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BAR
MANIFOLDS

Cover Plates

TAPPING
PLATES

Cover Plates are used in place of directional valves to either completely block off a bar manifold station, or to provide a means of flushing a manifold as determined by the internal port connections chosen. They are available in parallel and series models.

VALVE
ADAPTERS

1. Standard materials are Aluminum and Ductile Iron. Other materials including Mild Steel or Stainless Steel are optionally available.

2. Special Finishes including Black Oxide, Electroless Nickel Plating or Anodizing are optionally available.

SUBPLATES

3. UNC or Metric mounting bolt kits and any plugs that may be required are supplied as standard.

SUBPLATES
w/
CIRCUITS

4. Viton O-rings and locating pins are supplied as standard.

5. Optional Gauge Port available on Pressure Port. NOTE: on some designs the thickness of the cover plate must be increased in order to accommodate the gauge port.

COVER
PLATES

6. Internal passages maximized to match the interface port connection in order to minimize pressure drops and fluid velocities.

7. Special D05D valve pattern matches both D05H and D05HE

HEADERS/
JUNCTIONS

8. Cover plates with all external ports for relocating valves are available. Contact Factory for Part Numbers.

9. Special combinations of ports including X & Y ports are non-standard. Contact Factory for Part Numbers.

DIN
BODIES

10. Servo Cover Plates are available. Contact Factory for Part Numbers.

ACCESSORIES

VALVE PACKS
& CUSTOMSTECHNICAL
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D02 Cover Plates

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<p>Circuit - "XXXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 4 - 10-24 x 1.50" SHCS 4 - 010 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M5 x 0.8 x 35mm SHCS 4 - 010 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>CP_02GXXXXAAX_ S/N</p>	<p>Circuit - "PABT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 4 - 10-24 x 1.50" (1.75") SHCS 4 - 010 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M5 x 0.8 x 35mm (45mm) SHCS 4 - 010 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>CP_02GPABTAAX_ S/N</p>
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PART NUMBER SYSTEM

D02 Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : **CPA02GXXXXAAXU**

TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING																																							
CP Cover Plate	02G ISO 4401-02-01 NFPA T3.5.1 - D02		<table border="1"> <tr><th>CODE</th><th>CIRCUIT</th></tr> <tr><td>XXXX</td><td>All Ports Blocked</td></tr> <tr><td>PABT</td><td>P Connected to A, B Connected to T</td></tr> <tr><td>PBAT</td><td>P Connected to B, A Connected to T</td></tr> <tr><td>PTXX</td><td>P Connected to T</td></tr> </table>	CODE	CIRCUIT	XXXX	All Ports Blocked	PABT	P Connected to A, B Connected to T	PBAT	P Connected to B, A Connected to T	PTXX	P Connected to T	<table border="1"> <tr><th>CODE</th><th>TYPE</th><th>SIZE</th></tr> <tr><td>AA</td><td>None</td><td>None</td></tr> <tr><td>SB</td><td>SAE</td><td>4</td></tr> <tr><td>NA</td><td>NPTF</td><td>1/8"</td></tr> <tr><td>BA</td><td>BSPP</td><td>1/8"</td></tr> <tr><td>TA</td><td>BSPT</td><td>1/8"</td></tr> <tr><td