	.257	.028	.030	.148	.238
B8	3/4"	.035	.037	.136	.206	.028	.030	.130	.195

Average Fill Time (Seconds): With 100 PSIG supply, time required to fill from 0-90 PSIG and exhaust from 100 PSIG to 10 PSIG is measured from instant of energizing, or de-energizing 120V/60Hz solenoid. Times shown are average.

* For 3/8" ported, 50 cu. in. test chamber is used. For 1/2" & 3/4", a 200 cu. in. test chamber is used.



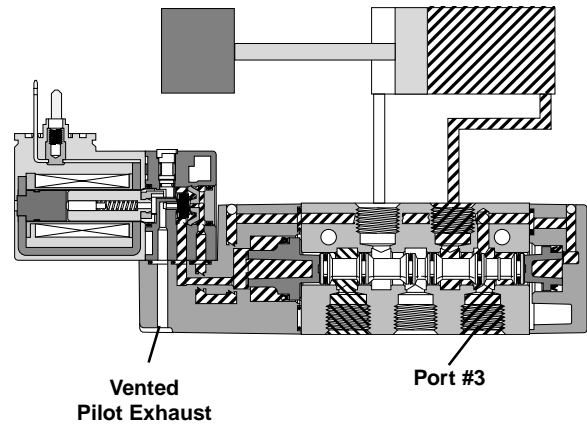
A - Internal - Port #1 / Tapped M5



B5 Shown

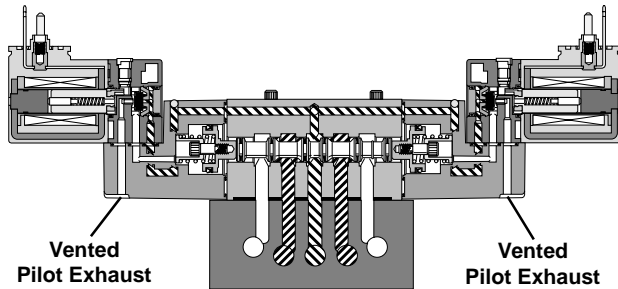
E - Dual Pressure - Port #3 / Vented

***H - Dual Pressure - Port #5 / Vented (Similar)**



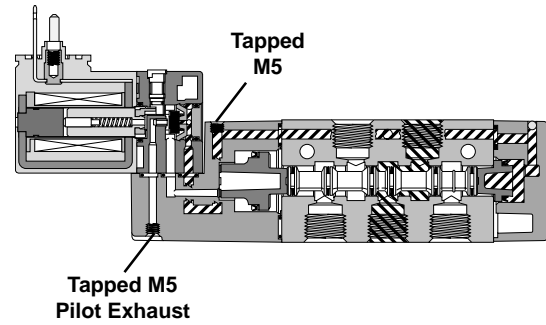
B3 Shown

B - Internal - Port #1 / Vented



B3 Shown

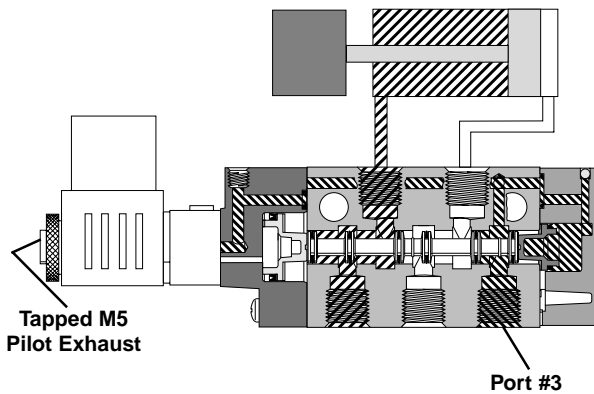
K - External - Body / Tapped M5



B3 Shown

D - Dual Pressure - Port #3 / Tapped M5

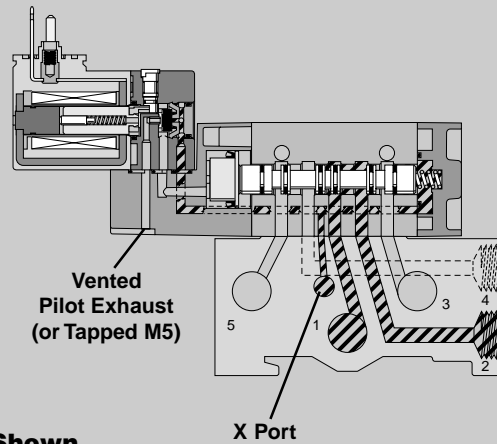
***G - Dual Pressure - Port #5 / Tapped M5 (Similar)**



B5 Shown

X - External - Manifold / Vented

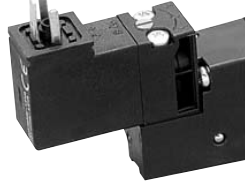
W - External - Manifold / Tapped M5



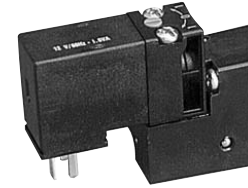
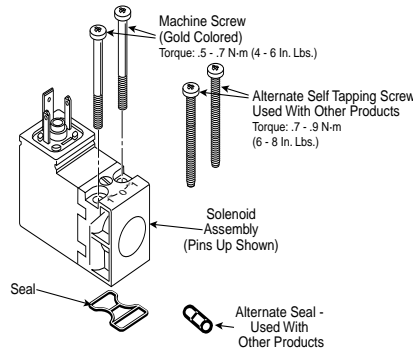
B2 Shown

Solenoid Kits – B3 'C', B4 'A', B5 'C', B6 'A', B7 'A', B8 'A'

3-Pin DIN 43650C 15mm



STANDARD



"02" OPTION

**PS2982*##P –
 Enclosure '5'**

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

S - Standard; O - Option

* Mobile Voltage

Kit Includes: Solenoid, (2) Machine Screws, (2) Self Threading Screws, (1) Gasket, (1) 3-cell Gasket.

**PS3541*##P –
 Enclosure '5' with "02" Option**

* Override	## Voltage			
	42	45	49	53
B	O	O	S	S
C	O	O	S	S
D	–	–	O	O
E	–	–	O	O

PS3441*##P

* Override	## Voltage
B	O
C	O
D	–
E	–

Alternate Enclosures



"A & E" 30mm 3-Pin



"C" 3-Pin Mini



"G", "Q" Grommet



"B" 22mm 3-Pin



"D" 5-Pin Mini



"F", "H", "R" 1/2" Conduit

Enclosure 'A' thru 'R'

Part No.	Description	## Voltage						
		42 24VAC	45 12VDC	47 12VDC*	48 24VDC*	49 24VDC	53 120VAC	57 230VAC
PS2828A##P	30mm 3-Pin DIN 43650A	O	O	–	–	S	S	O
PS2828B##P	22mm 3-Pin DIN 43650 Industrial	O	O	–	O	S	S	O
PS2828E49P	Intrinsically Safe - 30mm, 3-Pin	–	–	–	–	O	–	–
PS2828F##P	Hazardous Duty - 1/2" Conduit - 18" Leads	–	O	–	–	O	O	O
PS2828G##P	Grommet - 18" Lead	O	O	O	O	S	S	O
PS2828H##P	1/2" Conduit - 18" Lead	O	O	O	–	S	S	O
PS2828Q##P	Grommet - 72" Lead	O	O	O	O	O	O	O
PS2828R##P	1/2" Conduit - 72" Lead	O	O	O	–	O	O	O

S - Standard; O - Option

* Mobile Voltage



B2 Series

Spool / Body Service Kits

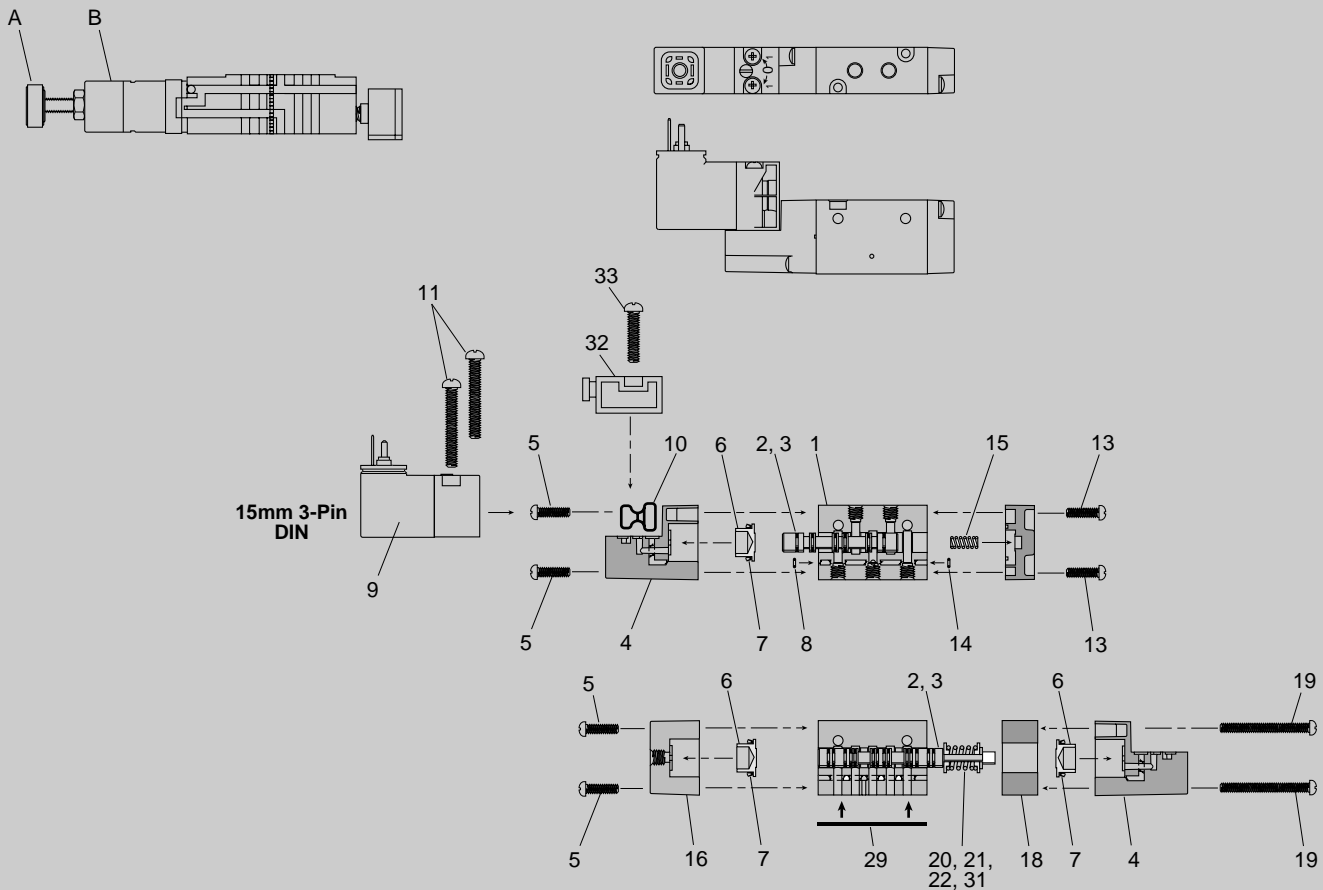
PS4401P	4-Way, 2-Pos	<i>Kit Includes:</i> Item 2, 7 (2), 8 (2), 14, 15, 17 (2) grease packet
PS4402P	4-Way, 3-Pos APB	Item 2, 7 (2), 8 (2), 17 (2), 20 (2), 21 (2), 22 (2), grease packet
PS4403P	4-Way, 3-Pos CE	Item 2, 7 (2), 8 (2), 17 (2), 20 (2), 21 (2), 22 (2), grease packet
PS4404P	4-Way, 3-Pos PC	Item 2, 7 (2), 8 (2), 17 (2), 20 (2), 21 (2), 22 (2), grease packet
PS447100P	3-Way, 2-Pos, Dbl Operator	Item 2, 7 (2), 8 (2), 17 (2) grease packet
PS447101P	3-Way, 2-Pos, NC	Item 2, 7, 8, 15, 17 grease packet
PS447102P	3-Way, 2-Pos, NO	Item 2, 7, 8, 15, 17 grease packet

Valve to Manifold Kits

PS4486P	Gasket (10) - Subbase / Inline Valve, Sand Regulator
PS4487P	Mounting Bolts (10) - Inline Valve
PS4488P	Mounting Bolts (10) - Subbase Valve

Sandwich Regulator Cartridge Kit

PS299922P	2-60 PSI Cartridge (Item A, B)
PS299933P	5-125 PSI Cartridge (Item A, B)



ITEM LIST – Parts not sold separately.

Item	Description	Item	Description	Item	Description
1	Inline Body - Tapped Ports	9*	15mm Solenoid (see Page 27)	20*	Bearing - 3-Position
2*	Spool - 2-Position (Seals Assembled)	10*	Gasket - Solenoid to Adapter	21*	Spring - 3-Position
3*	Spool Seal	11*	Self Tapping Screw - Solenoid	22*	Retaining Ring - 3-Position
4a	Solenoid Adapter - Vent Exhaust	12	Return Operator	29*	Gasket - Subbase Valve to Base
4b	Solenoid Adapter - Ext Pilot, Tapped Exhaust	13	Screws - Return Operator	30*	Screws - Subbase Valve (M2 x 28mm)
4c	Solenoid Adapter - Tapped Exhaust	14*	Gasket - Return Operator	31	Wear Ring - 3-Position
5	Screws - Operator Adapter	15*	Spring, Return Assist	32	Remote Pilot Adapter - 5/32" Tube (PVAP111)
6a	Operator Piston - 2-Position	16	Remote Pilot Operator	33	Screws - Remote Pilot Adapter
6b	Operator Piston - 3-Position	17*	O-ring - Remote Pilot		
7*	Lip Seal - Operator Piston	18	Adapter - 3-Position		
8*	Gasket - Body to Operator	19	Screws - 3-Position Adapter		

Note: * Parts are available in kits shown. For kit components, order VALVE LESS SOLENOID for assembled and tested repair valve.



B3 Series

Spool / Body Service Kits

		<i>Kit Includes:</i>
PS2901CP	4-Way, 2-Pos	Item 15, 21 (2), 24, 25, 31 (2), grease packet
PS2902CP	4-Way, 3-Pos APB	Item 16, 21 (2), 31 (2), grease packet
PS2903CP	4-Way, 3-Pos CE	Item 16, 21 (2), 31 (2), grease packet
PS2904CP	4-Way, 3-Pos PC	Item 16, 21 (2), 31 (2), grease packet
PS2971CP	3-Way, 2-Pos	Item 15, 21 (2), 24, 25, 31 (2), grease packet

Valve to Manifold Kits

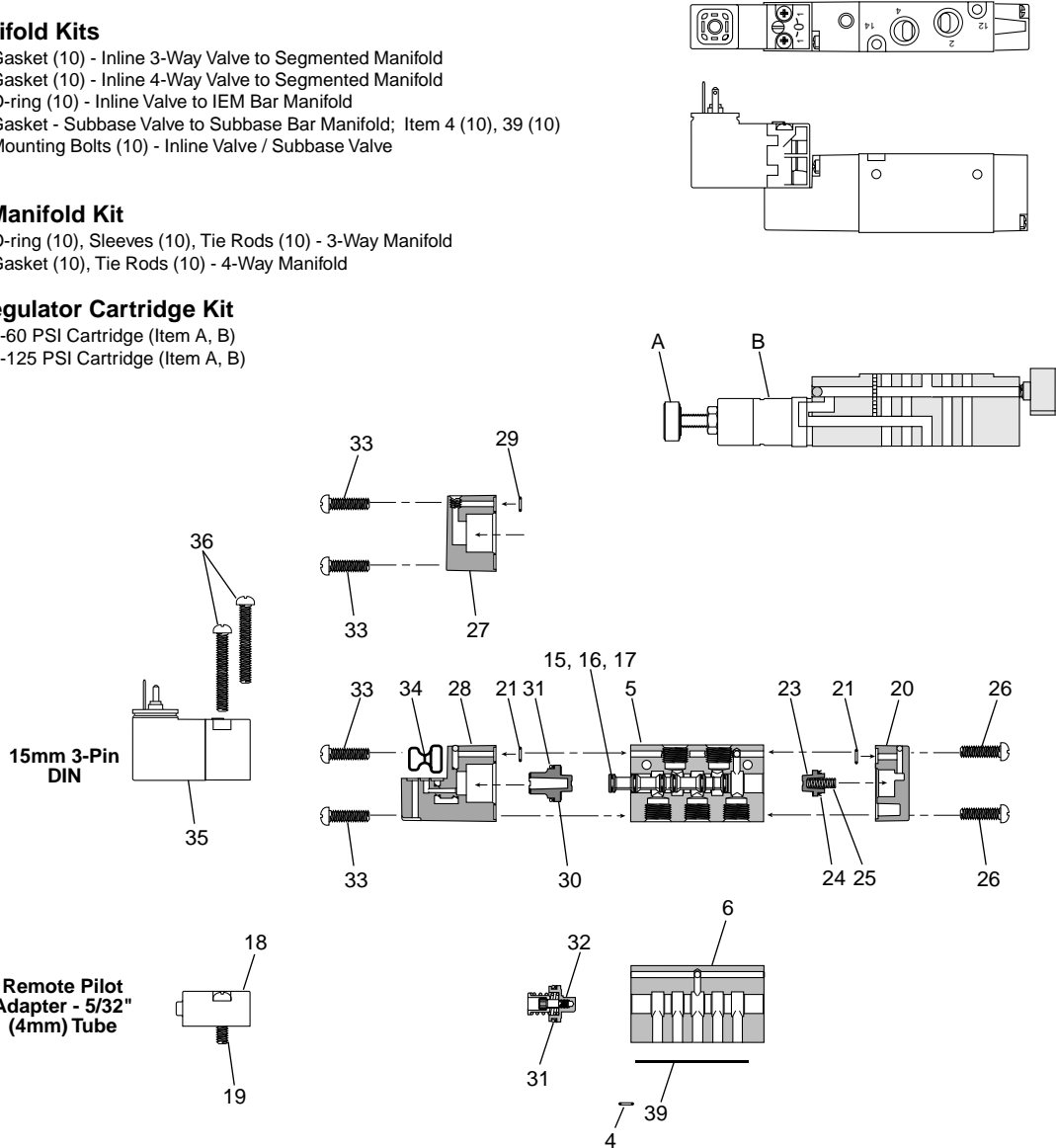
PS2980P	Gasket (10) - Inline 3-Way Valve to Segmented Manifold
PS2981P	Gasket (10) - Inline 4-Way Valve to Segmented Manifold
PS2984P	O-ring (10) - Inline Valve to IEM Bar Manifold
PS2986P	Gasket - Subbase Valve to Subbase Bar Manifold; Item 4 (10), 39 (10)
PS2987P	Mounting Bolts (10) - Inline Valve / Subbase Valve

Manifold to Manifold Kit

PS2995P	O-ring (10), Sleeves (10), Tie Rods (10) - 3-Way Manifold
PS2996P	Gasket (10), Tie Rods (10) - 4-Way Manifold

Sandwich Regulator Cartridge Kit

PS299922P	2-60 PSI Cartridge (Item A, B)
PS299933P	5-125 PSI Cartridge (Item A, B)



ITEM LIST – Parts not sold separately.

Item	Description	Item	Description	Item	Description
4*	O-ring - Ext Pilot Valve to Manifold	23	Return Piston	31*	Lip Seal - Operator Piston
5	Inline Body - Tapped Ports	24*	Lip Seal - Return Piston	32	Operator Piston Mechanism - 3-Position
6	Subbase Body	25*	Spring, Return Assist	33	Screws - Operator Adapter
7	Inline Body - Tube Ports	26	Screws - Return Operator	34*	Gasket - Solenoid to Adapter
15*	Spool - 2-Position (Seals Assembled)	27	Remote Pilot Operator	35*	15mm Solenoid (see Page 27)
16*	Spool - 3-Position (Seals Assembled)	28a	Solenoid Adapter - Vent Exhaust	36*	Self Tapping Screw - Solenoid (Effective May 99)
17*	Spool Seal	28b	Solenoid Adapter - Ext Pilot, Vent Exhaust	36*	Machine Screw - Solenoid (Jan 96 - May 99)
18	Remote Pilot Adapter (PVAP111)	28c	Solenoid Adapter - Ext Pilot, Tapped Exhaust	39*	Gasket - Subbase Valve to Base
19	Screw - Remote Pilot Adapter	28d	Solenoid Adapter - Tapped Exhaust	40*	Mounting Screws - Subbase Valve
20	Return Operator	29	O-ring - Remote Pilot		
21*	Gasket - Body to Operator	30	Operator Piston - 2-Position		

Note: * Parts are available in kits shown. For kit components, order VALVE LESS SOLENOID for assembled and tested repair valve.



B4 Series

Spool / Body Service Kits

Kit Includes:

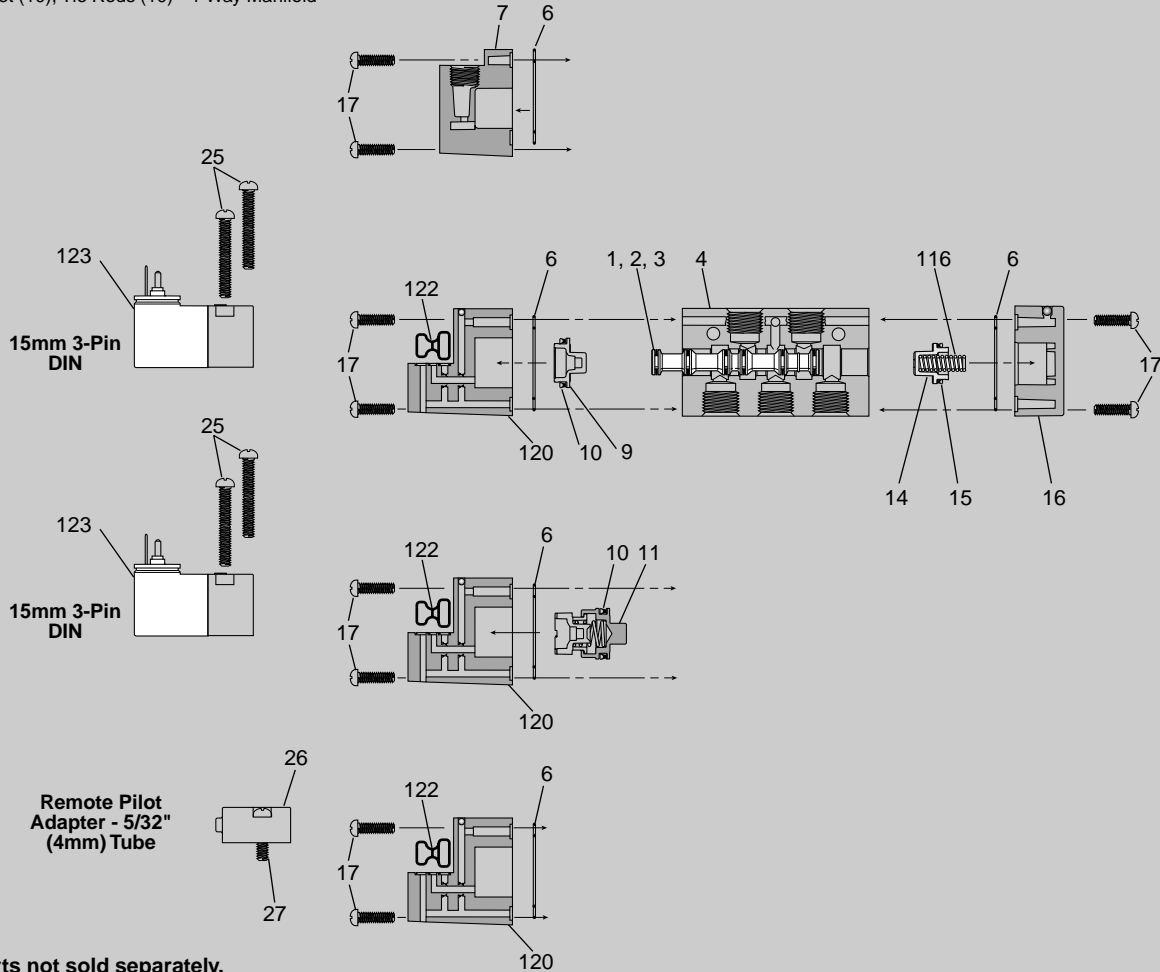
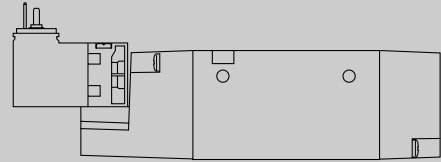
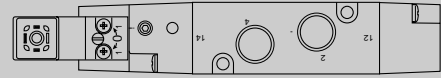
PS4501P	4-Way, 2-Pos	Item 2, 10 (2), 15, 116, 6 (2), grease packet
PS4502P	4-Way, 3-Pos APB	Item 3, 6 (2), 10 (2), grease packet
PS4503P	4-Way, 3-Pos CE	Item 3, 6 (2), 10 (2), grease packet
PS4504P	4-Way, 3-Pos PC	Item 3, 6 (2), 10 (2), grease packet
PS4571P	3-Way, 2-Pos	Item 2, 10 (2), 15, 116, 6 (2), grease packet

Valve to Manifold Kits

PS4580P	Gasket (10) - Inline 3-Way Valve to Segmented Manifold
PS4581P	Gasket (10) - Inline 4-Way Valve to Segmented Manifold
PS4584P	O-ring (10) - Inline Valve to IEM Bar Manifold
PS4587P	Mounting Bolts (10) - Inline Valve to IEM Manifold

Manifold to Manifold Kit

PS4595P	Gasket (10), Tie Rods (10) - 3-Way Manifold
PS4596P	Gasket (10), Tie Rods (10) - 4-Way Manifold



ITEM LIST – Parts not sold separately.

Item	Description	Item	Description
1*	Spool Seal		(Effective May 99)
2*	Spool - 2-Position (Seals Assembled)	26	Remote Pilot Adapter - 5/32" Tube (PVAP111)
3*	Spool - 3-Position (Seals Assembled)	27	Screws - Remote Pilot Adapter
4	Inline Body	116*	Spring, Return Assist
6*	Gasket - Body to Operator	120a	Solenoid Adapter - Vent Exhaust
7	Remote Pilot Operator	120b	Solenoid Adapter - Tapped Exhaust
9	Operator Piston - 2-Position	120d	Solenoid Adapter - Ext Pilot, Vent Exhaust
10*	Lip Seal - Operator Piston	120e	Solenoid Adapter - Ext Pilot, Tapped Exhaust
11	Operator Piston Mechanism - 3-Position	122*	Gasket - Solenoid to Adapter
14	Return Piston	123*	15mm Solenoid (see Page 27)
15*	Lip Seal - Return Piston		
16	Return Operator		
17*	Screws - Operator Adapter - 2-Position		
25*	Self Tapping Screw - Solenoid		

Note: * Parts are available in kits shown. For kit components, order VALVE LESS SOLENOID for assembled and tested repair valve.

B5 Series

Spool / Body Service Kits

- PS2801*P 4-Way, 2-Pos
- PS2802*P 4-Way, 3-Pos APB
- PS2803*P 4-Way, 3-Pos CE
- PS2804*P 4-Way, 3-Pos PC
- PS2871*P 3-Way, 2-Pos NC

Kit Includes:

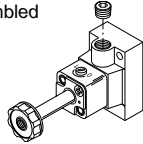
- Item 2, 10 (2), 15, 116, 6 (2), grease packet
- Item 3, 6 (2), 10 (2), 13 (2), grease packet
- Item 3, 6 (2), 10 (2), 13 (2), grease packet
- Item 3, 6 (2), 10 (2), 13 (2), grease packet
- Item 2, 10 (2), 15, 116, 6 (2), grease packet

* Viton Seal Kit (i.e. PS2801VP)

Pilot Replacement Kit – Alternate Enclosure

Kit Includes: Item 6, 9, 10, 11, 17 (2), 18 (2), 13, 19, 20, 22, 23, 24 (2), 57, 58 Assembled

- PS2897GBP Non-Locking, BSPP
- PS2897GCP Locking, BSPP
- PS2897NBP Non-Locking, NPT
- PS2897NCP Locking, NPT



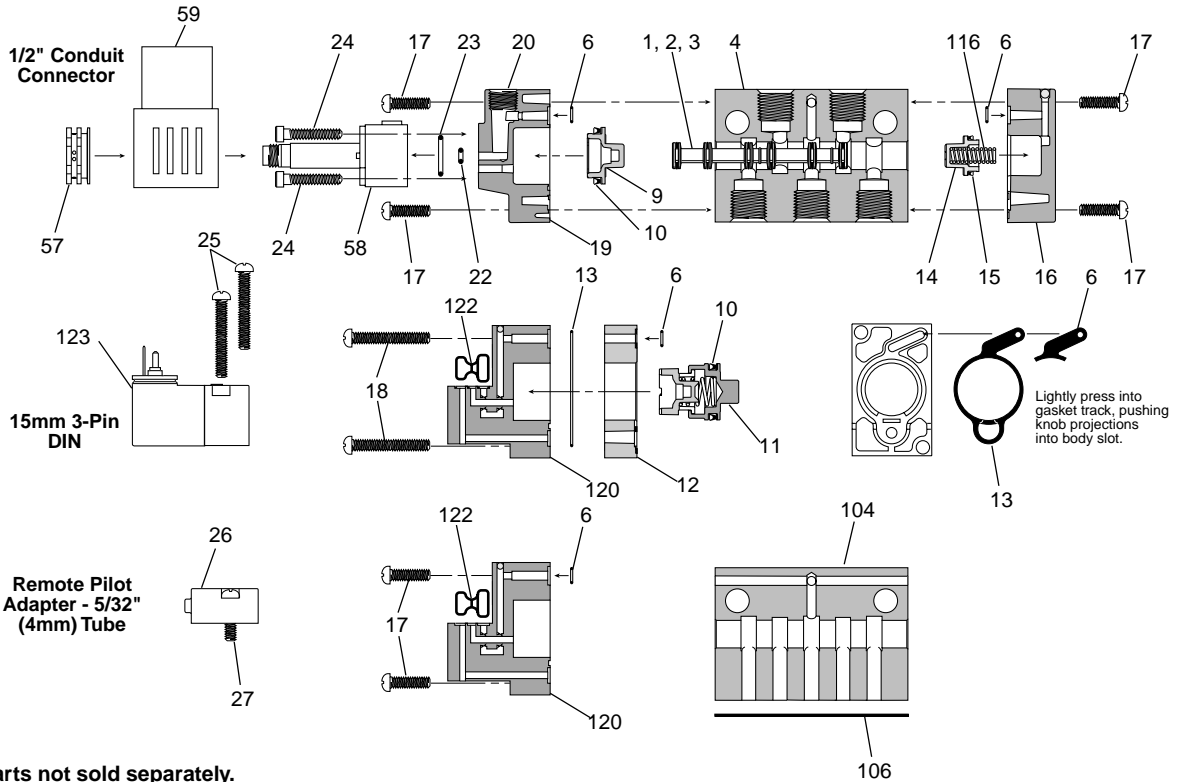
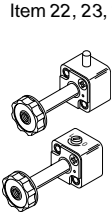
Armature / Override Kit

Kit Includes: Item 22, 23, 24 (2), 57, 58 Assembled

- PS2844BP Non-Locking

- PS2844CP Locking

- PS2892P Solenoid Nut - Item 57 (10)



ITEM LIST – Parts not sold separately.

Item	Description	Item	Description	Item	Description
1*	Spool Seal	17*	Screws - Operator Adapter - 2-Position	58a*	Solenoid Base Assembly - Locking
2*	Spool - 2-Position (Seals Assembled)	18*	Screws - Operator Adapter - 3-Position	58b*	Solenoid Base Assembly - Non Locking
3*	Spool - 3-Position (Seals Assembled)	19*	Operator Adapter - Alt Enclosure	59*	Coil - Alternate Enclosure (see Page 27)
4	Inline Body	20*	1/8" NPT Pipe Plug	104	Subbase Body
6*	Gasket - Body to Operator	22*	O-ring - Small - Solenoid Base	106*	Gasket - Subbase Valve to Base
7	Remote Pilot Operator	23*	O-ring - Large - Solenoid Base	116*	Spring, Return Assist
9	Operator Piston - 2-Position	24*	Bolts - Solenoid Base	120a	Solenoid Adapter - Vent Exhaust
10*	Lip Seal - Operator Piston	25a*	Self Tapping Screw - Solenoid (Effective May 99)	120b	Solenoid Adapter - Tapped Exhaust
11	Operator Piston Mechanism - 3-Position	25b*	Machine Screw - Solenoid (Jan 96 - May 99)	120d	Solenoid Adapter - Ext Pilot, Vent Exhaust
12	Adapter - 3-Position	26	Remote Pilot Adapter - 5/32" Tube (PVAP111)	120e	Solenoid Adapter - Ext Pilot, Tapped Exhaust
13*	Gasket - 3-Position Adapter to Body	27	Screws - Remote Pilot Adapter	122*	Gasket - Solenoid to Adapter
14	Return Piston	57*	Solenoid Nut	123*	15mm Solenoid (see Page 27)
15*	Lip Seal - Return Piston				
16	Return Operator				

Note: * Parts are available in kits shown. For kit components, order VALVE LESS SOLENOID for assembled and tested repair valve.

B6 Series

Spool / Body Service Kits

- PS2601*P 4-Way, 2-Pos
- PS2602*P 4-Way, 3-Pos APB
- PS2603*P 4-Way, 3-Pos CE
- PS2604*P 4-Way, 3-Pos PC
- PS267101*P 3-Way, 2-Pos, NC
- PS267102*P 3-Way, 2-Pos, NO

Kit Includes:

- Item 2, 6 (2), 9 (2), 11, 14, grease packet
- Item 3, 6 (2), 9 (2), 13 (2), grease packet
- Item 3, 6 (2), 9 (2), 13 (2), grease packet
- Item 3, 6 (2), 9 (2), 13 (2), grease packet
- Item 2, 6, 9, 14, grease packet
- Item 2, 6, 9, 14, grease packet

* Viton Seal Kit (i.e. PS2801VP)

Valve to Manifold Kits

- PS2684P O-ring (10) - Inline Valve to IEM Manifold
- PS2887P Mounting Bolts (10) - Inline Valve

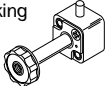
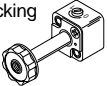
Pilot Replacement Kit – Alternate Enclosure

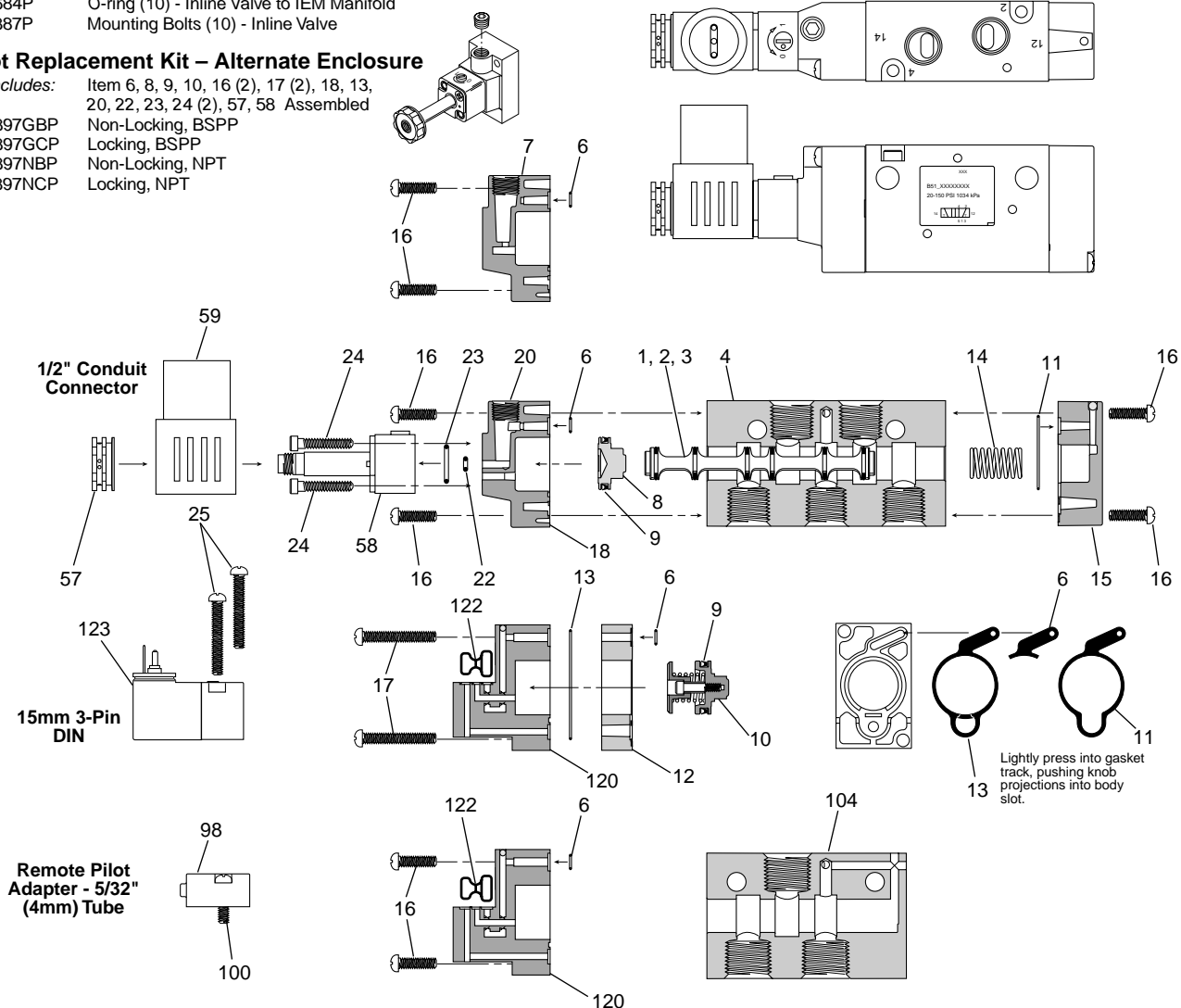
- Kit Includes:* Item 6, 8, 9, 10, 16 (2), 17 (2), 18, 13, 20, 22, 23, 24 (2), 57, 58 Assembled

- PS2897GBP Non-Locking, BSPP
- PS2897GCP Locking, BSPP
- PS2897NBP Non-Locking, NPT
- PS2897NCP Locking, NPT

Armature / Override Kit –

- Kit Includes:* Item 22, 23, 24 (2), 57, 58 Assembled

- PS2844BP Non-Locking 
- PS2844CP Locking 
- PS2892P Solenoid Nut - Item 57 (10)



ITEM LIST – Parts not sold separately.

Item	Description	Item	Description	Item	Description
1*	Spool Seal	15a	Return Operator	58b*	Solenoid Base Assembly - Non Locking
2*	Spool - 2-Position (Seals Assembled)	15b	Return Operator - CSA Option	59*	Coil - Alternate Enclosure (see Page 26)
3*	Spool - 3-Position (Seals Assembled)	16*	Screws - Operator Adapter - 2-Position	98*	Remote Pilot Adapter - 5/32" Tube (PVAP111)
4	Inline Body - 4-Way	17*	Screws - Operator Adapter - 3-Position	100	Screws - Remote Pilot Adapter
6*	Gasket - Body to Operator	18*	Operator Adapter - Alt Enclosure	104	Inline Body - 3-Way
7	Remote Pilot Operator	20*	1/8" NPT Pipe Plug	120a	Solenoid Adapter - Vent Exhaust
8	Operator Piston - 2-Position	22*	O-ring - Small - Solenoid Base	120b	Solenoid Adapter - Tapped Exhaust
9*	Lip Seal - Operator Piston	23*	O-ring - Large - Solenoid Base	120c	Solenoid Adapter - Ext Pilot, Vent Exhaust
10	Operator Piston Mechanism - 3-Position	24*	Bolts - Solenoid Base	120d	Solenoid Adapter - Ext Pilot, Tapped Exhaust
11*	Gasket - Body to Return Cap	25*	Self Tapping Screw - Solenoid (Effective Jan 00)	122*	Gasket - Solenoid to Adapter
12	Adapter - 3-Position	57*	Solenoid Nut	123*	15mm Solenoid (see Page 26)
13	Gasket - 3-Position Adapter to Body	58a*	Solenoid Base Assembly - Locking		
14*	Spring, Return Assist				

Note: * Parts are available in kits shown. For kit components, order VALVE LESS SOLENOID for assembled and tested repair valve.

B7 & 8 Series

Spool / Body Service Kits

PS2501P	4-Way, 2-Pos	Item 2, 6 (2), 9 (2), 11, 14, grease packet
PS2502P	4-Way, 3-Pos APB	Item 3, 6 (2), 9 (2), 13 (2), grease packet
PS2503P	4-Way, 3-Pos CE	Item 3, 6 (2), 9 (2), 13 (2), grease packet
PS2504P	4-Way, 3-Pos PC	Item 3, 6 (2), 9 (2), 13 (2), grease packet
PS257101P	3-Way, 2-Pos, NC	Item 2, 6, 9, 14, grease packet
PS257102P	3-Way, 2-Pos, NO	Item 2, 6, 9, 14, grease packet

Kit Includes:

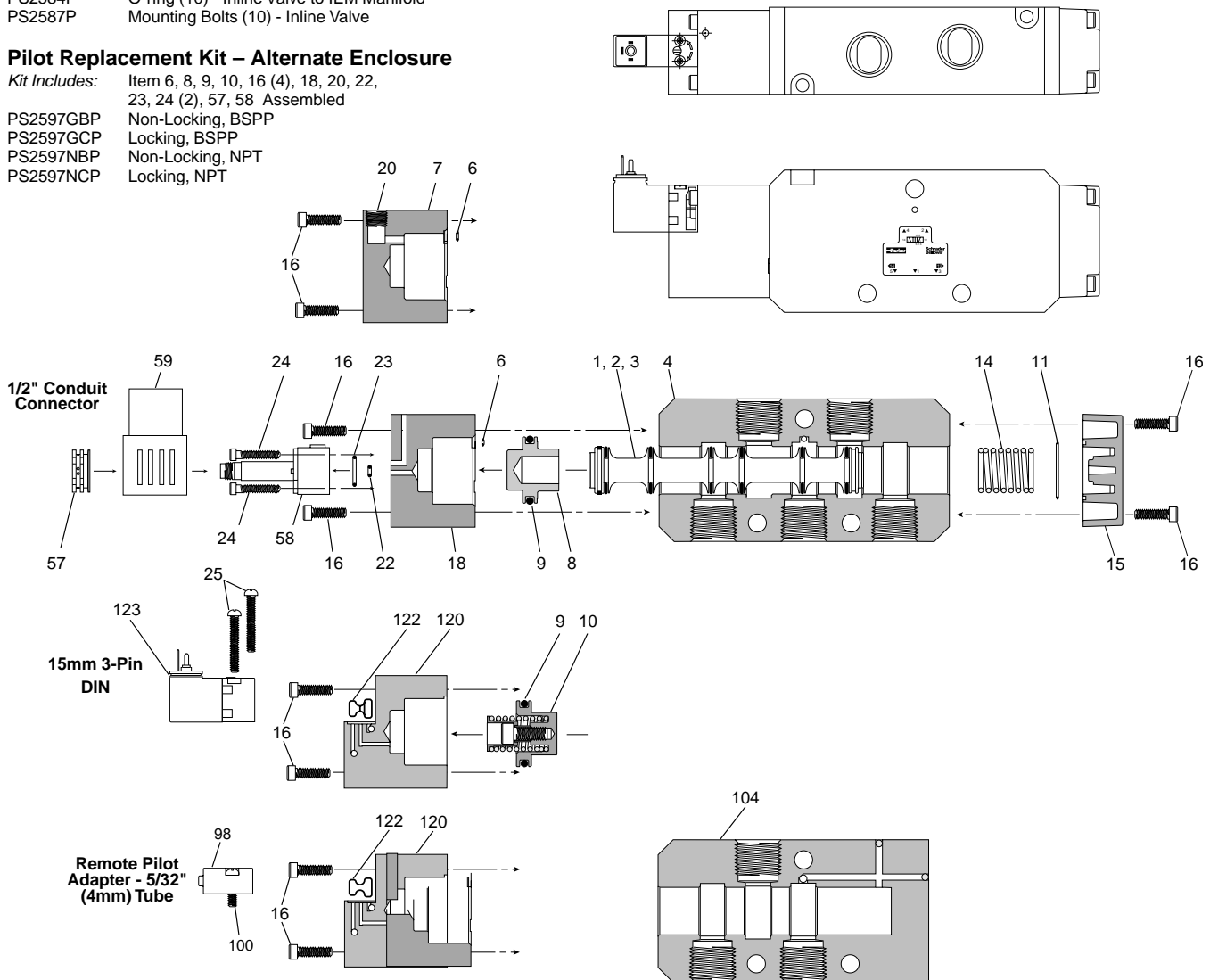
Valve to Manifold Kits

PS2584P	O-ring (10) - Inline Valve to IEM Manifold
PS2587P	Mounting Bolts (10) - Inline Valve

Pilot Replacement Kit – Alternate Enclosure

Kit Includes: Item 6, 8, 9, 10, 16 (4), 18, 20, 22, 23, 24 (2), 57, 58 Assembled

PS2597GBP	Non-Locking, BSPP
PS2597GCP	Locking, BSPP
PS2597NBP	Non-Locking, NPT
PS2597NCP	Locking, NPT



ITEM LIST – Parts not sold separately.

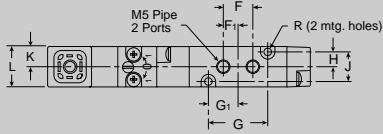
Item	Description	Item	Description	Item	Description
1*	Spool Seal	18*	Operator Adapter - Alt Enclosure	100	Screws - Remote Pilot Adapter
2*	Spool - 2-Position (Seals Assembled)	20*	1/8" NPT Pipe Plug	104	Inline Body - 3-Way
3*	Spool - 3-Position (Seals Assembled)	22*	O-ring - Small - Solenoid Base	120a	Solenoid Adapter - Vent Exhaust
4	Inline Body - 4-Way	23*	O-ring - Large - Solenoid Base	120b	Solenoid Adapter - Tapped Exhaust
6*	Gasket - Body to Operator	24*	Bolts - Solenoid Base	120c	Solenoid Adapter - Ext Pilot, Vent Exhaust
7	Remote Pilot Operator	25*	Self Tapping Screw - Solenoid (Effective Jan 00)	120d	Solenoid Adapter - Ext Pilot, Tapped Exhaust
8	Operator Piston - 2-Position	57*	Solenoid Nut	122*	Gasket - Solenoid to Adapter
9*	Lip Seal - Operator Piston	58a*	Solenoid Base Assembly - Locking	123*	15mm Solenoid (see Page 26)
10	Operator Piston Mechanism - 3-Position	58b*	Solenoid Base Assembly - Non Locking		
11*	Gasket - Body to Return Cap	59*	Coil - Alternate Enclosure (see Page 26)		
14*	Spring, Return Assist	98*	Remote Pilot Adapter - 5/32" Tube (PVAP111)		
15a	Return Operator				
16*	Screws - Operator Adapter				

Note: * Parts are available in kits shown. For kit components, order VALVE LESS SOLENOID for assembled and tested repair valve.

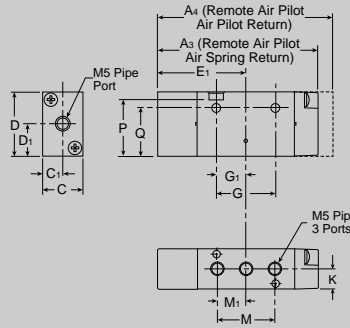
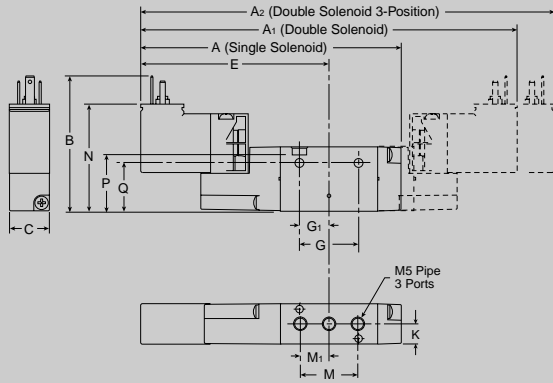
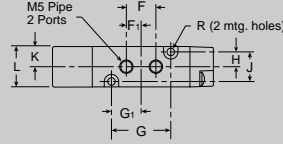


B2 Single & Double Operators 4-Way

Solenoid



Remote Pilot



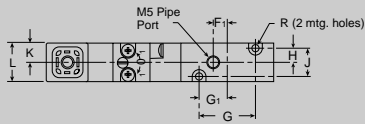
B2 4-Way Inline

A 3.74 (95)	A₁ 5.43 (138)	A₂ 6.06 (154)	A₃ 2.32 (59)	A₄ 2.56 (65)
B 2.00 (51)	C .59 (15)	C₁ .30 (8)	D .94 (24)	D₁ .47 (12)
E 2.72 (69)	E₁ 1.30 (33)	F .43 (11)	F₁ .22 (5)	G .87 (22)
G₁ .43 (11)	H .22 (6)	J .43 (11)	K .30 (8)	L .59 (15)
M .84 (21)	M₁ .43 (11)	N 1.59 (40)	P .83 (21)	Q .71 (18)
R ∅ .11 ∅ (3)				

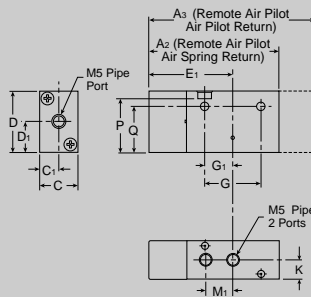
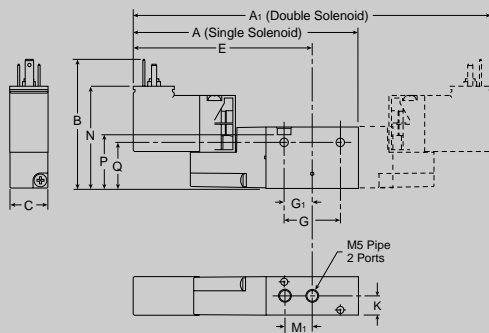
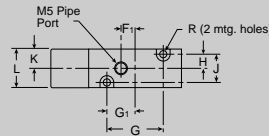
Inches (mm)

B2 Single & Double Operators 3-Way

Solenoid



Remote Pilot



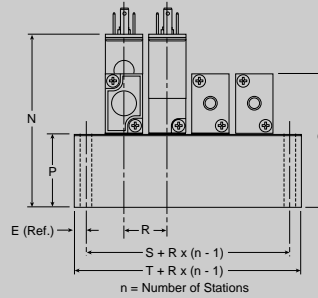
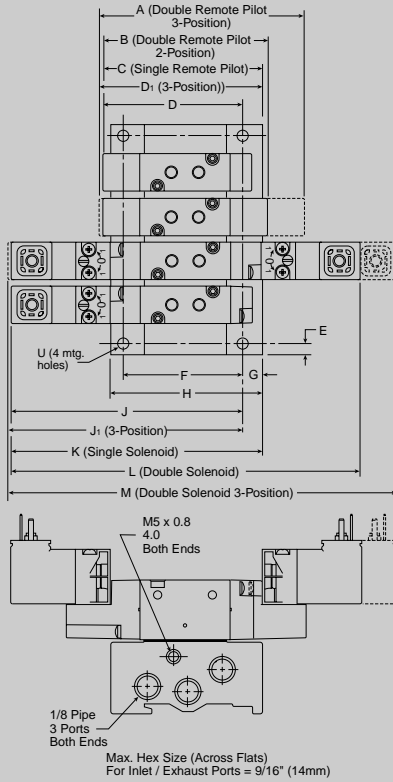
B2 3-Way Inline

A 3.39 (86)	A₁ 5.43 (138)	A₂ 1.97 (50)	A₃ 2.56 (65)	B 2.00 (51)
C .59 (15)	C₁ .30 (8)	D .94 (24)	D₁ .47 (12)	E 2.72 (69)
E₁ 1.30 (33)	F₁ .22 (5)	G .87 (22)	G₁ .43 (11)	H .22 (6)
J .43 (11)	K .30 (8)	L .59 (15)	M₁ .43 (11)	N 1.59 (40)
P .83 (21)	Q .71 (18)	R ∅ .11 ∅ (3)		

Inches (mm)



B2 Single & Double Operators – IEM Aluminum Bar Manifold *



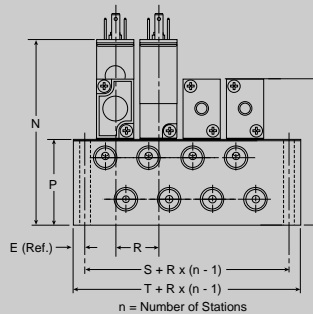
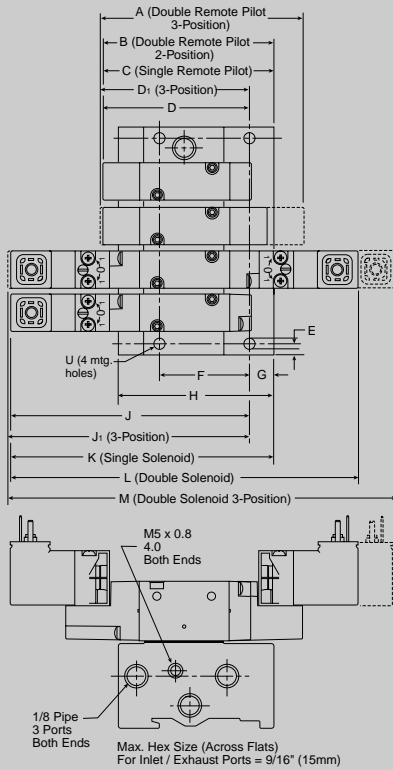
B2 IEM Aluminum Bar Manifold

A	B	C	D	D ₁
3.15 (80,0)	2.51 (63,9)	2.48 (62,9)	2.16 (54,9)	2.23 (56,5)
E	F	G	H	J
.18 (4,5)	1.89 (48,0)	.32 (8,0)	2.40 (61,0)	3.63 (92,2)
J ₁	K	L	M	N
3.69 (93,8)	3.94 (100,2)	5.45 (138,4)	6.09 (154,6)	2.74 (69,6)
P	Q	R	S	T
1.15 (29,3)	2.12 (53,8)	.69 (17,5)	1.18 (30,0)	1.54 (39,0)
U				
∅ .18 ∅ (4,5)				

Inches (mm)

* Use with 3-Way & 4-Way valves.
 Dimensions are the same.

B2 Single & Double Operators – 5-Port Subbase Bar Manifold *



B2 Subbase Bar Manifold

A	B	C	D	D ₁
3.15 (80,0)	2.51 (63,9)	2.68 (68,1)	2.29 (58,1)	2.35 (59,7)
E	F	G	H	J
.18 (4,5)	1.44 (36,5)	.39 (10,0)	2.48 (63,0)	3.76 (95,4)
J ₁	K	L	M	N
3.82 (97,0)	4.15 (105,4)	5.45 (138,4)	6.09 (154,6)	2.95 (75,0)
P	Q	R	S	T
1.37 (34,7)	2.33 (59,2)	.69 (17,5)	1.52 (38,5)	1.87 (47,5)
U				
∅ .18 ∅ (4,5)				

Inches (mm)

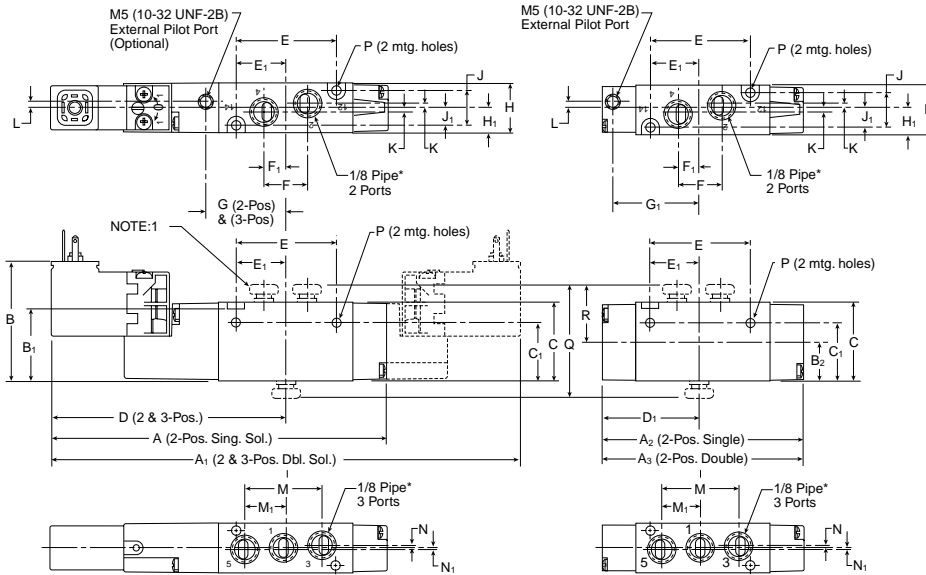
* Use with 3-Way & 4-Way valves.
 Dimensions are the same.



B3 Single & Double Operators – 4-Way Inline

Solenoid

Remote Pilot



NOTE 1: Series B3 valves with integral PRESTOLOK ports must use Parker PARFLEX tubing, which has the required O.D. tolerances for use. Be sure to use the tube support (part no. 63PTU) when using the series U polyurethane tubing. All applications should be carefully tested through the range of conditions which may be encountered prior to use.

B3 4-Way Inline

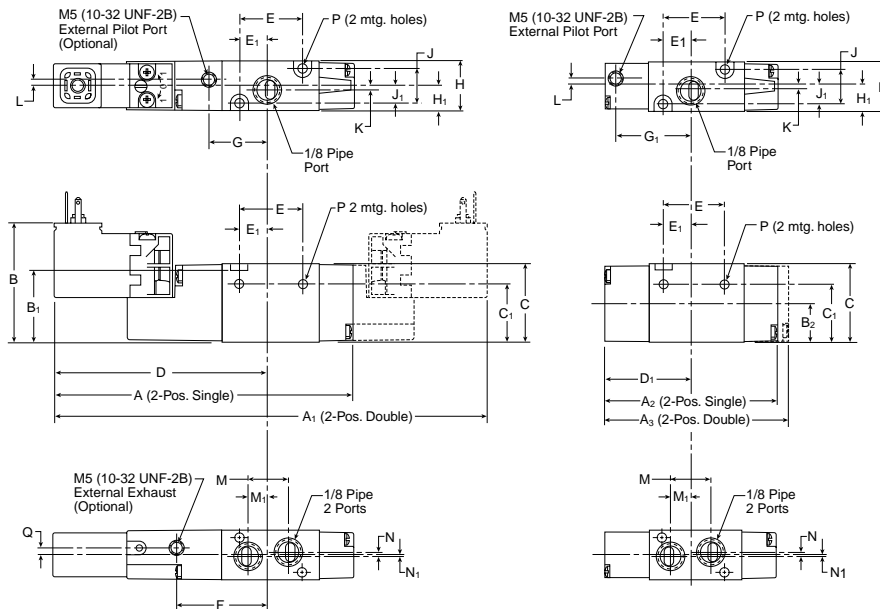
A 4.67 (119)	A₁ 6.44 (164)	A₂ 3.12 (79)	A₃ 3.33 (85)	B 1.66 (42)
B₁ 1.05 (27)	B₂ .57 (14)	C 1.13 (29)	C₁ .84 (21)	D 3.22 (82)
D₁ 1.66 (42)	E 1.47 (37)	E₁ .73 (19)	F .63 (16)	F₁ .32 (8)
G 1.13 (29)	G₁ 1.50 (38)	H .71 (18)	H₁ .36 (9)	J .51 (13)
J₁ .26 (7)	K .06 (2)	L .11 (3)	M 1.12 (28)	M₁ .56 (14)
N .05 (1)	N₁ .05 (1)	P Ø .13 Ø (3.3)	Q_{5/32} Prestolok 1.54 (39)	Q_{1/4} Prestolok 1.58 (40)
Q_{1/4} Prestolok .77 (20)	R_{1/4} Prestolok .79 (20)			

Inches (mm)

B3 Single & Double Operators – 3-Way Inline

Solenoid

Remote Pilot



B3 3-Way Inline

A 4.20 (107)	A₁ 5.96 (151)	A₂ 2.65 (67)	A₃ 2.86 (73)	B 1.66 (42)
B₁ 1.05 (27)	B₂ .57 (14)	C 1.13 (29)	C₁ .84 (21)	D 2.93 (74)
D₁ 1.38 (35)	E .98 (25)	E₁ .44 (11)	F 1.32 (34)	G .85 (22)
G₁ 1.22 (31)	H .71 (18)	H₁ .36 (9)	J .51 (13)	J₁ .26 (7)
K .06 (2)	L .11 (3)	M .63 (16)	M₁ .27 (7)	N .12 (3)
N₁ .06 (2)	P Ø .13 Ø (3.3)	Q .08 (2)		

Inches (mm)

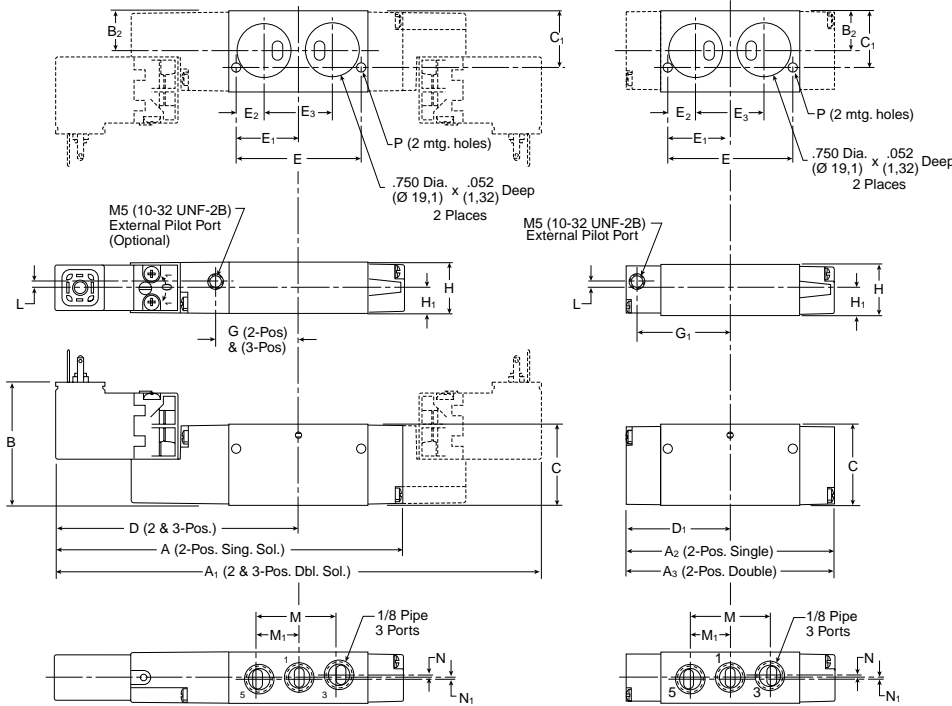


B3 Single & Double Operators – 4-Way Face Mount

Solenoid

Remote Pilot

B3 4-Way Face Mount

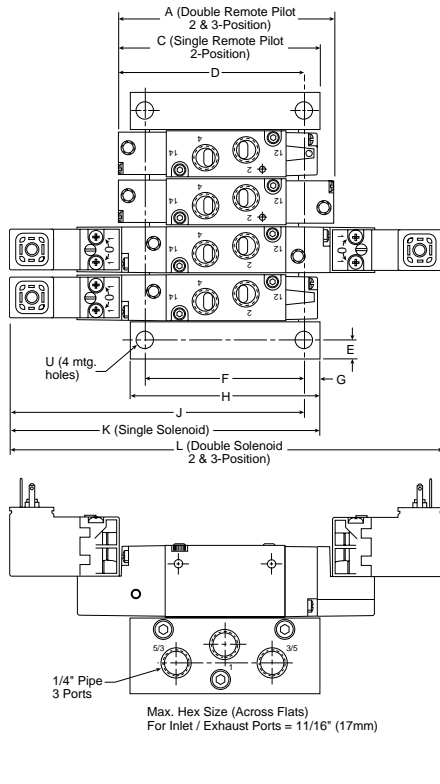


A 4.67 (119)	A₁ 6.44 (164)	A₂ 3.12 (79)	A₃ 3.33 (85)	B 1.66 (42)
B₂ .58 (15)	C 1.13 (29)	C₁ .81 (21)	D 3.22 (82)	D₁ 1.66 (42)
E 1.74 (44)	E₁ .87 (22)	E₂ .39 (10)	E₃ .95 (24)	G 1.13 (29)
G₁ 1.50 (38)	H .71 (18)	H₁ .36 (9)	L .11 (3)	M 1.12 (28)
M₁ .56 (14)	N .05 (1)	N₁ .05 (1)	P Ø .13 Ø (3.3)	

Inches (mm)



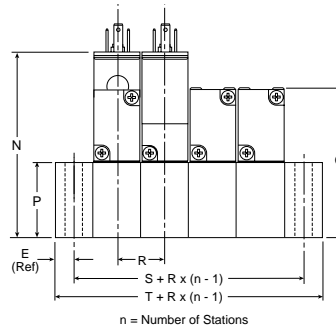
B3 Single & Double Operators – 4-Way IEM Stackable



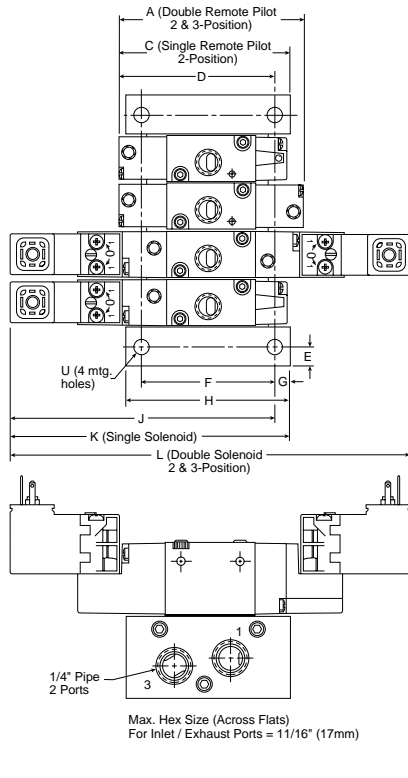
B3 4-Way IEM Stackables

A 3.33 (84,6)	C 3.12 (79,2)	D 2.91 (73,9)	E .30 (7,6)	F 2.49 (63,3)
G .25 (6,4)	H 3.00 (76,2)	J 4.46 (113,3)	K 4.67 (118,6)	L 6.43 (163,3)
N 2.91 (73,9)	P 1.25 (31,8)	Q 2.38 (60,5)	R .74 ±.01 (18,8) ± .3	
S 1.34 (34,0)	T 1.94 (49,3)	U Ø .28 Ø (7,1)		

Inches (mm)



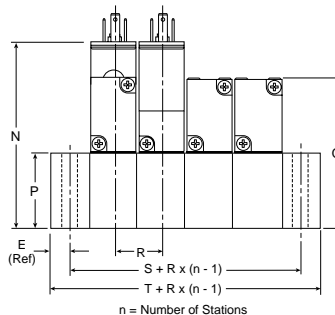
B3 Single & Double Operators – 3-Way IEM Stackable



B3 3-Way IEM Stackable

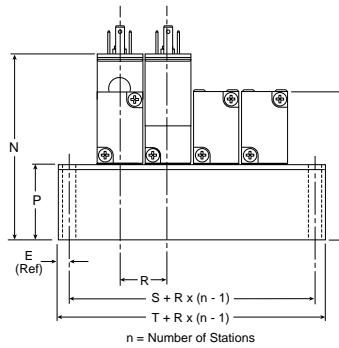
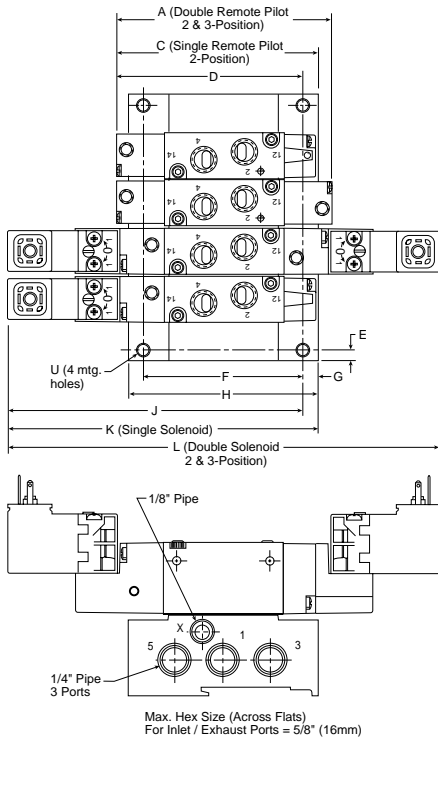
A 2.86 (72,6)	C 2.65 (67,3)	D 2.45 (62,2)	E .30 (7,6)	F 2.05 (52,0)
G .24 (6,0)	H 2.52 (64,0)	J 4.00 (101,7)	K 4.20 (106,7)	L 5.96 (151,4)
N 2.91 (73,9)	P 1.25 (31,8)	Q 2.38 (60,5)	R .74 ±.01 (18,8) ± .3	
S 1.34 (34,0)	T 1.94 (49,3)	U Ø .28 Ø (7,1)		

Inches (mm)





B3 Single & Double Operators – 4-Way IEM Aluminum Bar

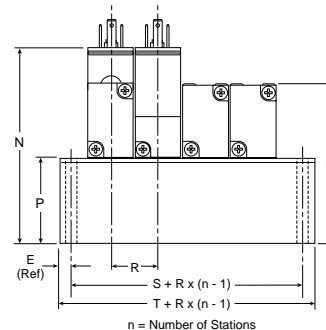
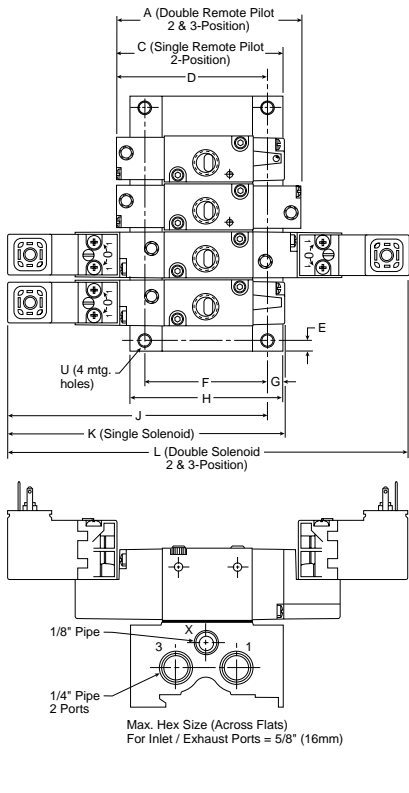


B3 4-Way IEM Aluminum Bar Manifold

A 3.33 (84,6)	C 3.17 (80,5)	D 2.94 (74,7)	E .25 (6,4)	F 2.54 (64,5)
G .23 (5,9)	H 3.00 (76,2)	J 4.50 (114,2)	K 4.73 (120,1)	L 6.43 (163,3)
N 2.94 (74,7)	P 1.28 (32,5)	Q 2.41 (61,2)	R .81 (20,5)	S 1.13 (28,8)
T 1.64 (41,6)	U Ø .23 Ø (5,8)			

Inches (mm)

B3 Single & Double Operators – 3-Way IEM Aluminum Bar



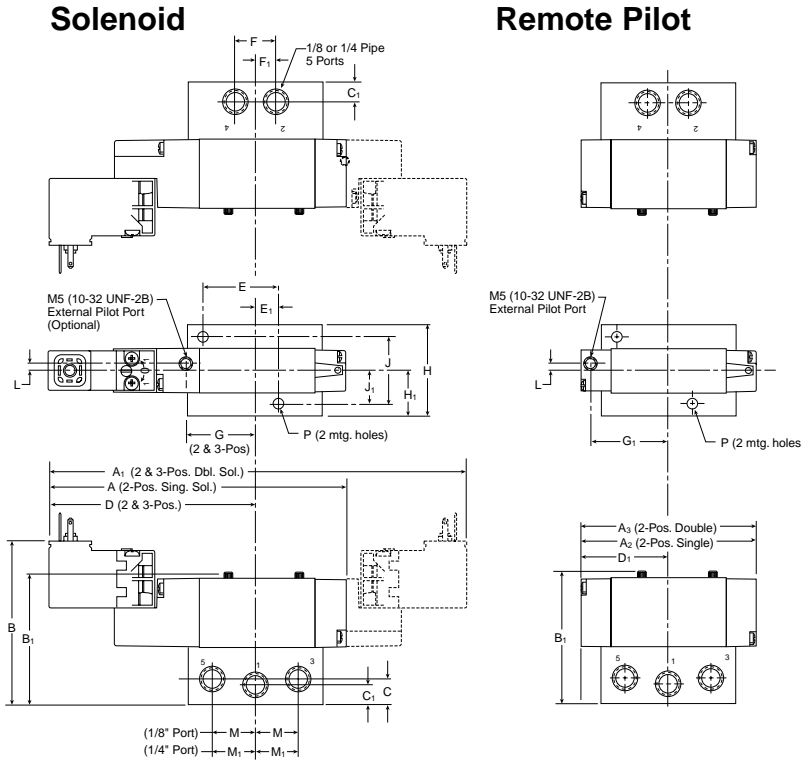
B3 3-Way IEM Aluminum Bar Manifold

A 2.86 (72,6)	C 2.65 (67,3)	D 2.33 (59,2)	E .25 (6,4)	F 1.80 (45,7)
G .23 (5,9)	H 2.25 (57,2)	J 3.88 (98,6)	K 4.20 (106,7)	L 5.96 (151,4)
N 2.93 (74,5)	P 1.27 (32,4)	Q 2.40 (61,1)	R .81 (20,5)	S 1.13 (28,8)
T 1.64 (41,6)	U Ø .23 Ø (5,8)			

Inches (mm)



B3 Single & Double Operators – 4-Way Single Subbase

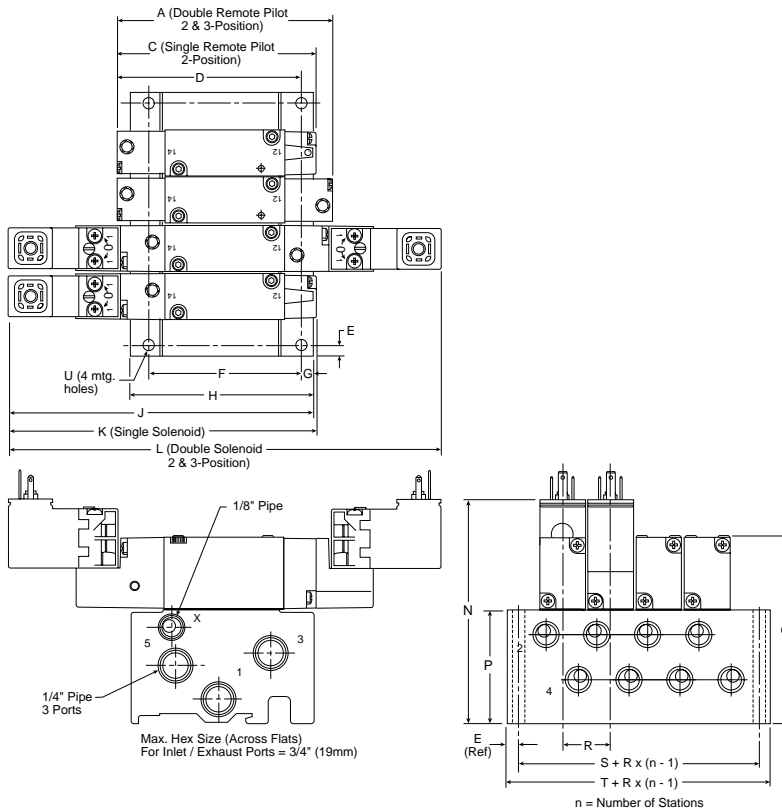


B3 4-Way Single Subbase

A 4.67 (119)	A₁ 6.44 (164)	A₂ 3.12 (79)	A₃ 3.33 (85)	B 2.63 (67)
B₁ 2.21 (56)	C .47 (12)	C₁ .37 (9)	D 3.22 (82)	D₁ 1.66 (42)
E 1.25 (32)	E₁ .38 (10)	F .69 (18)	F₁ .34 (9)	G 1.13 (29)
G₁ 1.50 (38)	H 1.50 (38)	H₁ .75 (19)	J 1.12 (28)	J₁ .56 (14)
M .71 (18)	M₁ .76 (19)	P Ø .18 Ø (4)		

Inches (mm)

B3 Single & Double Operators – 5-Port Subbase Bar Manifold



**B3 5-Port Subbase
Bar Manifold**

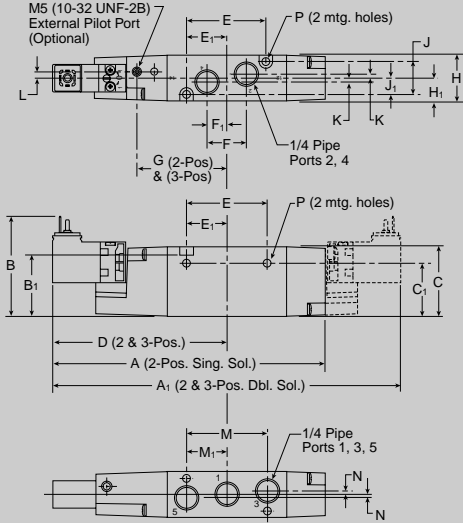
A 3.33 (84,6)	C 3.12 (79,2)	D 2.88 (73,2)	E .25 (6,3)	F 2.43 (61,7)
G .22 (5,5)	H 2.93 (74,5)	J 4.66 (118,3)	K 4.67 (118,6)	L 6.43 (166,3)
N 3.47 (88,2)	P 1.81 (46,0)	Q 2.94 (74,7)	R .81 (20,5)	S 1.39 (35,4)
T 1.89 (48,0)	U Ø .22 Ø (5,6)			

Inches (mm)

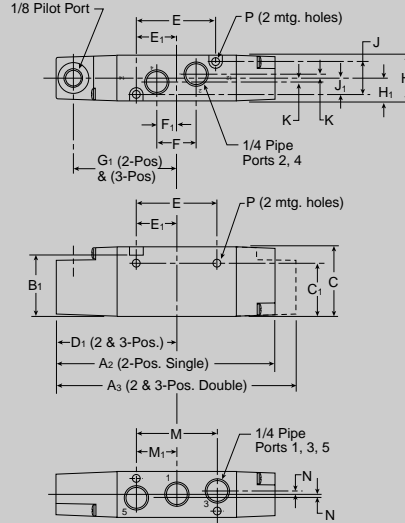


B4 Single & Double Operators – 4-Way Inline

Solenoid



Remote Pilot



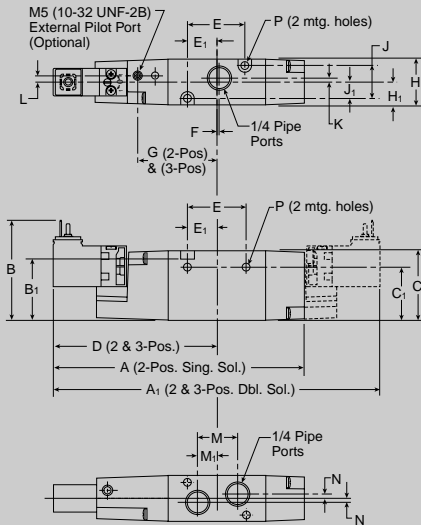
B4 4-Way Inline

A	A ₁	A ₂	A ₃	B
5.87 (149,0)	7.49 (190,2)	4.70 (119,3)	5.17 (131,3)	2.15 (54,6)
B ₁	C	C ₁	D	D ₁
1.32 (33,5)	1.50 (38,0)	1.14 (29,0)	3.75 (95,3)	2.58 (66,0)
E	E ₁	F	F ₁	G
1.73 (44,0)	.87 (22,0)	.85 (21,5)	.42 (10,8)	1.91 (48,5)
G ₁	H	H ₁	J	J ₁
2.21 (56,1)	.98 (25,0)	.49 (12,5)	.71 (18,0)	.35 (9,0)
K	L	M	M ₁	N
.09 (2,3)	.14 (3,6)	1.73 (44,0)	.87 (22,0)	.07 (1,7)
P				
Ø.17 Ø(4,3)				

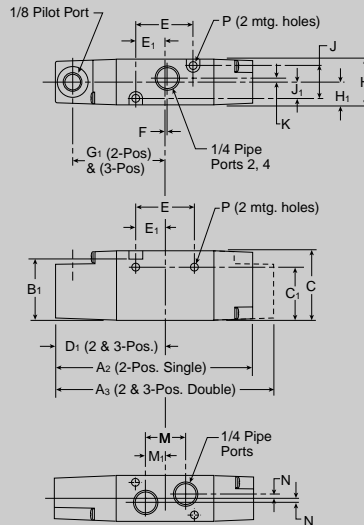
Inches (mm)

B4 Single & Double Operators – 3-Way Inline

Solenoid



Remote Pilot



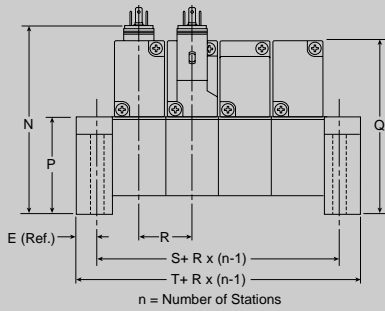
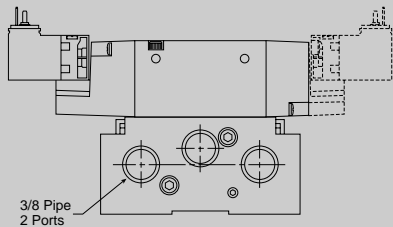
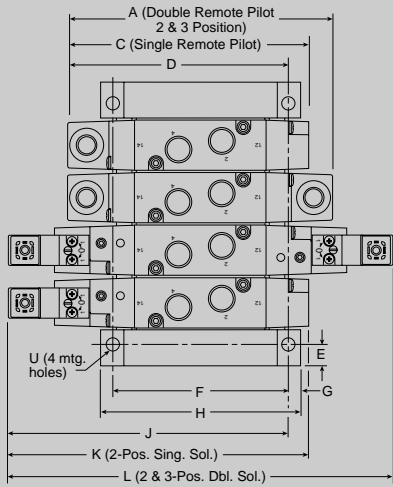
B4 3-Way Inline

A	A ₁	A ₂	A ₃	B
5.39 (136,9)	7.01 (178,1)	4.22 (107,2)	4.69 (119,0)	2.15 (54,6)
B ₁	C	C ₁	D	D ₁
1.32 (33,5)	1.50 (38,0)	1.14 (29,0)	3.51 (89,2)	2.34 (59,5)
E	E ₁	F	G	G ₁
1.26 (32,0)	.63 (16,0)	.04 (1,0)	1.67 (42,4)	1.97 (50,0)
H	H ₁	J	J ₁	K
.98 (25,0)	.49 (12,5)	.71 (18,0)	.35 (9,0)	.09 (2,3)
L	M	M ₁	N	P
.14 (3,6)	.85 (21,5)	.42 (10,8)	.09 (2,2)	Ø.17 Ø(4,3)

Inches (mm)



B4 Single & Double Operators – 4-Way IEM Stackable

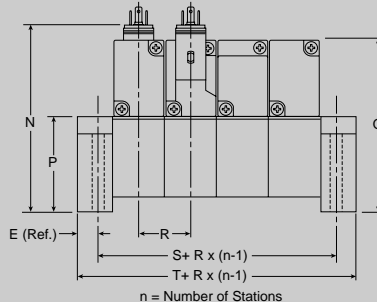
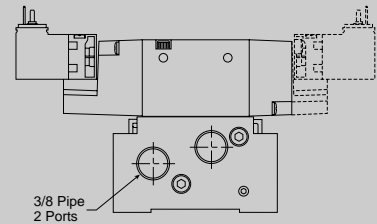
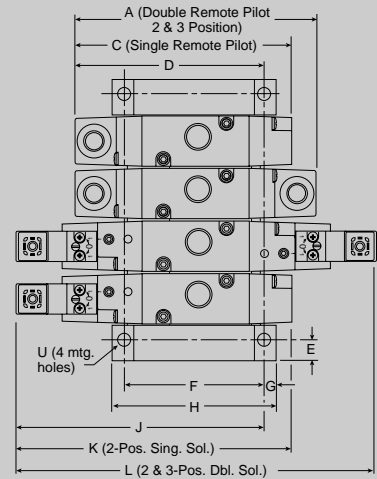


B4 4-Way IEM Stackable

A 5.17 (131,3)	C 4.70 (119,3)	D 4.32 (109,8)	E .42 (10,7)	F 3.44 (87,5)
G .24 (6,0)	H 3.92 (99,5)	J 5.47 (139,1)	K 5.87 (149,0)	L 7.49 (190,2)
N 3.65 (92,7)	P 1.91 (48,5)	Q 3.41 (86,5)	R 1.06 (26,8)	S 1.63 (41,5)
T 2.47 (62,8)	U .259 (6,6)			

Inches (mm)

B4 Single & Double Operators – 3-Way IEM Stackable



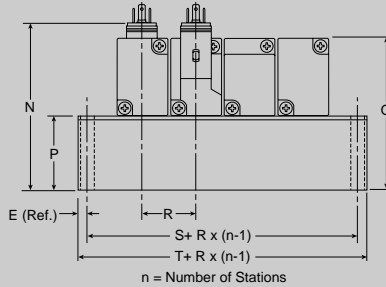
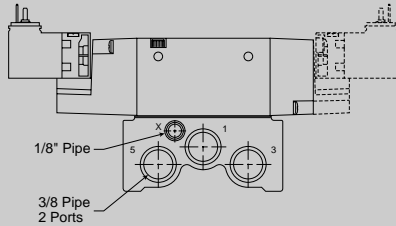
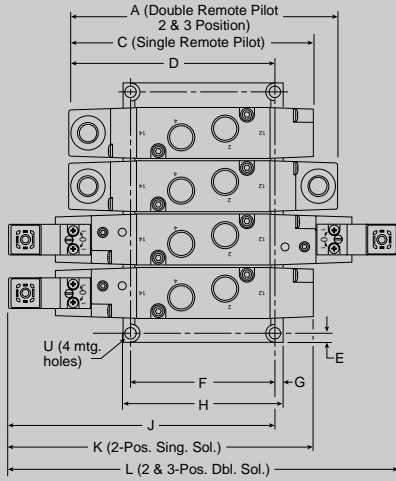
B4 3-Way IEM Stackable

A 4.69 (119,0)	C 4.22 (107,2)	D 3.74 (95,0)	E .42 (10,7)	F 2.80 (71,0)
G .24 (6,0)	H 3.27 (83,0)	J 4.91 (124,7)	K 5.39 (136,9)	L 7.01 (178,1)
N 3.65 (92,1)	P 1.91 (48,5)	Q 3.41 (86,5)	R 1.06 (26,8)	S 1.63 (41,5)
T 2.47 (62,8)	U .259 (6,6)			

Inches (mm)



B4 Single & Double Operators – 4-Way IEM Aluminum Bar

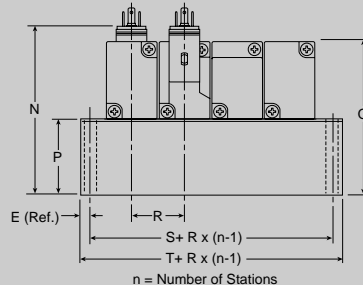
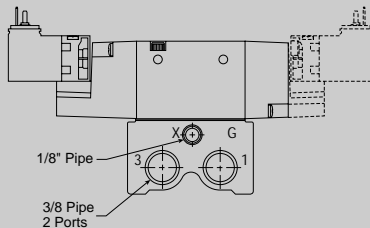
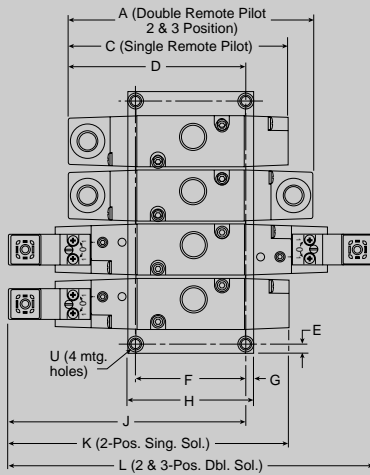


B4 4-Way IEM Aluminum Bar Manifold

A 5.17 (131,3)	C 4.70 (119,3)	D 4.00 (101,8)	E .18 (4,6)	F 2.82 (71,6)
G .15 (3,8)	H 3.12 (79,3)	J 5.16 (131,1)	K 5.87 (149,0)	L 7.49 (190,2)
N 3.20 (81,5)	P 1.47 (37,3)	Q 2.97 (75,3)	R 1.07 (27,1)	S 1.58 (40,2)
T 1.94 (49,4)	U .208 (5,3)			

Inches (mm)

B4 Single & Double Operators – 3-Way IEM Aluminum Bar



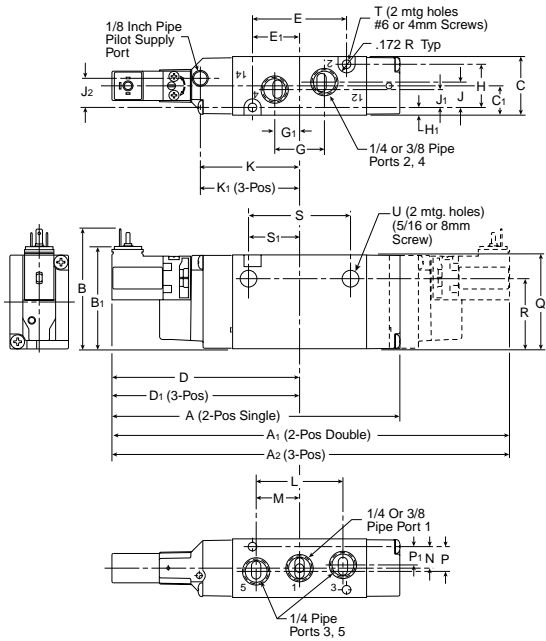
B4 3-Way IEM Aluminum Bar Manifold

A 4.69 (119,0)	C 4.22 (107,2)	D 3.42 (86,9)	E .18 (4,6)	F 2.16 (54,9)
G .15 (3,8)	H 2.46 (62,5)	J 4.60 (116,6)	K 5.39 (136,9)	L 7.01 (178,1)
N 3.20 (81,5)	P 1.47 (37,3)	Q 2.97 (75,3)	R 1.07 (27,1)	S 1.58 (40,2)
T 1.94 (49,4)	U .208 (5,3)			

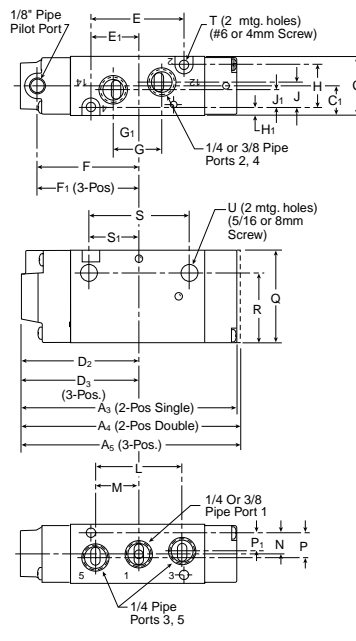
Inches (mm)

B5 Single & Double Operators – 4-Way Inline

Solenoid



Remote Pilot



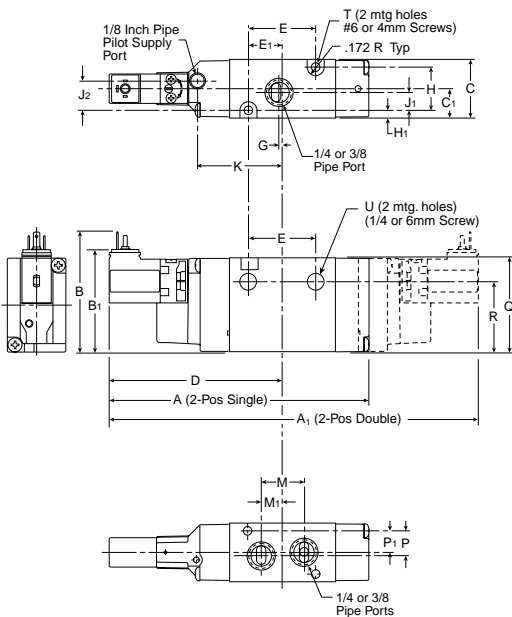
B5 4-Way Inline

A 5.78 (147)	A₁ 7.51 (191)	A₂ 8.45 (215)	A₃ 4.37 (110)	A₄ 4.70 (119)
A₅ 5.64 (143)	B 2.41 (61)	B₁ 2.06 (52)	C 1.18 (30)	C₁ .59 (15)
D 3.76 (96)	D₁ 4.23 (107)	D₂ 2.35 (60)	D₃ 2.82 (72)	E 1.89 (48)
E₁ .95 (24)	F 2.01 (51)	F₁ 2.47 (63)	G 1.00 (25)	G₁ .50 (13)
H .87 (22)	H₁ .16 (4)	J .51 (13)	J₁ .36 (9)	J₂ .58 (15)
K 2.00 (51)	K₁ 2.47 (63)	L 1.75 (44)	M .88 (22)	N .43 (8)
P .50 (13)	P₁ .37 (9)	Q 1.89 (48)	R 1.41 (36)	S 2.05 (52)
S₁ 1.03 (26)	T ∅ .177 (4.5)	U ∅ .34 (9)		

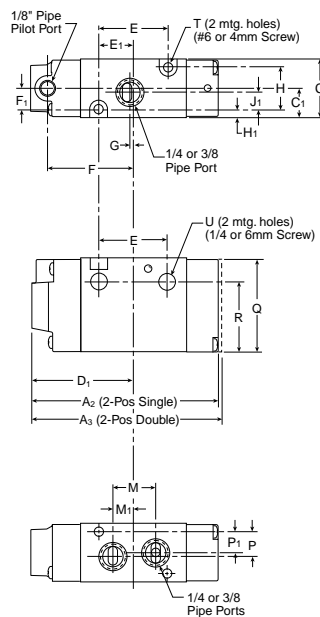
Inches (mm)

B5 Single & Double Operators – 3-Way Inline

Solenoid



Remote Pilot



B5 3-Way Inline

A 5.29 (134)	A₁ 7.03 (179)	A₂ 3.88 (99)	A₃ 4.21 (107)	B 2.41 (61)
B₁ 2.06 (52)	C 1.18 (30)	C₁ .59 (15)	D 3.43 (87)	D₁ 2.11 (54)
E 1.40 (36)	E₁ .70 (18)	F 1.77 (45)	F₁ .43 (11)	G .06 (2)
H .87 (22)	H₁ .16 (4)	J₁ .36 (9)	J₂ .58 (15)	K 1.67 (42)
M .88 (22)	M₁ .44 (11)	P .50 (13)	P₁ .37 (9)	Q 1.89 (48)
R 1.41 (36)	T ∅ .177 (4.5)	U ∅ .26 (6.6)		

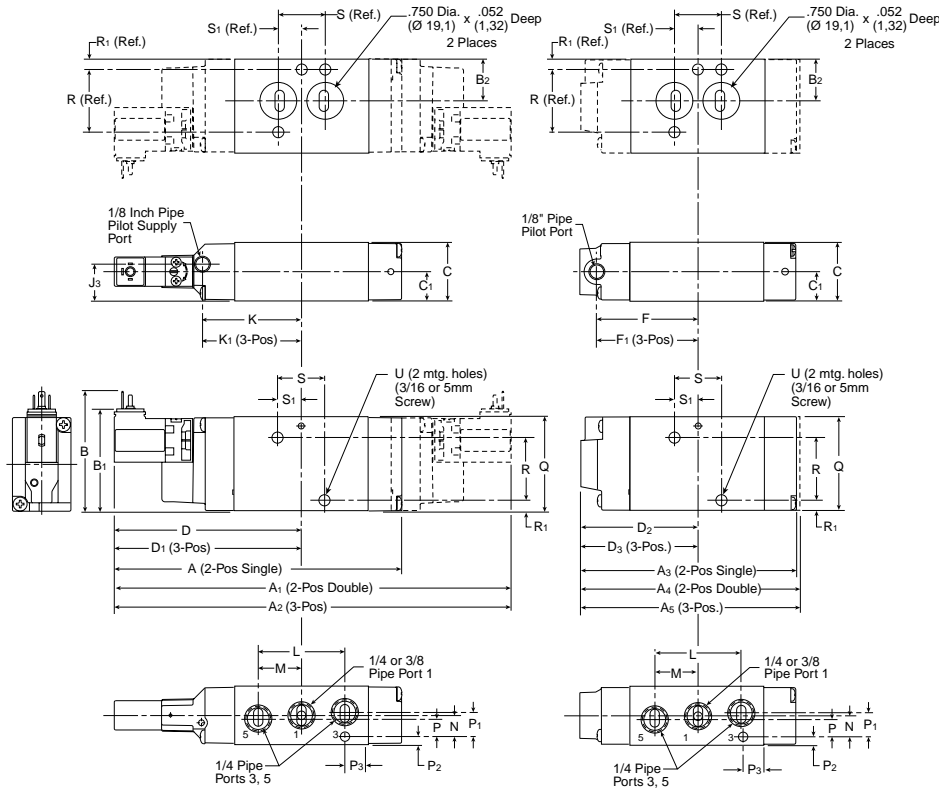
Inches (mm)

B5

Single & Double Operators – 4-Way NAMUR Mount

Solenoid

Remote Pilot



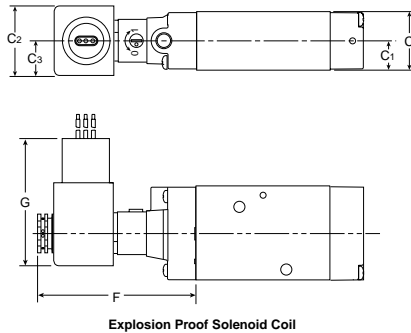
B5 4-Way NAMUR Mount

A 5.78 (147)	A₁ 7.51 (191)	A₂ 8.45 (215)	A₃ 4.37 (110)	A₄ 4.70 (119)
A₅ 5.64 (143)	B 2.41 (61)	B₁ 2.06 (52)	B₂ .84 (21)	C 1.18 (30)
C₁ .59 (15)	D 3.76 (96)	D₁ 4.23 (107)	D₂ 2.35 (60)	D₃ 2.82 (72)
F 2.01 (51)	F₁ 2.47 (63)	J₃ .74 (19)	K 2.00 (51)	K₁ 2.47 (63)
L 1.75 (44)	M .88 (22)	N .44 (11)	P .37 (9,4)	P₁ .50 (13)
P₂ .16 (4)	P₃ .40 (10)	Q 1.89 (48)	R 1.26 (32)	R₁ .21 (5)
S .94 (24)	S₁ .47 (12)	U Ø .224 Ø (5,7)		

Inches (mm)

B5

Alternative Electrical Enclosure Option F

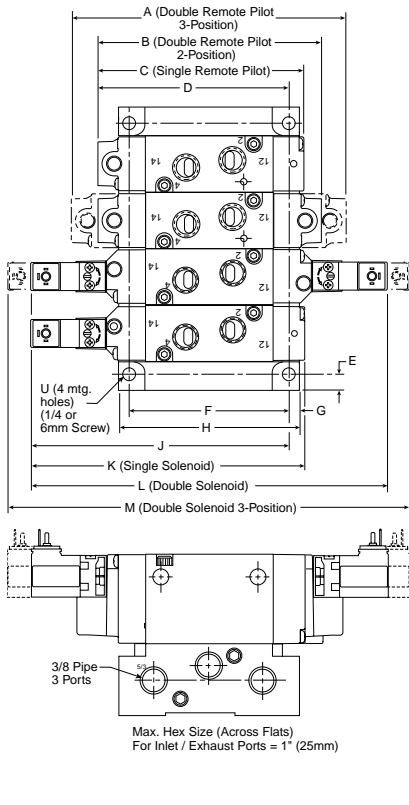


B5 4-Way NAMUR Mount with Option F Enclosure

C 1.18 (30)	C₁ .59 (15)	C₂ 1.42 (36)	C₃ .71 (18)	F 3.15 (80)
G 2.60 (66)				

Inches (mm)

B5 Single & Double Operators – 4-Way IEM Stackable



B5 4-Way IEM Stackable

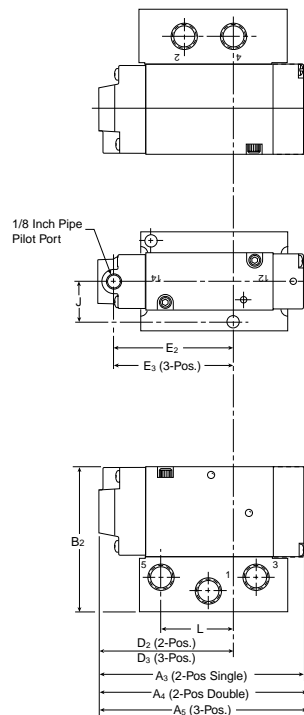
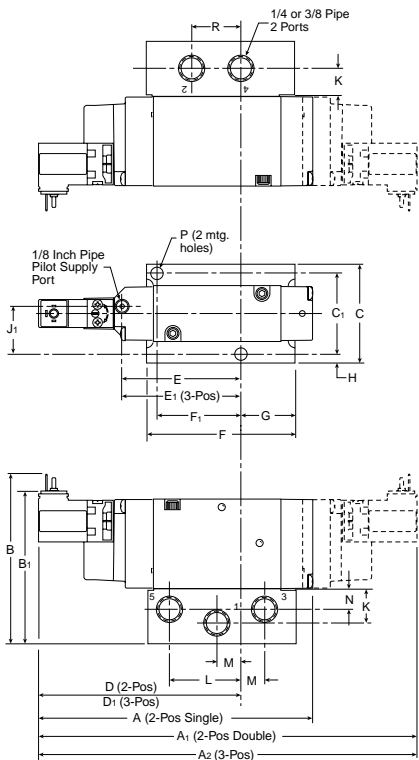
A 5.64 (143,3)	B 4.70 (119,4)	C 4.37 (110,0)	D 4.29 (109,0)	E .29 (7,4)
F 3.44 (87,4)	G .24 (6,1)	H 3.92 (99,6)	J 5.48 (139,2)	K 5.78 (146,8)
L 7.52 (191,0)	M 8.46 (214,9)	N 3.56 (90,4)	P 1.50 (38,1)	Q 3.42 (86,9)
R 1.21 ± .01 (30,7) ± (.3)	S 1.79 (45,5)	T 2.37 (60,2)	U ∅ .28 ∅ (7,1)	

Inches (mm)

B5 Single & Double Operators – 4-Way Single Subbase

Solenoid

Remote Pilot



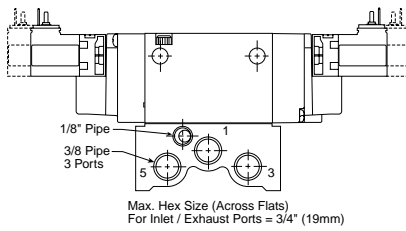
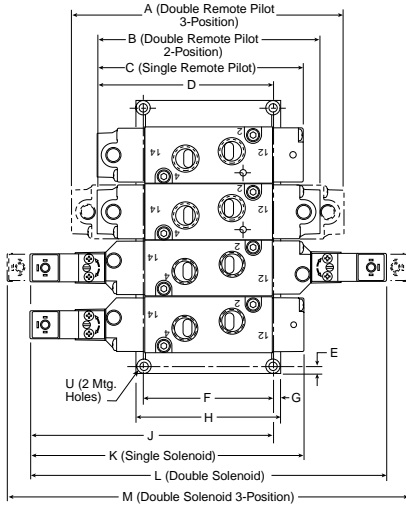
B5 4-Way Subbase

A 5.78 (147)	A₁ 7.52 (191)	A₂ 8.46 (215)	A₃ 4.37 (110)	A₄ 4.70 (119)
A₅ 5.64 (143)	B 3.56 (90)	B₁ 3.21 (82)	B₂ 3.03 (77)	C 2.12 (54)
C₁ 1.69 (43)	D 4.26 (108)	D₁ 4.73 (120)	D₂ 2.85 (72)	D₃ 3.32 (40)
E 2.51 (65)	E₁ 2.98 (76)	E₂ 2.60 (66)	E₃ 3.07 (80)	F 2.90 (74)
F₁ 1.69 (43)	G .95 (24)	H .22 (5)	J .84 (21)	J₁ .99 (25)
K .71 (18)	L 1.50 (38)	M .50 (13)	N .46 (12)	P ∅ .27 ∅ (7)
R 1.00 (25)				

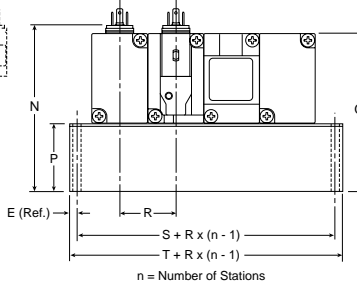
Inches (mm)

B5

Single & Double Operators – 4-Way IEM Aluminum Bar



Max. Hex Size (Across Flats)
 For Inlet / Exhaust Ports = 3/4" (19mm)



n = Number of Stations

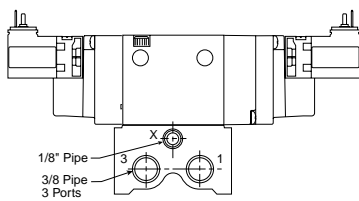
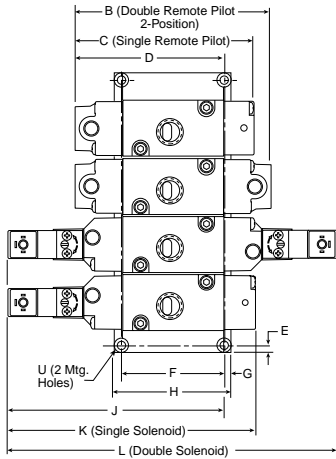
B5 4-Way IEM Aluminum Bar Manifold

A 5.64 (143,3)	B 4.70 (119,4)	C 4.37 (110,0)	D 3.74 (95,0)	E .18 (4,6)
F 2.78 (70,6)	G .17 (4,3)	H 3.12 (79,2)	J 5.15 (130,8)	K 5.78 (146,8)
L 7.52 (191,0)	M 8.46 (214,9)	N 3.50 (89,0)	P 1.44 (36,6)	Q 3.36 (85,3)
R 1.26 (32,0)	S 1.78 (45,2)	T 2.14 (54,4)	U Ø .22 Ø (5,5)	

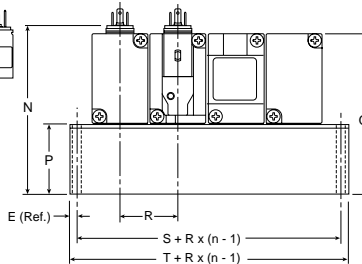
Inches (mm)

B5

Single & Double Operators – 3-Way IEM Aluminum Bar



Max. Hex Size (Across Flats)
 For Inlet / Exhaust Ports = 13/16" (20mm)



n = Number of Stations

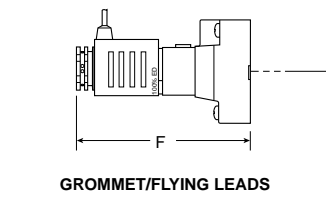
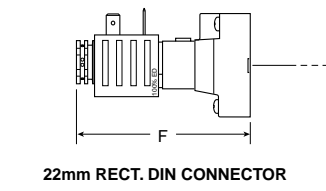
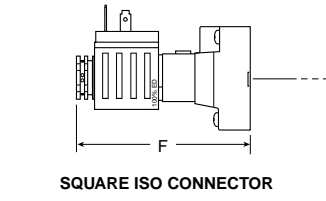
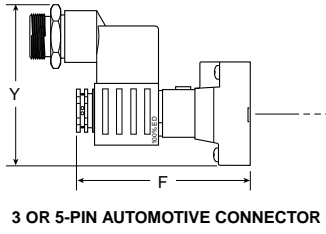
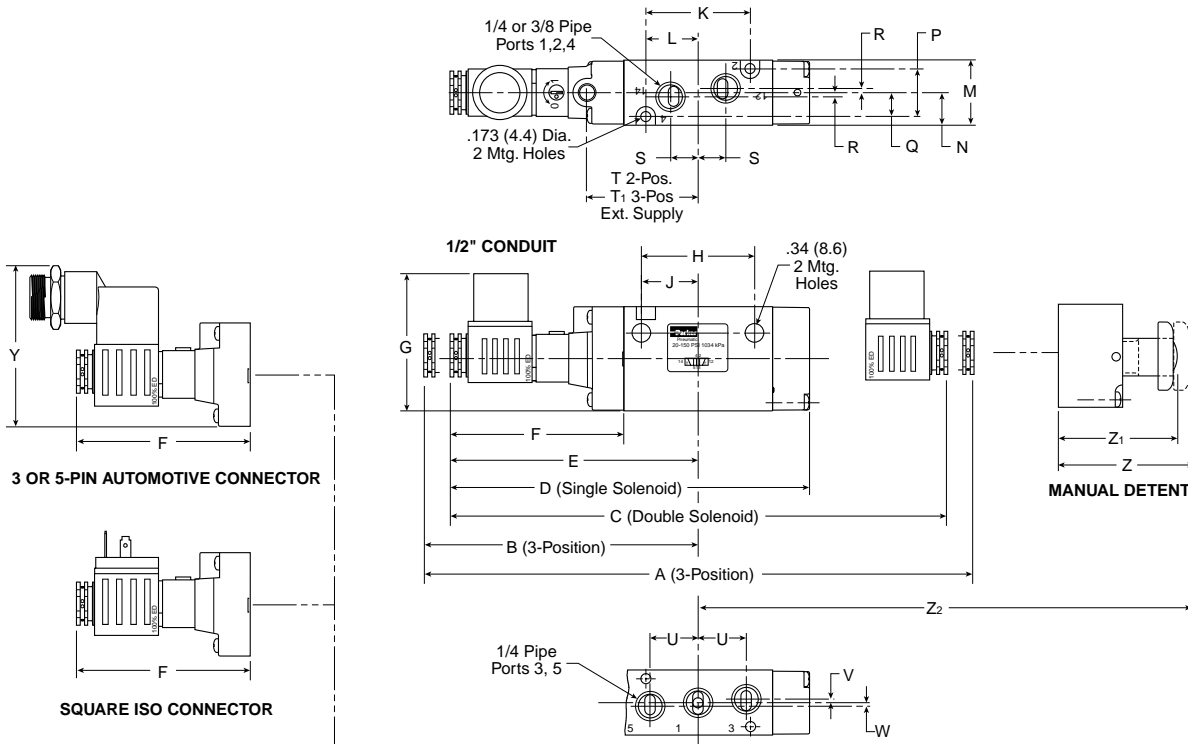
B5 3-Way IEM Aluminum Bar Manifold

B 4.21 (106,9)	C 3.88 (98,6)	D 3.41 (86,6)	E .18 (4,6)	F 2.12 (53,8)
G .17 (4,3)	H 2.46 (62,5)	J 4.82 (122,4)	K 5.29 (134,4)	L 7.03 (178,6)
N 3.50 (89,0)	P 1.44 (36,6)	Q 3.36 (85,3)	R 1.26 (32,0)	S 1.76 (44,7)
T 2.12 (53,8)	U Ø .18 Ø (4,6)			

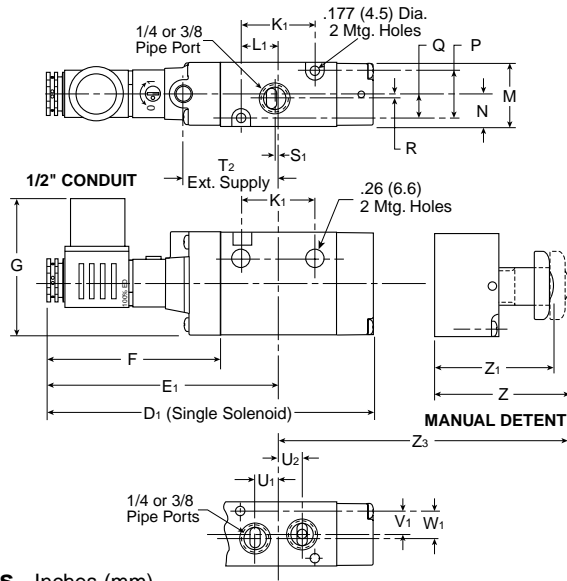
Inches (mm)

B5

4-Way Alternative Electrical Enclosures



3-Way Alternative Electrical Enclosures



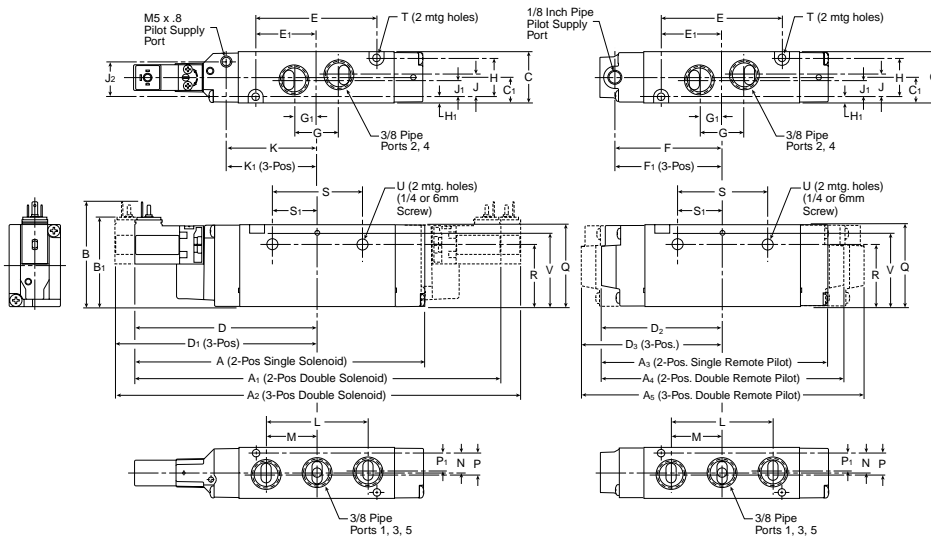
B5 Alternative – Electrical Enclosures, Inches (mm)

A 9.94 (252,5)	A₁ .872 (221,4)	B 4.97 (126,2)	C 9.00 (228,6)	D 6.52 (165,6)	D₁ 6.02 (152,9)	E 4.50 (114,3)	E₁ 4.26 (108,1)	F 3.15 (80,0)	G 2.47 (62,8)	H 2.05 (52,1)	J 1.03 (26,2)	K 1.89 (48,0)
K₁ 1.40 (35,5)	L .95 (24,1)	L₁ .70 (17,8)	M 1.18 (30,0)	N .59 (15,0)	P .87 (22,1)	Q .43 (10,9)	R .08 (2,0)	S .50 (12,7)	S₁ .06 (1,5)	T 2.01 (51,1)	T₁ 2.47 (62,7)	T₂ 1.76 (44,8)
U .87 (22,1)	U₁ .43 (10,9)	U₂ .45 (11,3)	V .06 (1,5)	V₁ .37 (9,3)	W .07 (1,8)	W₁ .50 (13)	Y 2.90 (73,6)	Z 2.40 (60,9)	Z₁ 2.12 (53,8)	Z₂ 3.75 (95,2)	Z₃ 4.17 (105,8)	

B6 Single & Double Operators – 4-Way Inline

Solenoid

Remote Pilot



B6 4-Way Inline

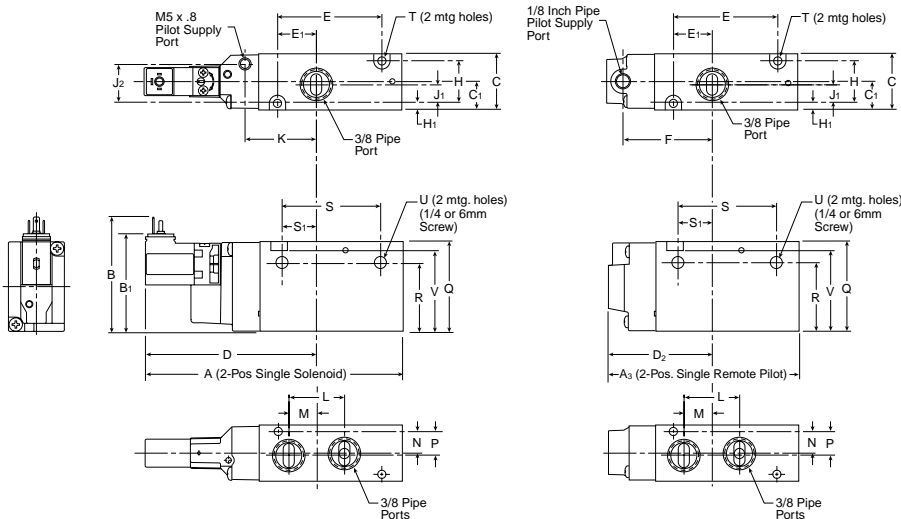
A 6.67 (169,5)	A₁ 8.41 (213,7)	A₂ 9.35 (237,6)	A₃ 5.26 (133,7)	A₄ 5.59 (142,1)
A₅ 6.54 (166,0)	B 2.41 (61,3)	B₁ 2.06 (52,3)	C 1.18 (30,0)	C₁ .59 (15,0)
D 4.21 (106,8)	D₁ 4.68 (118,8)	D₂ 2.80 (71,0)	D₃ 3.27 (83,0)	E 2.79 (70,8)
E₁ 1.39 (35,4)	F 2.45 (62,3)	F₁ 2.92 (74,3)	G 1.03 (26,1)	G₁ .51 (13,1)
H .91 (23,0)	H₁ .14 (3,5)	J .51 (13,1)	J₁ .39 (10,0)	J₂ .81 (20,6)
K 2.09 (53,0)	K₁ 2.56 (64,9)	L 2.34 (59,4)	M 1.17 (29,7)	N .45 (11,5)
P .49 (12,5)	P₁ .41 (10,5)	Q 1.89 (48,0)	R 1.45 (36,8)	S 2.09 (53,0)
S₁ 1.04 (26,5)	T ∅ .17 ∅ (4,4)	U ∅ .27 ∅ (6,9)	V 1.69 (43,0)	

Inches (mm)

B6 Single Operators – 3-Way Inline

Solenoid

Remote Pilot



B6 3-Way Inline

A 5.42 (137,7)	A₃ 4.01 (101,9)	B 2.41 (61,3)	B₁ 2.06 (52,3)	C 1.18 (30,0)
C₁ .59 (15,0)	D 3.63 (92,1)	D₂ 2.22 (56,3)	E 2.19 (55,6)	E₁ 0.82 (20,7)
F 1.87 (47,6)	H .91 (23,0)	H₁ .14 (3,5)	J₁ .39 (10,0)	J₂ .81 (20,6)
K 1.51 (38,3)	L 1.17 (29,7)	M .59 (15,0)	N .45 (11,5)	P .49 (12,5)
Q 1.89 (48,0)	R 1.45 (36,8)	S 2.09 (53,0)	S₁ 0.76 (19,4)	T ∅ .17 ∅ (4,4)
U ∅ .27 ∅ (6,9)	V 1.69 (43,0)			

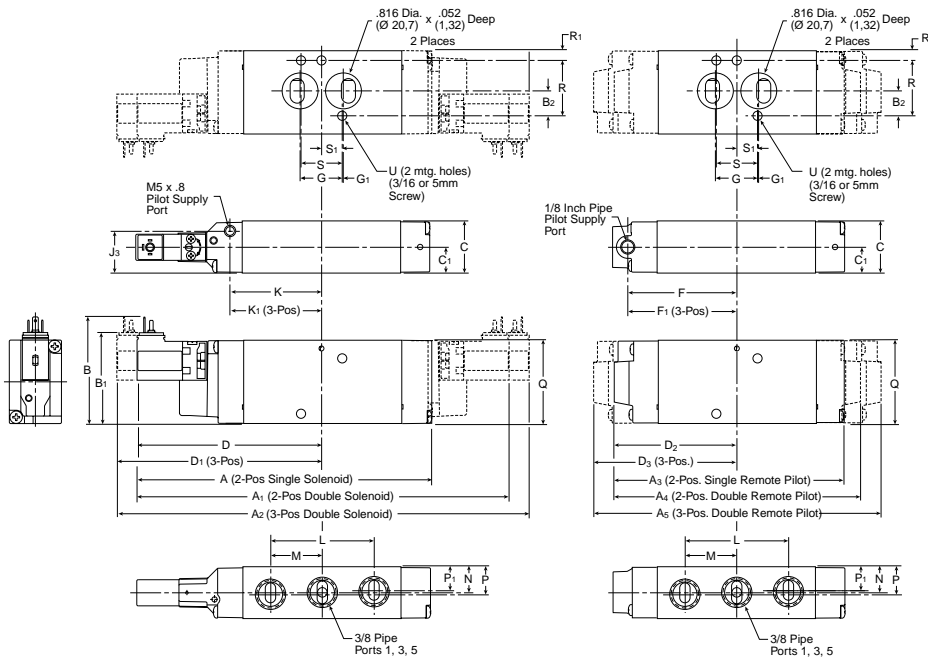
Inches (mm)

B6 **Single & Double Operators – 4-Way NAMUR Mount**

Solenoid

Remote Pilot

B6 4-Way NAMUR Mount

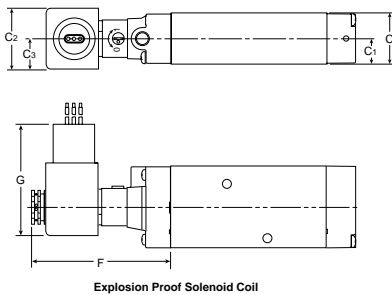


A 6.67 (169,5)	A₁ 8.41 (213,7)	A₂ 9.35 (237,6)	A₃ 5.26 (133,7)	A₄ 5.59 (142,1)
A₅ 6.54 (166,0)	B 2.41 (61,3)	B₁ 2.06 (52,3)	B₂ .57 (14,4)	C 1.18 (30,0)
C₁ .59 (15)	D 4.21 (106,8)	D₁ 4.68 (118,8)	D₂ 2.80 (71,0)	D₃ 3.27 (83,0)
F 2.45 (62,3)	F₁ 2.92 (74,3)	G .95 (24,2)	G₁ .02 (0,53)	J₃ .95 (24,1)
K 2.09 (53,0)	K₁ 2.56 (64,9)	L 2.34 (59,4)	M 1.17 (29,7)	N .59 (15)
P .63 (16)	P₁ .55 (14)	Q 1.89 (48,0)	R 1.26 (32)	R₁ .22 (5,5)
S .94 (24)	S₁ .47 (12)	T Ø .17 Ø (4,4)	U Ø .27 Ø (6,9)	

Inches (mm)

B6 **Alternative Electrical Enclosure Option F**

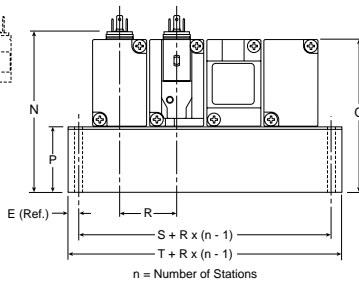
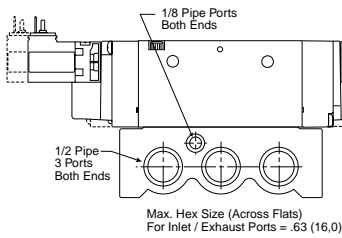
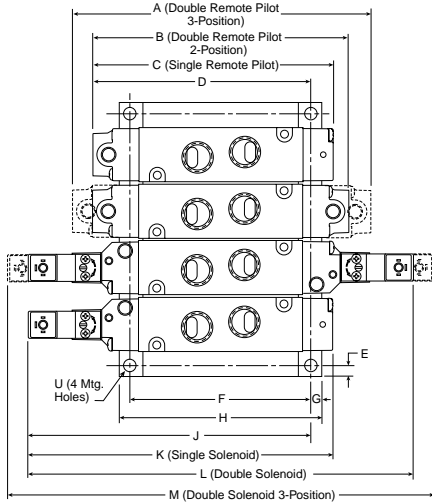
B5 4-Way NAMUR Mount with Option F Enclosure



C 1.18 (30)	C₁ .59 (15)	C₂ 1.42 (36)	C₃ .71 (18)	F 3.15 (80)
G 2.60 (66)				

Inches (mm)

B6 Single & Double Operators – 4-Way IEM Aluminum Bar

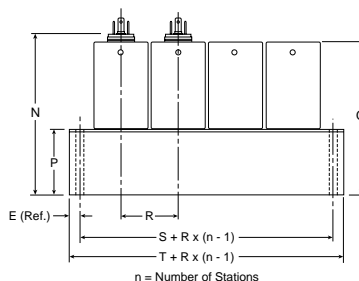
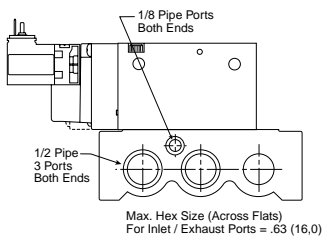
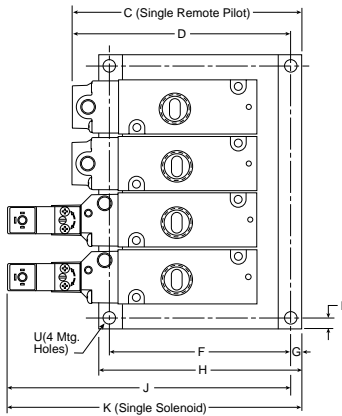


B6 4-Way IEM Aluminum Bar Manifold

A 6.54 (166,0)	B 5.59 (142,1)	C 5.26 (133,7)	D 4.76 (121,0)	E .24 (6,0)
F 3.94 (100,0)	G .24 (6,0)	H 4.41 (112,0)	J 6.17 (156,8)	K 6.67 (169,5)
L 8.41 (213,7)	M 9.35 (237,6)	N 3.60 (91,3)	P 1.54 (39,0)	Q 3.43 (87,0)
R 1.24 (31,5)	S 1.77 (45,0)	T 2.24 (57,0)	U ∅ .26 ∅ (6,5)	

Inches (mm)

B6 Single Operators – 3-Way IEM Aluminum Bar



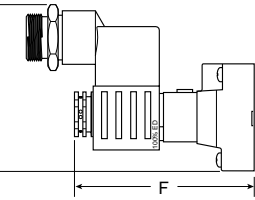
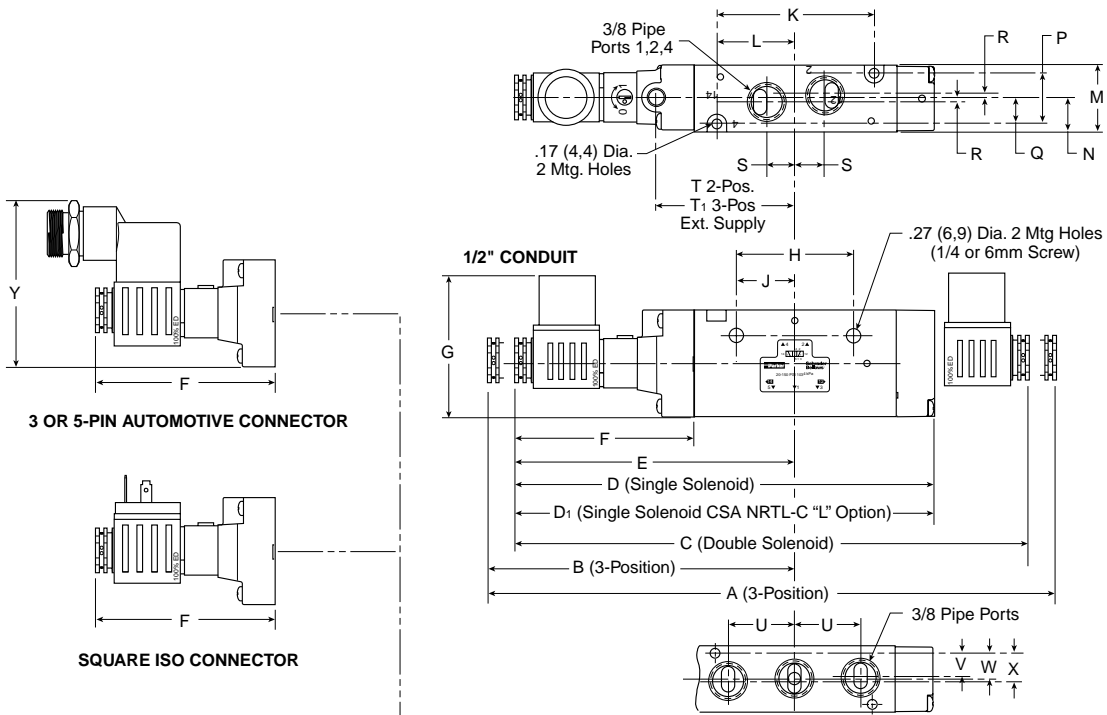
B6 3-Way IEM Aluminum Bar Manifold

C 5.00 (127,0)	D 4.76 (121,0)	E .24 (6,0)	F 3.94 (100,0)	G .24 (6,0)
H 4.41 (112,0)	J 6.17 (156,8)	K 6.41 (162,8)	N 3.60 (91,3)	P 1.54 (39,0)
Q 3.43 (87,0)	R 1.24 (31,5)	S 1.77 (45,0)	T 2.24 (57,0)	U ∅ .26 ∅ (6,5)

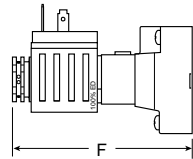
Inches (mm)

B6

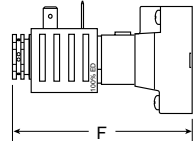
4-Way Alternative Electrical Enclosures



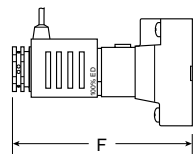
3 OR 5-PIN AUTOMOTIVE CONNECTOR



SQUARE ISO CONNECTOR

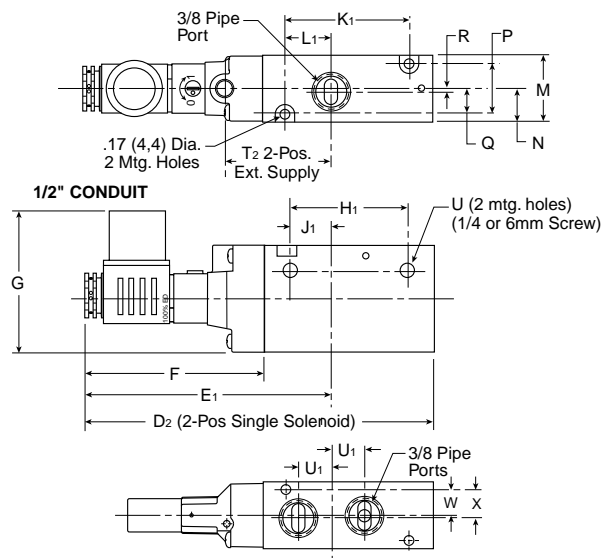


22mm RECT. DIN CONNECTOR



GROMMET/FLYING LEADS

3-Way Alternative Electrical Enclosures



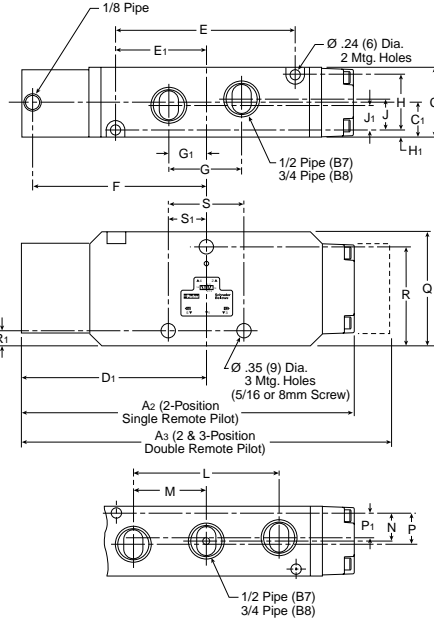
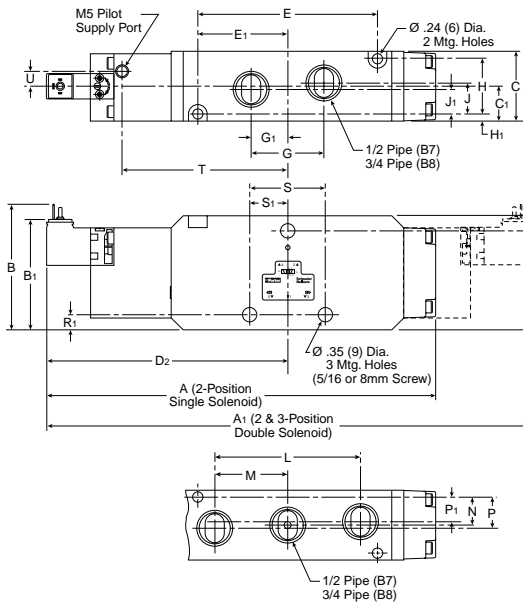
B6 Alternative – Electrical Enclosures, Inches (mm)

A 10.84 (275,3)	B 5.41 (137,5)	C 9.89 (251,3)	D 7.41 (188,2)	D₁ 7.74 (196,6)	D₂ 6.17 (156,6)	E 4.94 (125,6)	E₂ 4.37 (111,0)	F 3.15 (80,0)	G 2.47 (62,8)	H 2.09 (53,0)	H₁ 2.09 (53,0)	J 1.04 (26,5)
J₁ 0.76 (19,4)	K 2.79 (70,8)	K₁ 2.19 (55,6)	L 1.39 (35,4)	L₁ .82 (20,7)	M 1.18 (30,0)	N .59 (15,0)	P .91 (23,0)	Q .45 (11,5)	R .06 (1,6)	S .51 (13,1)	T 2.45 (62,3)	T₁ 2.93 (29,7)
T₂ 1.89 (48,0)	U .59 (15,0)	U₁ .59 (15,0)	V .41 (10,5)	W .45 (11,5)	X .49 (12,5)	Y 2.90 (73,6)						

B7
B8 **Single & Double Operators – 4-Way Inline**

Solenoid

Remote Pilot



B7 & B8 4-Way Inline

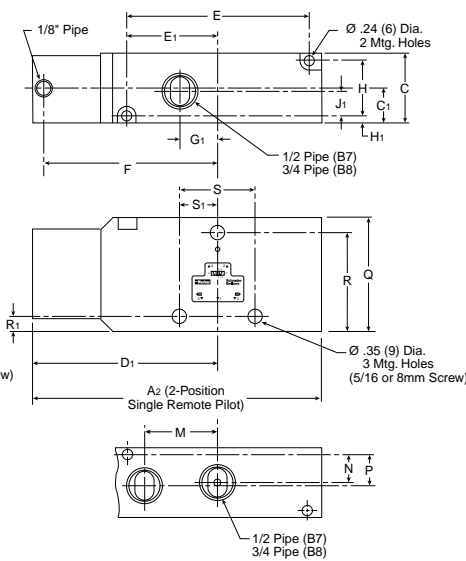
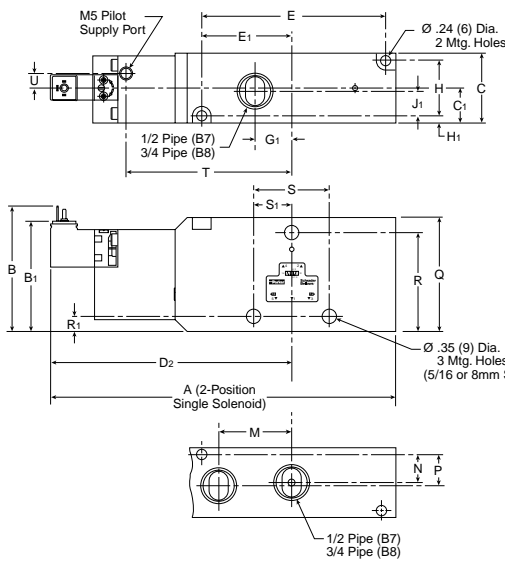
A 9.13 (232)	A₁ 11.29 (287)	A₂ 7.79 (198)	A₃ 8.62 (219)
B 2.95 (75)	B₁ 2.59 (66)	C 1.65 (42)	C₁ .83 (21)
D₁ 4.29 (109)	D₂ 5.63 (143)	E 4.21 (107)	E₁ 2.13 (54)
F 4.06 (103)	G 1.73 (44)	G₁ .87 (22)	H 1.29 (33)
H₁ .16 (4)	J .75 (19)	J₁ .59 (15)	L 3.39 (86)
M 1.69 (43)	N .67 (17)	P .75 (19)	P₁ .59 (15)
Q 2.68 (68)	R 2.32 (59)	R₁ .35 (9)	S 1.81 (46)
S₁ .90 (23)	T 3.94 (100)	U .35 (9)	

Inches (mm)

B7
B8 **Single Operators – 3-Way Inline**

Solenoid

Remote Pilot



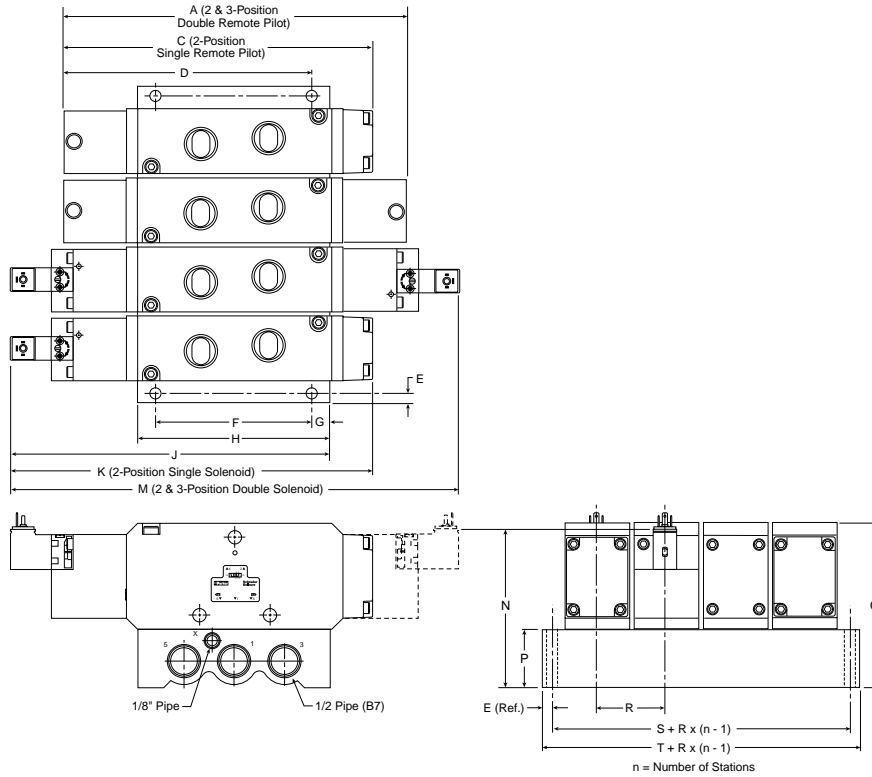
B7 & B8 3-Way Inline

A 7.99 (203)	A₂ 6.65 (169)	B 2.95 (75)	B₁ 2.59 (66)
C 1.65 (42)	C₁ .83 (21)	D₁ 4.29 (109)	D₂ 5.63 (143)
E 4.21 (107)	E₁ 2.13 (54)	F 4.06 (103)	G₁ .86 (22)
H 1.29 (33)	H₁ .16 (4)	J₁ .59 (15)	M 1.69 (43)
N .67 (17)	P .75 (19)	Q 2.68 (68)	R 2.32 (59)
R₁ .35 (9)	S 1.81 (46)	S₁ .90 (23)	T 3.94 (100)
U .35 (9)			

Inches (mm)

B7
B8

**Single & Double Operators –
 4-Way IEM Aluminum Bar**



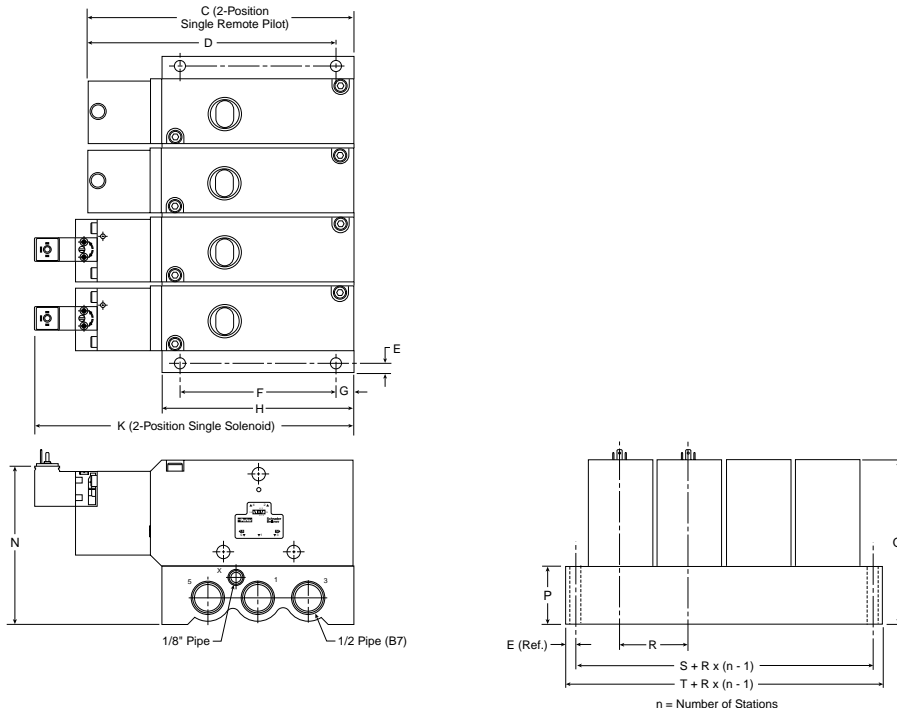
**B7 & B8 4-Way
 IEM Aluminum
 Bar Manifold**

A 7.79 (198)	C 8.62 (219)	D 6.26 (159)	E .24 (6)
F 3.94 (100)	G .45 (11,5)	H 4.84 (123)	J 8.07 (205)
K 9.13 (232)	M 11.29 (287)	N 4.00 (101,5)	P 1.48 (37,5)
Q 4.15 (105,5)	R 1.77 (45)	S 2.24 (57)	T 2.72 (69)

Inches (mm)

B7
B8

Single Operators – 3-Way IEM Aluminum Bar



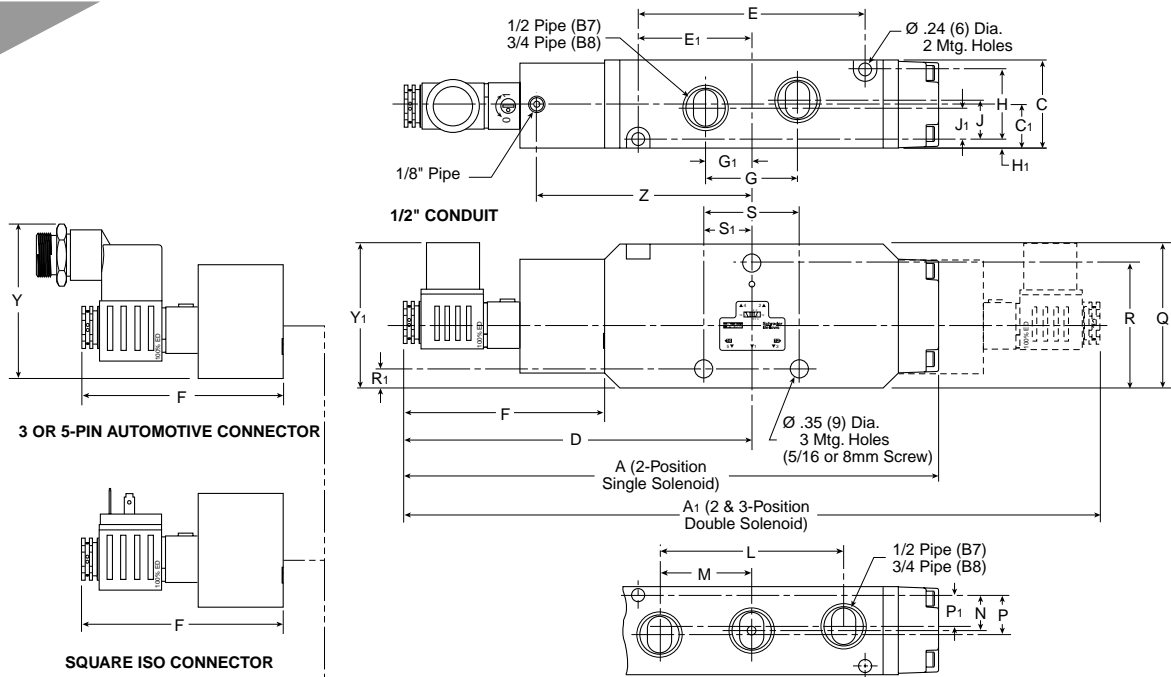
**B7 & B8 3-Way
 IEM Aluminum
 Bar Manifold**

C 6.65 (169)	D 4.92 (124,9)	E .24 (6)	F 3.94 (100)
G .45 (11,5)	H 4.84 (123)	K 7.99 (203)	N 4.00 (101,5)
P 1.48 (37,5)	Q 4.15 (105,5)	R 1.77 (45)	S 2.24 (57)
T 2.72 (69)			

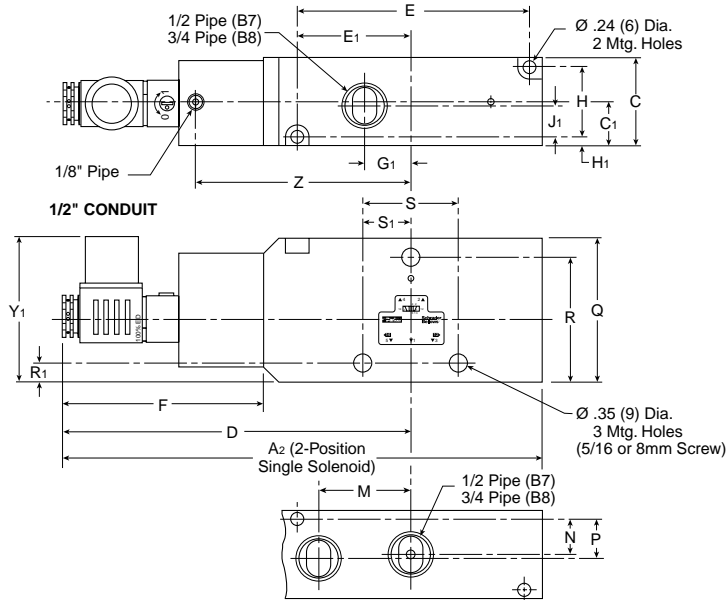
Inches (mm)

B7
B8

4-Way Alternative Electrical Enclosures



3-Way Alternative Electrical Enclosures



B7 & B8 4-Way Alternative – Electrical Enclosures, Inches (mm)

A	A₁	A₂	C	C₁	D	E	E₁	F	G	G₁	H	H₁
9.92 (252)	12.91 (328)	8.78 (223)	1.65 (42)	.83 (21)	6.46 (164)	4.21 (107)	2.13 (54)	3.74 (95)	1.73 (44)	.86 (22)	1.29 (33)	.16 (4)
J	J₁	L	M	N	P	P₁	Q	R	R₁	S	S₁	Y
.75 (19)	.59 (15)	3.39 (86)	1.69 (43)	.67 (17)	.75 (19)	.59 (15)	2.68 (68)	2.32 (59)	.35 (9)	1.81 (46)	.90 (23)	2.87 (73)
Y₁	Z											
2.71 (69)	3.98 (101)											

Definitions

- CSA NRTL-C** Canadian Standards Association and UL Applicable. (See page 22)
- IP65** International classification system for sealing effectiveness for enclosures of electrical equipment. IP stands for "Ingress Protection" and the two digits XY stand for: X - protection from solid objects and Y - protection from moisture. IP 65 is protection from dust and water washdown.
- NEMA 4** National standard for electrical enclosure protection. NEMA 4 provides protection against dirt, dust, water hosedown and rain. (Similar to IP 65)
- DIN 43650C** International standard for the 15mm 3-Pin connector. The pin spacing is 8mm.
- 3-WAY** Valve has three ways for air to flow. Also designated as 3/2.
- 4-WAY** Valve has four ways for air to flow. Also designated as 5/2 for 2-Position and 5/3 for 3-Position.
- NC** Normally Closed. Pressure is blocked when in neutral position. (Normally Non-Passing)
- NO** Normally Open. Pressure passes thru when in neutral position. (Normally Passing)
- IEM** Inlet / Exhaust manifold. The inlet and exhaust ports are located in the manifold. The cylinder ports are accessed in the valve.
- 5-Port Subbase Bar Manifold**
 Manifold that includes the inlet and outlet ports as well as the #2 & #4 cylinder ports. Utilizes a subbase valve less base.
- NLMOR** Non-Locking Manual Override. A constant actuation must be maintained for the valve to remain shifted.
- LMOR** Locking Manual Override. Valve remains shifted without constant end user override actuation.
- Surge Suppression**
 Nullifies reverse EMF generated when a solenoid is de-energized.
- SCFM** Measure of air flow. Standard Cubic Feet per Minute at 68°F and 36% humidity at sea level.
- PSIG** Pounds per Square Inch measured with a gage. (Catalog pressure reflects PSIG)
- PSIA** Pounds per Square Inch atmospheric.
- kPa** Kilopascals. International measure of pressure. 145 PSIG = 1000 kPa
- PSIG = 0 → PSIA = 14.7 → In. of Hg = 29.92 → kPa = 0

Product Shipping Weights

Series	Single Solenoid	3-Position Solenoid	Manifold Stackable	Subbase	End Plate
B2	.20	.30	—	—	—
B3	.25	.35	.20	.60	.50
B4	.50	.60	.20	—	—
B5	.70	.80	.20	.80	.70
B6	1.8	2.4	—	—	—
B7	2.5	2.9	—	—	—
B8	2.5	2.9	—	—	—

Weights are in pounds and are approximate.

C_v Calculations

C_v Measure of calculating flow of a valve (or other pneumatic device) that takes into effect the temperature, pressure, pressure drop, and flow. As a rule of thumb, a Cv of 1.0 is 25 SCFM with a 5 PSIG pressure drop.

$$C_v = \frac{\text{Cylinder Area (Sq. In.)} \times \text{Cylinder Stroke (In.)} \times \text{Compression Factor (Table 1)}}{\text{Stroke Time (sec.)} \times 28.8}$$

Table 1
Compression Factors and "A" Constants

Inlet Pressure (PSIG)	Compression Factor	"A" Constants for Various Pressure Drop*		
		2 PSI Δ P	5 PSI Δ P	10 PSI Δ P
10	1.6	.155	.102	
20	2.3	.129	.083	.066
30	3.0	.113	.072	.055
40	3.7	.097	.064	.048
50	4.4	.091	.059	.043
60	5.1	.084	.054	.040
70	5.7	.079	.050	.037
80	6.4	.075	.048	.035
90	7.1	.071	.045	.033
100	7.8	.068	.043	.031
110	8.5	.065	.041	.030
120	9.2	.062	.039	.029
130	9.9	.060	.038	.028
140	10.6	.058	.037	.027
150	11.2	.056	.036	.026
160	11.9	.055	.035	.026
170	12.6	.054	.034	.025
180	13.3	.052	.033	.024
190	14.0	.051	.032	.024
200	14.7	.050	.031	.023

Note: Use "A" constant at 5 PSI Δ P for most applications. On very critical applications, use "A" at 2 PSI Δ P. You will find in many cases, a 10 PSI Δ P is not detrimental, and can save money and mounting space.

* Tabulated values are the solution of $\frac{1}{22.48} \sqrt{\frac{GT}{(P_1 - P_2) P_2}}$ where T is for 68°F and G = 1 for Air.

Table 2
Effective Square-Inch Areas for Standard-Bore-Size Cylinders

Bore Size	Cylinder Area (Sq. In.)	Bore Size	Cylinder Area (Sq. In.)
3/4"	.44	4"	12.57
1"	.79	4-1/2"	15.90
1-1/8"	.99	5"	19.64
1-1/4"	1.23	6"	28.27
1-1/2"	1.77	7"	38.48
1-3/4"	2.41	8"	50.27
2"	3.14	10"	78.54
2-1/2"	4.91	12"	113.10
3-1/4"	8.30	14"	153.94
3-5/8"	10.32		

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B2 Series		
B22CAB549C	Use Repair Kit	Body Service Kit PS4401CP
B22CBB542C	B320BB542C	Functional Replacement or Body Service Kit PS4401CP
B22CBB545C	B320BB545C	Functional Replacement or Body Service Kit PS4401CP
B22CBB549C	B320BB549C	Functional Replacement or Body Service Kit PS4401CP
B22CBB553C	B320BB553C	Functional Replacement or Body Service Kit PS4401CP
B22CBC549C	B320BC549C	Functional Replacement or Body Service Kit PS4401CP
B22CBD547C	B320BD547C	Functional Replacement or Body Service Kit PS4401CP
B22CBD54902C	B320BD54902C	Functional Replacement or Body Service Kit PS4401CP
B22CBD549C	B320BD549C	Functional Replacement or Body Service Kit PS4401CP
B22CBD553C	B320BD553C	Functional Replacement or Body Service Kit PS4401CP
B22CKB553C	Use Repair Kit	Body Service Kit PS4401CP
B22VXB542C	Use Repair Kit	Body Service Kit PS4401CP
B22VXB545C	Use Repair Kit	Body Service Kit PS4401CP
B22VXB549C	Use Repair Kit	Body Service Kit PS4401CP
B22VXB55302C	Use Repair Kit	Body Service Kit PS4401CP
B22VXB553C	Use Repair Kit	Body Service Kit PS4401CP
B22VXC549C	Use Repair Kit	Body Service Kit PS4401CP
B22VXD547C	Use Repair Kit	Body Service Kit PS4401CP
B22VXD549C	Use Repair Kit	Body Service Kit PS4401CP
B24C000XXC	B340000XXC	Functional Replacement or Body Service Kit PS4401CP
B24V000XXC	Use Repair Kit	Body Service Kit PS4401CP
B25CBB545C	B350BB545C	Functional Replacement or Body Service Kit PS4402CP
B25CBB549C	B350BB549C	Functional Replacement or Body Service Kit PS4402CP
B25CBB553C	B350BB553C	Functional Replacement or Body Service Kit PS4402CP
B25CBC549C	B350BC549C	Functional Replacement or Body Service Kit PS4402CP
B25CBD547C	B350BD547C	Functional Replacement or Body Service Kit PS4402CP
B25CXB553C	B350XB553C	Functional Replacement or Body Service Kit PS4402CP
B25VXB542C	Use Repair Kit	Body Service Kit PS4402CP
B25VXB545C	Use Repair Kit	Body Service Kit PS4402CP
B25VXB549C	Use Repair Kit	Body Service Kit PS4402CP
B25VXB553C	Use Repair Kit	Body Service Kit PS4402CP
B25VXD547C	Use Repair Kit	Body Service Kit PS4402CP
B25VXE549C	Use Repair Kit	Body Service Kit PS4402CP
B26CBB549C	B360BB549C	Functional Replacement or Body Service Kit PS4403CP
B26CBB553C	B360BB553C	Functional Replacement or Body Service Kit PS4403CP
B26CXB553C	B360XB553C	Functional Replacement or Body Service Kit PS4403CP

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B26VXB549C	Use Repair Kit	N/R Kit
B26VXB553C	Use Repair Kit	N/R Kit
B26VXC549C	Use Repair Kit	N/R Kit
B28C000XXC	B380000XXC	Functional Replacement or Body Service Kit PS4402CP
B28V000XXC	Use Repair Kit	Body Service Kit PS4402CP
B29C000XXC	B390000XXC	Functional Replacement or Body Service Kit PS4403CP
B2ACBB545C	Use Repair Kit	Body Service Kit PS4401CP
B2ACBB549C	Use Repair Kit	Body Service Kit PS4401CP
B2ACBB553C	Use Repair Kit	Body Service Kit PS4401CP
B2ACBC549C	Use Repair Kit	Body Service Kit PS4401CP
B2ACBC553C	Use Repair Kit	Body Service Kit PS4401CP
B2ACBD549C	Use Repair Kit	Body Service Kit PS4401CP
B2ECAB549C	Use Repair Kit	Body Service Kit PS4401CP
B2ECAB553C	Use Repair Kit	Body Service Kit PS4401CP
B2ECBB542C	B3E0BB542C	Functional Replacement or Body Service Kit PS4401CP
B2ECBB545C	B3E0BB545C	Functional Replacement or Body Service Kit PS4401CP
B2ECBB549C	B3E0BB549C	Functional Replacement or Body Service Kit PS4401CP
B2ECBB553C	B3E0BB553C	Functional Replacement or Body Service Kit PS4401CP
B2ECBB553CL	B3E0BB553CL	Functional Replacement or Body Service Kit PS4401CP
B2ECBC553C	B3E0BC553C	Functional Replacement or Body Service Kit PS4401CP
B2ECBD547C	B3E0BD547C	Functional Replacement or Body Service Kit PS4401CP
B2ECBD549C	B3E0BD549C	Functional Replacement or Body Service Kit PS4401CP
B2ECBD553C	B3E0BD553C	Functional Replacement or Body Service Kit PS4401CP
B2ECBE549C	B3E0BE549C	Functional Replacement or Body Service Kit PS4401CP
B2ECBE553C	B3E0BE553C	Functional Replacement or Body Service Kit PS4401CP
B2ECKB549C	Use Repair Kit	Body Service Kit PS4401CP
B2ECXB545C	B3E0XB545C	Functional Replacement or Body Service Kit PS4401CP
B2ECXB549C	B3E0XB549C	Functional Replacement or Body Service Kit PS4401CP
B2EVXB542C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXB545C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXB54901C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXB55302C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXC549C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXC55302C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXC553C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXD547C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXD54902C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXD549C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXE549C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXE553C	Use Repair Kit	Body Service Kit PS4401CP
B2EVXXXXC	Use Repair Kit	Body Service Kit PS4401CP

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B2FC000XX01C	Use Repair Kit	Body Service Kit PS4401CP
B2FC000XXC	B3F0000XXC	Functional Replacement or Body Service Kit PS4401CP
B2FC000XXF	B3F0000XXF	Functional Replacement or Body Service Kit PS4401CP
B2FCX00XXC	B3FOX00XXC	Functional Replacement or Body Service Kit PS4401CP
B2FV000XXC	Use Repair Kit	Body Service Kit PS4401CP
B2JCB549C	B3J0BB549C	Functional Replacement or Body Service Kit PS447100CP
B2JCB553C	B3J0BB553C	Functional Replacement or Body Service Kit PS447100CP
B2JVXB553C	Use Repair Kit	Body Service Kit PS447102CP
B2MC000XXC	B3M0000XXC	Functional Replacement or Body Service Kit PS447100CP
B2NV00000C	Use Repair Kit	N/R Kit
B2SC00000C	Use Repair Kit	Body Service Kit PS4401CP
B2SCBB543M8F	Use Repair Kit	Body Service Kit PS4401CP
B2SCBB549C	Use Repair Kit	Body Service Kit PS4401CP
B2VCAB553C	Use Repair Kit	Body Service Kit PS447102CP
B2VCBB542C	B3V0BB542C	Functional Replacement or Body Service Kit PS447101CP
B2VCBB549C	B3V0BB549C	Functional Replacement or Body Service Kit PS447101CP
B2VCBB553C	B3V0BB553C	Functional Replacement or Body Service Kit PS447101CP
B2VCBC542C	B3V0BC542C	Functional Replacement or Body Service Kit PS447101CP
B2VCBC549C	B3V0BC549C	Functional Replacement or Body Service Kit PS447101CP
B2VCBC553C	B3V0BC553C	Functional Replacement or Body Service Kit PS447101CP
B2VCBE547C	B3V0BE547C	Functional Replacement or Body Service Kit PS447101CP
B2VCKB545C	Use Repair Kit	Body Service Kit PS447102CP
B2VCKB549C	Use Repair Kit	Body Service Kit PS447102CP
B2VCXB553C	B3V0XB553C	Functional Replacement or Body Service Kit PS447101CP
B2VVXB545C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXB549C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXB55302C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXB553C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXC549C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXD547C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXD549C	Use Repair Kit	Body Service Kit PS447102CP
B2VVXD55302C	Use Repair Kit	Body Service Kit PS447102CP
B2WCAB549C	Use Repair Kit	Body Service Kit PS447102CP
B2WCBB549C	B3W0BB549C	Functional Replacement or Body Service Kit PS447102CP
B2WCBC549C	B3W0BC549C	Functional Replacement or Body Service Kit PS447102CP
B2WCBC553C	B3W0BC553C	Functional Replacement or Body Service Kit PS447102CP
B2WCBD547C	B3W0BD547C	Functional Replacement or Body Service Kit PS447102CP
B2WCBE549C	B3W0BE549C	Functional Replacement or Body Service Kit PS447102CP

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B2WVXB549C	Use Repair Kit	Body Service Kit PS447102CP
B2WVXB553C	Use Repair Kit	Body Service Kit PS447102CP
B2XC000XXC	B3X0000XXC	Functional Replacement or Body Service Kit PS447101CP
B2XC000YYC	B3X0000YYC	Functional Replacement or Body Service Kit PS447101CP
B2XCA00XXC	Use Repair Kit	Body Service Kit PS447101CP
B2XV000XXC	Use Repair Kit	Body Service Kit PS447101CP
B2YC000XXC	B3Y0000XXC	Functional Replacement or Body Service Kit PS447102CP
B2YC000XXM8C	B3Y0000XXM8C	Functional Replacement or Body Service Kit PS447102CP

B3 Series		
B310AB549C	B310BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B310AB553C	B310BB553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B310AC545C	B310BC545C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B310AC549C	B310BC549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B310AC55302C	B310BC55302C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B310AC553C	B310BC553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B310BA542C	B310BB542C	Replacement Valve Difference No Override to Non-Locking Flush
B310BA545C	B310BB545C	Replacement Valve Difference No Override to Non-Locking Flush
B310BA549C	B310BB549C	Replacement Valve Difference No Override to Non-Locking Flush
B310BA553C	B310BB553C	Replacement Valve Difference No Override to Non-Locking Flush
B310BB540C	Use Repair Kit	Order B31VBXXXC + Solenoid Service Kit PS2982B40P
B310BC540C	Use Repair Kit	Order B310BXXXC + Solenoid Service Kit PS2982B40P
B310EA549C	B310EB549C	Replacement Valve Difference No Override to Non-Locking Flush
B312BA553C	B310BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline and No Override to Non-Locking Flush or Body Service Kit PS2901CP
B312BB549C	B310BB549C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B312BB553C	B310BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B312BC545C	B310BC545C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B312BC549C	B310BC549C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B312BC553C	B310BC553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B312EC553C	B310EC553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B314BA553C	B310BA553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline and No Override to Non-Locking Flush or Body Service Kit PS2901CP
B314BB545C	B310BB545C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B314BB553C	B310BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B315AB549C	B315BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B315AB557C	B315BB557C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B315WB553C	B315XB553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B316BB553C	B31FBB553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4, & 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B316BC545C	B31FBC545C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4, & 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B316BC553C	B31FBC553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4, & 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B31EBA553C	B310BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline, Non-Locking Flush
B31EBB545C	B310BB545C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B31EBB549C	B310BB549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B31EBC545C	B310BC545C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B31EBC549C	B310BC549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B31EBC553C	B310BC553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B31EEC553C	B310EC553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B31FBA553C	B31FBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B31GBA542C	B31HBB542C	Replacement Valve Difference 1/4" NPTF Subbase, Non-Locking Flush
B31GBA553C	B31HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase, No Override to Non-Locking Flush
B31GBB542C	B31HBB542C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBB545C	B31HBB545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBB549C	B31HBB549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBB553C	B31HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBB557C	B31HBB557C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBC545C	B31HBC545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBC54901C	B31HBC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase and Customer Switch Operator Ends
B31GBC549C	B31HBC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBC553C	B31HBC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBD549C	B31HBD549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBE545C	B31HBE545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GBE553C	B31HBE553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GEC54902C	B31HEC54902C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31GEC553C	B31HEC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B31HAE549C	B31HBE549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B31HBA549C	B31HBB549C	Replacement Valve Difference No Override to Non-Locking Flush
B31HBA553C	B31HBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B31HBC540C	Use Repair Kit	Order B31VBXXXC +Solenoid Service Kit PS2982B40P
B31MBB549C	B31HBB549C	Replacement Valve Difference 1/8" BSPP Subbase to 1/4" NPTF Subbase or Body Service Kit PS2901CP
B31NBB549C	B31HBB549C	Replacement Valve Difference 1/4" BSPP Subbase to 1/4" NPTF Subbase or Body Service Kit PS2901CP
B31TAC549C	B31TBC549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B31TAC553C	B31TBC553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B31VAB553C	B31VBB553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B31VAD553C	B31VBD553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B31VBA542C	B31VBB542C	Replacement Valve Difference No Override to Non-Locking Flush
B31VBA553C	B31VBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B31VBB54501CX	Use Repair Kit	Order B31VBB545C Customer Switch Operator Ends.
B31VBC54002C	Use Repair Kit	Order B31VBXXXC + Solenoid Service Kit PS2982B40P
B31VBC540C	Use Repair Kit	Order B31VBXXXC + Solenoid Service Kit PS2982B40P
B31VBE54901C	Use Repair Kit	Replacement Valve Order B31VBB545C Customer Switch Operator Ends.
B31VBE55301C	Use Repair Kit	Replacement Valve Order B31VBB545C Customer Switch Operator Ends.
B31VWB549C	B31VXB549C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B31VWB553C	B31VXB553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B31VWC553C	B31VXC553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B320AB542C	B320BB542C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B320AB549C	B320BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B320AB553C	B320BB553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B320AC549C	B320BC549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B320AC553C	B320BC553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B320BA545C	B320BB545C	Replacement Valve Difference No Override to Non-Locking Flush
B320BA549C	B320BB549C	Replacement Valve Difference No Override to Non-Locking Flush
B320BA553C	B320BB553C	Replacement Valve Difference No Override to Non-Locking Flush
B320BB540C	Use Repair Kit	Order B320BXXXXC + Solenoid Service Kit PS298B40P
B320BC540C	Use Repair Kit	Order B320BXXXXC + Solenoid Service Kit PS298B40P
B320EA549C	B320EB549C	Replacement Valve Difference No Override to Non-Locking Flush
B320EA553C	B320EB553C	Replacement Valve Difference No Override to Non-Locking Flush
B320WB549C	B320XB549C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B322BA553C	B320BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline and No Override to Non-Locking Flush or Body Service Kit PS2901CP
B322BB553C	B320BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B324BA553C	B320BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline and No Override to Non-Locking Flush or Body Service Kit PS2901CP
B324BB553C	B320BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B325AB549C	B325BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B325AB553C	B325BB553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B325AB557C	B325BB557C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B326BB553C	B32FBB553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B326BC549C	B32FBC549C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B326BD553C	B32FBD553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B326EB553C	B32FEB553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B32EBA553C	B320BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline, Non-Locking Flush
B32EBB549C	B320BB549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B32EBB553C	B320BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B32ELC549C	B320LC549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B32FBA553C	B32FBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B32GBA553C	B32HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase, No Override to Non-Locking Flush
B32GBB542C	B32HBB542C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32GBB545C	B32HBB545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32GBB549C	B32HBB549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32GBB553C	B32HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32GBC542C	B32HBC542C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B32GBC549C	B32HBC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32GBC553C	B32HBC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32GBD547C	B32HBD547C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B32HBA553C	B32HBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B32HBB540C	Use Repair Kit	Order B32HBXXXX + Solenoid Service Kit PS2982B40P
B32MBE553C	B32HBE553C	Replacement Valve Difference 1/8" BSPP Subbase to 1/4" NPTF Subbase or Body Service Kit PS2901CP
B32TAC553C	B32TBC553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B32VBA553C	B32VBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B32VBB540C	Use Repair Kit	Order B32VBXXXX + Solenoid Service Kit PS2982b40P
B32VWB549C	B32VXB549C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B32VWB553C	B32VXB553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B32VWC553C	B32VXC553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B332000XXC	B330000XXC	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B334000XXC	B330000XXC	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B336000XXC	B33F000XXC	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B33E000XXC	B330000XXC	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B33G000XXC	B33H000XXC	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B342000XXC	B340000XXC	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B346000XXC	B34F000XXC	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B34G000XXC	B34H000XXC	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B350AB549C	B350BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B350AC545C	B350BC545C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B350AC549C	B350BC549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B350BA549C	B350BB549C	Replacement Valve Difference No Override to Non-Locking Flush
B350BA553C	B350BB553C	Replacement Valve Difference No Override to Non-Locking Flush
B350BC540C	Use Repair Kit	Order B350BXXXX + Solenoid Service Kit PS298B40P
B350EA549C	B350EB549C	Replacement Valve Difference No Override to Non-Locking Flush
B352BB553C	B350BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2902CP
B355AB557C	B355BB557C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B356BC549C	B35FBC549C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2902CP
B356BC553C	B35FBC553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2902CP
B35EBC553C	B350BC553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B35EBE549C	B350BE549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B35GBB545C	B35HBB545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GBB553C	B35HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GBC542C	B35HBC542C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GBC549C	B35HBC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GBC553C	B35HBC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GEC545C	B35HEC545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GEC549C	B35HEC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35GEC553C	B35HEC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B35HBA545C	B35HBB545C	Replacement Valve Difference No Override to Non-Locking Flush
B35HBA549C	B35HBB549C	Replacement Valve Difference No Override to Non-Locking Flush
B35NBB549C	B35HBB549C	Replacement Valve Difference 1/8" BSPP Subbase to 1/4" NPTF Subbase or Body Service Kit PS2902CP
B35NBB553C	B35HBB553C	Replacement Valve Difference 1/8" BSPP Subbase to 1/4" NPTF Subbase or Body Service Kit PS2902CP
B35NEC549C	B35HEC549C	Replacement Valve Difference 1/8" BSPP Subbase to 1/4" NPTF Subbase or Body Service Kit PS2902CP
B35VBA549C	B35VBB549C	Replacement Valve Difference No Override to Non-Locking Flush

Suggested Cross Reference

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B35VWB553C	B35VXB553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/Vented/Side Only Aval. For 4-Way
B360AB549C	B360BB549C	Replacement Valve Difference #1/Tapped/Side to #1/Vented/Side
B360BA540C	Use Repair Kit	Body Service Kit PS2902CP
B360BB549C2	Use Repair Kit	N/R Kit
B362BB549C	B36BB549C	Replacement Valve Difference Port 1, 2, & 4 - Tube Inline to 1/8" NPT Inline
B36EBB549C	B360BB549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B36GBB549C	B36HBB549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36GBB553C	B36HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36GBC542C	B36HBC542C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36GBC553C	B36HBC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36GBD549C	B36HBD549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36GEC54902C	B36HEC5492C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36GEC549C	B36HEC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B36HBA549C	B36HBB549C	Replacement Valve Difference No Override to Non-Locking Flush
B36HBA553C	B36HBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B36VBD548VDC	Use Repair Kit	No Func. Replacement use Standard; B36VBD548
B36VXB553VDC	Use Repair Kit	No Func. Replacement use Standard; B36VXB553
B36VXXXXVDC	Use Repair Kit	No Func. Replacement use Standard; B36VXXXX
B370BA553C	B370BB553C	Replacement Valve Difference No Override to Non-Locking Flush
B370EC540C	Use Repair Kit	Order B370EXXXC + Solenoid Service Kit PS2982B40P
B372BB553C	B370BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2904CP
B376BB553C	B37FBB553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2904CP
B37GBB542C	B37HBB542C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B37GBB553C	B37HBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B37GBC549C	B37HBC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B37GBC553C	B37HBC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B37GBD549C	B37HBD549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B37GEC549C	B37HEC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B37GEC553C	B37HEC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B37HBA553C	B37HBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B384000XXC	B380000XXC	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2902CP
B386000XXC	B38F000XXC	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2902CP
B38E000XXC	B380000XXC	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B39G000XXC	B39H000XXC	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3A0BB545C	Use Repair Kit	Body Service Kit PS2901P
B3A0BB549C	Use Repair Kit	Body Service Kit PS2901P
B3A0BB553C	Use Repair Kit	Body Service Kit PS2901P
B3A0BD548C	Use Repair Kit	Body Service Kit PS2901P
B3AVBB553C	Use Repair Kit	Body Service Kit PS2901P
B3B0BB55301C	Use Repair Kit	N/R Kit
B3B0BB553C	Use Repair Kit	N/R Kit
B3E0AB542C	B3E0BB542C	Replacement Valve Difference #1/Tapped/Side to #1/Vented/Side
B3E0AB553C	B3E0BB553C	Replacement Valve Difference #1/Tapped/Side to #1/Vented/Side
B3E0AC549C	B3E0BC549C	Replacement Valve Difference #1/Tapped/Side to #1/Vented/Side
B3E0BA542C	B3E0BB542C	Replacement Valve Difference No Override to Non-Locking Flush
B3E0BA545C	B3E0BB545C	Replacement Valve Difference No Override to Non-Locking Flush
B3E0BA553C	B3E0BB553C	Replacement Valve Difference No Override to Non-Locking Flush
B3E0BB54903C	Use Repair Kit	Order B3E0BB54902C Customer Switch Operator Ends.
B3E0DD547C	B3E0ED547C	Replacement Valve Difference #3/Tapped/Side 4-Way Valves Only to #3/Vented/Side 4-Way Valves Only
B3E0DE547C	B3E0EE547C	Replacement Valve Difference #3/Tapped/Side 4-Way Valves Only to #3/Vented/Side-4-Way Valves Only
B3E6BB553C	B3EFBB553C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B3E6BC557C	B3EFBC557C	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B3E6BB549C	B3E0BB549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline

Suggested Cross Reference

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B3EFBA553C	B3EFBB553C	Replacement Valve Difference No Override to Non-Locking Flush
B3EGBB545C	B3EHBB545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBB549C	B3EHBB549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBB553C	B3EHBB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBB557C	B3EHBB557C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBC549C	B3EHBC549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBC553C	B3EHBC553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBD545C	B3EHBD545C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGBD549C	B3EHBD549C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EGXB553C	B3EHXB553C	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3EVAC55302C	B3EVBC5532C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3EVBE54901C	Use Repair Kit	Replacement Valve Order B3EVBE549C Customer Switch Operator Ends.
B3EVWB549C	B3EVXB549C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/ Vented/Side Only Aval. For 4-Way
B3EVWB553C	B3EVXB553C	Replacement Valve Difference Manifold/Tapped/Side to Manifold/ Vented/Side Only Aval. For 4-Way
B3EVXB55301C	Use Repair Kit	Replacement Valve Order B3AVWB553C Customer Switch Operator Ends.
B3EVXB553VDC	Use Repair Kit	Spool Kit; PS2901VCP or Standard B3EVXB553.
B3EVXE54901C	Use Repair Kit	Replacement Valve Order B3EVXE549C Customer Switch Operator Ends
B3EVXXXXV1C	Use Repair Kit	N/R Kit
B3F6000XXC	B3FH000XXC	Replacement Valve Difference 1/4" Tube, Ports 2,3,4,& 5- Inline to 1/4" Tube Ports 2 & 4 - Inline or Body Service Kit PS2901CP
B3FG000XXC	B3FH000XXC	Replacement Valve Difference 1/8" NPTF Subbase to 1/4" NPTF Subbase
B3G0AB545C	B3G0BB545C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3G0AB549C	B3G0BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3G0BA545C	B3G0BB545C	Replacement Valve Difference No Override to Non-Locking Flush
B3G0BA553C	B3G0BB553C	Replacement Valve Difference No Override to Non-Locking Flush
B3G2BA553C	B3G0BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline and No Override to Non-Locking Flush or Body Service Kit PS2971CP

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B3G2BB553C	B3G0BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2971CP
B3G2BC549C	B3G0BC549C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2971CP
B3G2BC553C	B3G0BC553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2971CP
B3G5AB549C	B3G5BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3G5AB553C	B3G5BB553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3G5AB557C	B3G5BB557C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3G5BA545C	B3G5BB545C	Replacement Valve Difference No Override to Non-Locking Flush
B3G6BC553C	B3GBC553C	Replacement Valve Difference Ports 2,3,4,5 - 1/4" Tube Inline to Port 1,2,4 - 1/4" Tube Inline
B3GEBA553C	B3G0BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline, No Override to Non-Locking Flush
B3GEBB553C	B3G0BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B3GEBBC545C	B3G0BC545C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B3H0AC553C	B3H0BC553C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3H2BB553C	B3H0BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2971CP
B3HEBC549C	B3H0BC549C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B3J0BB540C	Use Repair Kit	Order B3J0BXXXXC + Solenoid Service PS2982B40P
B3J2BA553C	B3J0BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline and No Override to Non-Locking Flush or Body Service Kit PS2901CP
B3J2BB553C	B3J0BB553C	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B3JEBA553C	B3J0BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline, Non-Locking Flush
B3JEBB553C	B3J0BB553C	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline



Suggested Cross Reference

**“B” Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B3KE000XXC	B3K0000XXC	Replacement Valve Difference 4-Way: 5/32" (4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline
B3M2000XXC	B3M0000XXC	Replacement Valve Difference 5/32" (4mm) Tube Ports to 1/8" NPTF Inline or Body Service Kit PS2901CP
B3N0BB54902C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3N0BB549C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N0BB553C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N0BC549C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N0BC553C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N0BD547C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N0BD549C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N0BE547C	Use Repair Kit	Qty 2 of Service Kit PS297103
B3N2BB553C	Use Repair Kit	Port 1, 2, & 4 - Tube Inline to 1/8" NPT Inline, Qty 2 of Body Service Kit PS297103
B3N4BB553C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3N5BB553C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NEBB553C	Use Repair Kit	4-Way: 5/32"(4mm) Tube, Ports 2 & 4 - Inline, 3-Way: 5/32" (4mm) Tube, Port 2 to 1/8" NPT Inline, Qty 2 of Service Kit PS297103
B3NFBB542C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NFBB545C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NFBB549C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NGBB553C	Use Repair Kit	1/8" NPTF Subbase to 1/4" NPTF Subbase, Qty 2 of Service Kit PS297103
B3NVBB549C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NVBB553C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NVBC549C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NVBC553C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NVBD547C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3NVBE548C	Use Repair Kit	Qty 2 of Body Service Kit PS297103
B3P0BB54902C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P0BB549C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P0BB553C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P0BC542C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P0BC549C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P0BC553C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P0BE549C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3P3BD547C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3PHBD547C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3PVBB549C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3PVBB553C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3PVBC549C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3PVBC553C	Use Repair Kit	Qty 2 of Body Service Kit PS297104
B3Q0BB545C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3Q0BB54902C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3Q0BB553C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B3Q0BC549C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3Q0BC553C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3Q0BD547C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3Q3BD547C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QFBB549C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QVBB549C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QVBB553C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QVBC549C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QVBC553C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QVBD547C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3QVBE547C	Use Repair Kit	Body Service Kit PS297103 + Body Service Kit PS297104
B3S0BC553C	Use Repair Kit	N/R Kit
B3SFB549C	Use Repair Kit	N/R Kit
B3V0AA549C	B3V0BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side, No Override to Non-Locking Flush
B3V0AB542C	B3V0BB542C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B3V0BA549C	B3V0BB549C	Replacement Valve Difference Non-Locking Flush
B3W0AA549C	B3W0BB549C	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side, No Override to Non-Locking Flush
B3W0BA549C	B3W0BB549C	Replacement Valve Difference Non-Locking Flush to Lock Extended

B4 Series		
B411AB549A	B411BB549A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B411AB553A	B411BB553A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B411AC549A	B411BC549A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B411BA553A	B411BB553A	Replacement Valve Difference No Override to Flush Non-Locking
B416AB553A	B416BB553A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B41GBC553A	B414BC553A	Replacement Valve Difference Port 2 & 4 - 3/8" Tube Inline to Port 1, 2, & 4 - 3/8" Tube Inline or Body Service Kit PS4501P
B41GBD547A	Use Repair Kit	Service Kit PS4501P
B41LBB549A	Use Repair Kit	Body Service Kit PS4501P
B421BA553A	B421BB553A	Replacement Valve Difference No Override to Flush Non-Locking
B42GBB549A	B424BB549A	Replacement Valve Difference Port 2 & 4 - 3/8" Tube Inline to Port 1, 2, & 4 - 3/8" Tube Inline or Body Service Kit PS4501P



Suggested Cross Reference

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B44G000XXA	B444000XXA	Replacement Valve Difference Port 2 & 4 - 3/8" Tube Inline to Port 1, 2, & 4 - 3/8" Tube Inline or Body Service Kit PS4501P
B451AC549A	B451BC549A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B45GBB549A	B454BB549A	Replacement Valve Difference Port 2 & 4 - 3/8" Tube Inline to Port 1, 2, & 4 - 3/8" Tube Inline or Body Service Kit PS4502P
B45LAB553A	Use Repair Kit	8MM Tube (Cylinder Ports Only) Remaining Ports Are G 1/4 to 1/4" BSPP "G" Inline, #1/Tapped/Side to #1/Vented/Side, Service Kit PS4502P
B45LAB553F	Use Repair Kit	Body Service Kit PS4502P
B45LBB549A	Use Repair Kit	Body Service Kit PS4502P
B45LBB553A	Use Repair Kit	Body Service Kit PS4502P
B471BB549A	Use Repair Kit	Body Service Kit PS4501P
B48G000XXA	B484000XXA	Replacement Valve Difference Port 2 & 4 - 3/8" Tube Inline to Port 1, 2, & 4 - 3/8" Tube Inline or Body Service Kit PS4502P
B4A1BB553A	Use Repair Kit	Body Service Kit PS4501P
B4G1XB549A	Use Repair Kit	N/R Kit
B4G1XB553A	Use Repair Kit	N/R Kit
B4G6AB553A	B4G6BB553A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B4H1BB54902A	Use Repair Kit	N/R Kit
B4H1BB549A	Use Repair Kit	N/R Kit
B4H1BC549A	Use Repair Kit	N/R Kit
B4H4BB549A	Use Repair Kit	N/R Kit
B4H4BB553A	Use Repair Kit	N/R Kit
B4H6BD547A	Use Repair Kit	N/R Kit
B4S1BB553A	Use Repair Kit	Body Service Kit PS4571P
B4V1AB542A	B4V1BB542A	Replacement Valve Difference #1/ Tapped/Side to #1/Vented/Side
B4VBBE547A	Use Repair Kit	N/R Kit
B4W1BB553A	Use Repair Kit	N/R Kit
B4W1BC553A	Use Repair Kit	N/R Kit
B4W1LB549A	Use Repair Kit	External/Vented/Side to External/ Tapped/Side, N/R Kit
B4Y1000XXA	Use Repair Kit	N/R Kit
B4Y6000XXA	Use Repair Kit	N/R Kit
B5 Series		
B50H000XXC	B50J000XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B511AAR53C	B511ADR53C	Replacement Valve Difference No Override to Non-Locking Extended
B511ABA57V0C	B511ADA57V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B511ABB47MDC	B511ADB47MDC	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B511ABH57V0C	B511ADH57V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B511ACG47MDC	Use Repair Kit	Body Service Kit PS2801P
B511ACH49MDC	Use Repair Kit	Body Service Kit PS2801P

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B511ADB47MDC	Use Repair Kit	Body Service Kit PS2801P
B511ADH53MDC	Use Repair Kit	Body Service Kit PS2801P
B511BAC49C	B511BDC49C	Replacement Valve Difference No Override to Non-Locking Extended
B511BB553MDC	Use Repair Kit	Body Service Kit PS2801P
B511BBC53C	B511BDC53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B511BC545MDC	Use Repair Kit	Body Service Kit PS2801P
B511BC549MDC	Use Repair Kit	Body Service Kit PS2801P
B511BC553MDC	Use Repair Kit	Body Service Kit PS2801P
B511BCA49MDC	Use Repair Kit	Body Service Kit PS2801P
B511BE547MDC	Use Repair Kit	Body Service Kit PS2801P
B511DCG47MDC	Use Repair Kit	Body Service Kit PS2801P
B511WB549C	Use Repair Kit	Service Kit PS2801P
B511WCB53C	Use Repair Kit	Service Kit PS2801P
B511WDH53C	Use Repair Kit	Body Service Kit PS2801P
B512BB553MDC	Use Repair Kit	Body Service Kit PS2801P
B512BD553MDC	Use Repair Kit	Body Service Kit PS2801P
B512BDG47MDC	Use Repair Kit	Body Service Kit PS2801P
B51HAB549C	B51JAB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HAB553C	B51JAB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HAC542C	B51JAC542C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HAC553C	B51JAC553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACA49C	B51JACA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACA53C	B51JACA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACB49C	B51JACB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACB53C	B51JACB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACB57C	B51JACB57C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACC53C	B51JACC53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACD53C	B51JACD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACG49C	B51JACG49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACH45C	B51JACH45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACH49C	B51JACH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACH53C	B51JACH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACH57C	B51JACH57C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HACQ49C	B51JACQ49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADA49C	B51JADA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADA53C	B51JADA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase



Suggested Cross Reference

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B51HADB45C	B51JADB45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADB49C	B51JADB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADB53C	B51JADB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADB57C	B51JADB57C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HAD53C	B51JADC53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADD53C	B51JADD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADH49C	B51JADH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADH53C	B51JADH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HADH57C	B51JADH57C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBB54201C	Use Repair Kit	Order B51HBB542C Customer Switch Operator Ends.
B51HBB545C	B51JBB545C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBB549C	B51JBB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBB553C	B51JBB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBC553C	B51JBC553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBCC53C	B51JBCC53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBCH42C	B51JBCH42C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBCH49C	B51JBCH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBCH53C	B51JBCH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBD49C	B51JBDB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBD53C	B51JBDB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBDG53C	B51JBDG53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBDH49C	B51JBDH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HBDH53C	B51JBDH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HDCB49C	B51JDCB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HDCG48C	B51JDCG48C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKCB45C	B51JKCB45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKCB53C	B51JKCB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKCG45C	B51JKCG45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKCG4701C	Use Repair Kit	1/4" NPT Subbase to 3/8" NPT Subbase, N/R Kit Order B51HKCG47C Customer Switch Operator Ends

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B51HKCG47C	B51JKCG47C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKDB49C	B51JKDB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKDB53C	B51JKDB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKDG45C	B51JKDG45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKDG4701C	Use Repair Kit	1/4" NPT Subbase to 3/8" NPT Subbase, N/R Kit Order B51HKDG47C Customer Switch Operator Ends
B51HKDG47C	B51JKDG47C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51HKDH53C	B51JKDH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B51JEB54201C	Use Repair Kit	Replacement Valve Order B51JEB542C Customer Switch Operator Ends
B51NADA53C	Use Repair Kit	Body Service Kit PS2801P
B51NADB49C	Use Repair Kit	Body Service Kit PS2801P
B51NADB57C	Use Repair Kit	Body Service Kit PS2801P
B51TAC54901C	Use Repair Kit	Replacement Valve Order B51TAC549C Customer Switch Operator Ends
B51TAC54903C	Use Repair Kit	Order B51TAC54902C Customer Switch Operator Ends
B51TAC55301C	Use Repair Kit	Replacement Valve Order B51TAC553C Customer Switch Operator Ends
B51TAC55303C	Use Repair Kit	Order B51TAC55302C Customer Switch Operator Ends
B51TACB4901C	Use Repair Kit	Replacement Valve Order B51TACB49C Customer Switch Operator Ends
B51TACB4903C	Use Repair Kit	Order B51TACB4902C Customer Switch Operator Ends
B51TACB5301C	Use Repair Kit	Replacement Valve Order B51TACB53C Customer Switch Operator Ends
B51TACB5303C	Use Repair Kit	Order B51TACB5302C Customer Switch Operator Ends
B51TACD4901C	Use Repair Kit	Replacement Valve Order B51TACD49C Customer Switch Operator Ends
B51TACD4903C	Use Repair Kit	Order B51TACD4902C Customer Switch Operator Ends
B51TACD5301C	Use Repair Kit	Replacement Valve Order B51TACD53C Customer Switch Operator Ends
B51TACD5303C	Use Repair Kit	Order B51TACD5302C Customer Switch Operator Ends
B51TACH4901C	Use Repair Kit	Replacement Valve Order B51TACH49C Customer Switch Operator Ends
B51TACH4903C	Use Repair Kit	Order B51TACH4902C Customer Switch Operator Ends
B51TACH5301C	Use Repair Kit	Replacement Valve Order B51TACH5301C Customer Switch Operator Ends



Suggested Cross Reference

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B51TACH5303C	Use Repair Kit	Order B51TACH5302C Customer Switch Operator Ends
B51VKCG4801C	Use Repair Kit	Replacement Valve Order B51VKCG48C Customer Switch Operator Ends
B521ABA57V0C	B521ADA57V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B521ABH5302C	B521ADH5302C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B521ABH57V0C	B521ADH57V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B521BB540C	Use Repair Kit	Order B521BXXXXC+ Solenoid Service Kit PS2982B40P
B522BB540C	Use Repair Kit	Order B522BXXXXC+ Solenoid Service Kit PS2982B40P
B52HAB549C	B52JAB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HAB553C	B52JAB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HACA53C	B52JACA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HACB49C	B52JACB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HACB53C	B52JACB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HACF53C	B52JACF53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HACQ53C	B52JACQ53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADA49C	B52JADA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADA53C	B52JADA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADB49C	B52JADB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADB53C	B52JADB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADG49C	B52JADG49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADG57C	B52JADG57C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADH49C	B52JADH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADH53C	B52JADH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HADR53C	B52JADR53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HBB549C	B52JBB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HBB553C	B52JBB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HBDA49C	B52JBDA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HBDA53C	B52JBDA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HBD53C	B52JBD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B52HBDH53C	B52JBDH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HDDA53C	B52JDDA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52Hddb53C	B52Jddb53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HKB542C	B52JKB542C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HKDB49C	B52JKDB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HKDB53C	B52JKDB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52HKDG47C	B52JKDG47C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B52NADH57C	Use Repair Kit	Body Service Kit PS2801P
B52NBE553C	Use Repair Kit	Service Kit PS2801P
B532000XMDC	Use Repair Kit	Body Service Kit PS2801P
B53H000XXC	B53J000XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B53HD00XXC	B53JD00XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B53N000XXC	Use Repair Kit	Body Service Kit PS2801P
B53T000XX01C	Use Repair Kit	Replacement Valve Order B53T000XXC Customer Switch Operator Ends
B54H000XXC	B54J000XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B551BBA53C	B551BDA53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B551BBB45V0C	B551BDB45V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B552BBH49C	B552BDH49C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B552KBB49C	B552KDB49C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B55HAB549C	B55JAB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HACA53C	B55JACA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HACB49C	B55JACB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HACB53C	B55JACB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HACH53C	B55JACH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HADA49C	B55JADA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HADB49C	B55JADB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HADB53C	B55JADB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HAD53C	B55JAD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HAD53C	B55JADD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HADH49C	B55JADH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase



Suggested Cross Reference**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B55HADH53C	B55JADH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HBB549C	B55JBB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HBB553C	B55JBB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HBB557C	B55JBB557C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HBCB53C	B55JBCB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HDDB53C	B55JDDB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B55HKDB49C	B55JKDB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B561BBA53C	B561BDA53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B562BBA49C	B562BDA49C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B56HACB45C	B56JACB45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HACB49C	B56JACB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HACB53C	B56JACB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HACH49C	B56JACH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HACH53C	B56JACH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HADA49C	B56JADA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HADB45C	B56JADB45C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HADB49C	B56JADB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HADB53C	B56JADB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HADD53C	B56JADD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HADH53C	B56JADH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HBAE49C	B56JBAE49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HBB549C	B56JBB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HBB553C	B56JBB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HBC545C	B56JBC545C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HBC553C	B56JBC553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HDB49C	B56JDB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HEC549C	B56JEC549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56HKC553C	B56JKC553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B56JAAB53C	B56JABB53C	Replacement Valve Difference No Override to Non-Locking

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B571BBA53C	B571BDA53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B572BBA53C	B572BDA53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B57HACH53C	B57JACH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B57HADB49C	B57JADB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B57HADB53C	B57JADB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B57HADG49C	B57JADG49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B57HADG49C	B57JADG49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B57HKCB53C	B57JKCB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B58H000XXC	B58J000XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B59H000XXC	B59J000XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B59Y000YYC	B59V000YYC	Replacement Valve Difference Subbase Valve Less Base - BSPP "G" to Subbase Valve Less Base- NPT or Body Service Kit PS2803P
B5A1ABH49C	Use Repair Kit	Body Service Kit PS2801P
B5A1ADH53C	Use Repair Kit	Body Service Kit PS2801P
B5A1ADH57C	Use Repair Kit	Body Service Kit PS2801P
B5A1ADR49C	Use Repair Kit	Body Service Kit PS2801P
B5A1BB545C	Use Repair Kit	Body Service Kit PS2801P
B5A1BB553C	Use Repair Kit	Body Service Kit PS2801P
B5A1DB553C	Use Repair Kit	Body Service Kit PS2801P
B5A1KDH53C	Use Repair Kit	Body Service Kit PS2801P
B5AHBB553C	Use Repair Kit	1/4" NPT Subbase to 3/8" NPT Subbase, Body Service Kit PS2801P
B5AVADA53C	Use Repair Kit	Body Service Kit PS2801P
B5AVADB49C	Use Repair Kit	Body Service Kit PS2801P
B5AVBDA53C	Use Repair Kit	Body Service Kit PS2801P
B5B1ADB49C	Use Repair Kit	Body Service Kit PS2802P
B5E1DDA4501C	Use Repair Kit	Replacement Valve Order B51JEB542C Customer Switch Operator Ends
B5E2WDB53C	Use Repair Kit	Body Service Kit PS2801P
B5EHAB553C	B5EJAB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHACB53C	B5EJACB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHACH49C	B5EJACH49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADA49C	B5EJADA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADA53C	B5EJADA53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADB49C	B5EJADB49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADB53C	B5EJADB53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADD53C	B5EJADD53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase



Suggested Cross Reference

**“B” Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B5EHADG47C	B5EJADG47C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADG53C	B5EJADG53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADH53C	B5EJADH53C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADH53V0C	B5EJADH53V0C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHADH57C	B5EJADH57C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHBB549C	B5EJBB549C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHBB553C	B5EJBB553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHBC553C	B5EJBC553C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHBDA49C	B5EJBDA49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5EHBDG49C	B5EJBDG49C	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5FH000XXC	B5FJ000XXC	Replacement Valve Difference 1/4" NPT Subbase to 3/8" NPT Subbase
B5G1ABC53C	B5G1ADC53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B5G1ABH53V0C	B5G1ADH53V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B5G1BB540C	Use Repair Kit	Order B5G1BXXXXC+Solenoid Service Kit PS2982B40P
B5G1WDA53C	Use Repair Kit	Body Service Kit PS2871P
B5G2ABG47C	B5G2ADG47C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B5G2BA553C	B5G2BB553C	Replacement Valve Difference No Override to Non-Locking
B5G2BBB53C	B5G2BDB53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B5G2WDA53C	Use Repair Kit	Body Service Kit PS2871P
B5G8BC557C	Use Repair Kit	N/R Kit
B5S2ADG49C	Use Repair Kit	Body Service Kit PS2801P
B5S2BB549C	Use Repair Kit	Body Service Kit PS2871P
B5V1BBA53C	B5V1BDA53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B5V2ABA49V0C	B5V2ADA49V0C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking
B5V2WDB53C	Use Repair Kit	Body Service Kit PS2871P
B5W2ABB53C	B5W2ADB53C	Replacement Valve Difference Flush - Non-Locking to Extend Non-Locking

B6 Series

B612ACC53A	B612ACB53A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B612ADB53V0A	B612ADB53A	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2601VP
B612ADC42A	B612ADB42A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B612ADC49A	B612ADB49A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B612ADH53V0A	B612ADH53A	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2601VP
B612BB540A	Use Repair Kit	Service Kit Order B63T0XXXXC + Solenoid Service Kit PS2982B40P
B612BDC53A	B612BDB53A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B612BDC53AL	B612BDB53AL	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B612BDD49A	B612BDB49A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B612DDH53A	B612HDH53A	Replacement Valve Dual Pressure - Port #3 /Tapped to Dual Pressure - Port #5 Vented or Body Service Kit PS2601P
B612ED549A	Use Repair Kit	Body Service Kit PS2601P
B612GDH49A	B612HDH49A	Replacement Valve Difference Dual Pressure - Port #5 / Tapped to Dual Pressure Port #5 / Vented or Body Service Kit PS2601P
B612GDH53A	B612HDH53A	Replacement Valve Difference Dual Pressure - Port #5 / Tapped to Dual Pressure Port #5 / Vented or Body Service Kit PS2601P
B612WDA53A	Use Repair Kit	Body Service Kit PS2601P
B612XB553A	Use Repair Kit	Body Service Kit PS2601P
B61TAC54901A	Use Repair Kit	Service Kit Order B61TAC549A Customer Rotate Operator Ends.
B61TAC54903A	B61TAC54902A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TAC55301A	Use Repair Kit	Service Kit Order B61TAC553A Customer Rotate Operator Ends.
B61TAC55303A	B61TAC55302A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TACB4901A	Use Repair Kit	Service Kit Order B61TACB49A Customer Rotate Operator Ends.
B61TACB4903A	B61TACB4902A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TACB5301A	Use Repair Kit	Service Kit Order B61TACB53A Customer Rotate Operator Ends.



Suggested Cross Reference

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B61TACB5303A	B61TACB5302A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TACD4901A	Use Repair Kit	Service Kit Order B61TACD49A Customer Rotate Operator Ends. Add 5-Pin Automotive Connector Part No. PS29429JP
B61TACD4903A	B61TACB4902A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TACD49A	B61TACB49A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B61TACD5301A	Use Repair Kit	Service Kit Order B61TACD53A Customer Rotate Operator Ends. Add 5-Pin Automotive Connector Part No. PS29429JP
B61TACD5302A	B61TACB5302A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B61TACD5303A	B61TACB5302A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TACD53A	B61TACB53A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B61TACH4901A	Use Repair Kit	Service Kit Order B61TACH4901A Customer Rotate Operator Ends.
B61TACH4903A	B61TACH4902A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61TACH5301A	Use Repair Kit	Service Kit Order B61TACH53A Customer Rotate Operator Ends.
B61TACH5303A	B61TACH5302A	Replacement Valve Difference Operator on 12 End for Single Solenoid / Remote Pilot + Solenoid Pilot Rotated 180° - Pins Down to Solenoid Rotated 180° - Pins Down and Customer Switch Operator Ends
B61WBDA49A	Use Repair Kit	Body Service Kit PS2601P
B622ADB53V0A	B622ADB53A	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2601VP
B622ADH53V0A	B622ADH53A	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2601VP
B622DDB49A	Use Repair Kit	Body Service Kit PS2601P
B622EB53A	Use Repair Kit	Body Service Kit PS2601P

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B622EC55702A	Use Repair Kit	Body Service Kit PS2601P
B62TACD4902A	B62TACB4902A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B62TACD49A	B62TACB49A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B62TACD5302A	B62TACB5302A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B62TACD53A	B62TACB53A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B63T000XX01A	Use Repair Kit	Service Kit Order B63T000XXA Customer Rotate Operator Ends.
B642000XXV0A	B642000XXA	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2601VP
B652ADB53V0A	B65ADB53A	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2602VP
B652ADC49A	B652ADB49A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B652BDC53A	B652BDB49A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B652EB553A	Use Repair Kit	Body Service Kit PS2601P
B65TABH5342A	B65TADH5342A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B65TACD4902A	B65TACB4902A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS2893DP
B65TBDC53A	B65TBDB53A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B672EB549A	Use Repair Kit	Body Service Kit PS2604P
B672GB549A	B672HB549A	Replacement Valve Difference Dual Pressure - Port #5 / Tapped to Dual Pressure Port #5 / Vented or Body Service Kit PS2604P
B682000XXV0A	Use Repair Kit	Body Service Kit PS2602VP
B6A2ADA49A	Use Repair Kit	Body Service Kit PS2601P
B6A2ADA53A	Use Repair Kit	Body Service Kit PS2601P
B6A2ADH53A	Use Repair Kit	Body Service Kit PS2601P
B6E2BBG5301A	Use Repair Kit	Service Kit Order B6E2BBG53A Customer Rotate Operator Ends.
B6E2BDG5301A	Use Repair Kit	Service Kit Order B6E2BDG53A Customer Rotate Operator Ends.
B6E2EB553A	Use Repair Kit	Body Service Kit PS2601P
B6F2000XXV0A	Use Repair Kit	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS2601VP
B6G2AB553A	B6V2AB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist

Suggested Cross Reference**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits	Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B6G2BCNXXA	B6V2BCNXXA	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G2KCG47A	B6V2KCG47A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BD547A	B6V2BD547A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G2KCH53A	B6V2KCH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BD548A	B6G2BD548A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G2KDG53A	B6V2KDG53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BD55302A	B6V2BD55302A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G2KDH49A	B6V2KDH49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BDA49A	B6V2BDA49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G2WDC49A	Use Repair Kit	Service Kit PS267101P Add 3-Pin Automotive Connector Part No. PS2893CP
B6G2BDB49A	B6V2BDB49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G2XB549A	B6V2KB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist or Body Service Kit PS267101P, Pilot Port in Valve Body
B6G2BDB53A	B6V2BDB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G7BB549A	B6V7BB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BDG47A	B6V2BDG47A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G7BB553A	B6V7BB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BDG49A	B6V2BDG49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6G7BXXXXA	B6V7BXXXXA	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B6G2BDG53A	B6V2BDG53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6H2AAE49A	Use Repair Kit	Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6G2BDH49A	B6V2BDH49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6H2ACA49A	B6H2ACA49A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6G2BDH53A	B6V2BDH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6H2ACA53A	B6W2ACA53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6G2KB549A	B6V2KB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6H2ACB53A	B6W2ACB53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6G2KB553A	B6V2KB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6H2ACG53A	B6W2ACG53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6G2KCB53A	B6V2KCB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist	B6H2ACH53A	B6W2ACH53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist

Suggested Cross Reference

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B6H2ADA49A	B6W2ADA49A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADA53A	B6W2ADA53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADB49A	B6W2ADB49A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADB53A	B6W2ADB53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADG49A	B6W2ADG49A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADG53A	B6W2ADG53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADH45A	B6W2ADH45A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADH49A	B6W2ADH49A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADH53A	B6W2ADH53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2ADNXXA	B6W2ADNXXA	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BB545A	B6W2BB545A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BB549A	B6W2BB549A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BB553A	B6W2BB553A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BC545A	B6W2BC545A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BC549A	B6W2BC549A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B6H2BC553A	B6W2BC553A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BCG53A	B6H2BCG53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2BCH53A	B6W2BCH53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B6H2XB549A	Use Repair Kit	N/R Kit
B6K2000XXA	B6X2000XXA	Replacement Valve Difference Single Remote Pilot 2-Position NC - Air Return to Single Remote Pilot 2-Position NC - Air Return / Spring Assist
B6K7000XXA	B6X7000XXA	Replacement Valve Difference Single Remote Pilot 2-Position NC - Air Return to Single Remote Pilot 2-Position NC - Air Return / Spring Assist
B6L2000XXA	B6Y2000XXA	Replacement Valve Difference Single Remote Pilot, 2-Position NO - Air Return to Single Remote Pilot, 2-Position NO-Air Return / Spring Assist
B6V2XB553A	Use Repair Kit	Body Service Kit PS267101P
B6W2BBG45A	B6W2BDG45A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B6W2BDG45V0A	B6W2BDG45A	Replacement Valve Difference Viton Seals to Buna Seals or Body Service Kit PS267102VP
B6W2XB553A	Use Repair Kit	N/R Kit
B7 Series		
B713ABA53A	B713ADA53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B713ABB53A	B713ADB53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B713ABH53A	B713ADH53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B713ABR49A	B713ADR49A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B713ABR53A	B713ADR53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B713BA553A	B713BB553A	Replacement Valve Difference No Override to Non-Locking Override
B713BBR49A	B713BDR49A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B713HDA53A	Use Repair Kit	Body Service Kit PS2501P
B723BA553A	B723BB553A	Replacement Valve Difference No Override to Non-Locking Override
B753ABA53A	B753ADA53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B753ABH53A	B753ADH53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B753ADC49A	B753ADB49A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP



Suggested Cross Reference

**“B” Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B753BA553A	B753BB553A	Replacement Valve Difference No Override to Non-Locking Override
B753BDC53A	B753BDB53A	Replacement Valve Difference Add 3-Pin Automotive Connector Part No. PS2893CP
B753BDD53A	B753BDB53A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS29429JP
B753XAH53A	Use Repair Kit	Body Service Kit PS2502P
B763ABA53A	B763ADA53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B763ADD45A	B763ADB45A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS29429JP
B763BDD53A	B763BDB53A	Replacement Valve Difference Add 5-Pin Automotive Connector Part No. PS29429JP
B763DDG45A	Use Repair Kit	Body Service Kit PS2503P
B7A3BA553A	Use Repair Kit	No Override to Non-Locking Override,Service Kit PS257101P
B7B3BA553A	Use Repair Kit	No Override to Non-Locking Override,Service Kit PS2501P
B7B3BB553A	Use Repair Kit	Body Service Kit PS2502P
B7E3ABH53A	B7E3ADH53A	Replacement Valve Difference Flush Non-Locking to Extend Non-Locking
B7E3DB553A	Use Repair Kit	Body Service Kit PS2501P
B7G3ACF49A	B7V3ACE49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ACH57A	B7V3ACH57A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ADB53A	B7V3ADB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ADC49A	B7V3ADB49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ADF53A	B7V3ADF53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ADH53A	B7V3ADH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ADH57A	B7V3ADH57A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3ADR49A	B7V3ADR49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B7G3BA553A	B7V3BB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist , No Override to Non-Locking Override
B7G3BB542A	B7V3BB542A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BB545A	B7V3BB545A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BB549A	B7V3BB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BB553A	B7V3BB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BC549A	B7V3BC549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BC553A	B7V3BC553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCA49A	B7V3BCA49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCA53A	B7V3BCA53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCA57A	B7V3BCA57A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCB53A	B7V3BCB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCG45A	B7V3BCG45A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCG49A	B7V3BCG49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCG53A	B7V3BCG53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BCH53A	B7V3BCH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist



Suggested Cross Reference

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B7G3BCNXXA	B7V3BCNXXA	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BDB53A	B7V3BDB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BDG45A	B7V3BDG45A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BDG53A	B7V3BDG53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BDH49A	B7V3BDH49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BDH53A	B7V3BDH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3BE553A	B7V3BE553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3KAE49A	B7V3KAE49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3KB542A	B7V3KB542A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3KB553A	B7V3KB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3KCB53A	B7V3KCB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3KDA53A	B7V3KDA53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G3XDA45A	Use Repair Kit	Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G8ACH57A	B7V8ACH57A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7G8BB549A	B7V8BB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B7H3ACH53A	B7W3ACH53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B7H3ACH57A	B7W3ACH57A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3ADH45A	B7W3ADH45A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3ADH49A	B7W3ADH49A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3BB549A	B7W3BB549A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3BB553A	B7W3BB553A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3BCB53A	B7W3BCB53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3BCG53A	B7W3BCG53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3KB553A	B7W3KB553A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7H3KDH53A	B7W3KDH53A	Replacement Valve Difference Single Solenoid, 2-Position NO - Air Return to Single Solenoid, 2-Position NO - Air Return / Spring Assist
B7K3000XXA	B7X3000XXA	Replacement Valve Difference Single Remote Pilot, 2-Position NC - Air Return to Single Remote Pilot, 2-Position NC - Air Return / Spring Assist
B7K8000XXA	B7X8000XXA	Replacement Valve Difference Single Remote Pilot, 2-Position NC - Air Return to Single Remote Pilot, 2-Position NC - Air Return / Spring Assist
B7L3000XXA	B7Y3000XXA	Replacement Valve Difference Single Air Pilot, 2-Position NO - Air Return to Single Air Pilot, 2-Position NO - Air Return / Spring Assist

B8 Series		
B814DCH53A	Use Repair Kit	Body Service Kit PS2501P
B814XC553A	Use Repair Kit	Body Service Kit PS2501P
B824ABH53A	B824ADH53A	Replacement Valve Difference Flush Non-Locking to Extended Locking
B824GDH53A	Use Repair Kit	Body Service Kit PS2501P
B854ABH53A	B854ADH53A	Replacement Valve Difference Flush Non-Locking to Extended Locking
B8E4GDH53A	Use Repair Kit	Body Service Kit PS2501P



Suggested Cross Reference

**"B" Series Valves
Air Control Valves**

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B8G4ACB49A	B8V4ACB49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4ACH53A	B8V4ACH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4ADB49A	B8V4ADB49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4ADB53A	B8V4ADB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4ADR49A	B8V4ADR49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BB545A	B8V4BB545A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BB549A	B8V4BB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BB553A	B8V4BB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BB557A	B8V4BB557A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BC549A	B8V4BC549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BC553A	B8V4BC553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BCA49A	B8V4BCA49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BCA53A	B8V4BCA53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BCG45A	B8V4BCG45A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BCG49A	B8V4BCG49A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist

Obsolete	Suggested Replacement	Difference of Suggested Replacement and / or Recommended Kits
B8G4BDB53A	B8V4BDB53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BDG53A	B8V4BDG53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BDH53A	B8V4BDH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4BDR53A	B8V4BDR53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4KB553A	B8V4KB553A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8G4KB557A	B8V4KB557A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8H4ADH53A	B8W4ADH53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8H4BB549A	B8W4BB549A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8H4BB557A	B8W4BB557A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8H4BCA53A	B8W4BCA53A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8H4KB557A	B8W4KB557A	Replacement Valve Difference Single Solenoid, 2-Position NC - Air Return to Single Solenoid, 2-Position NC - Air Return / Spring Assist
B8K4000XXA	B8X4000XXA	Replacement Valve Difference Single Remote Pilot, 2-Position NC - Air Return to Single Remote Pilot, 2-Position NC - Air Return / Spring Assist
B8K9000XXA	B8X9000XXA	Replacement Valve Difference Single Remote Pilot, 2-Position NC - Air Return to Single Remote Pilot, 2-Position NC - Air Return / Spring Assist
B8V4ABG49A	B8V4ADG49A	Replacement Valve Difference Flush Non-Locking to Extended Non-Locking
B8X4000XXA	Use Repair Kit	Body Service Kit PS2501P
B8X4000YYA	Use Repair Kit	Body Service Kit PS2501P



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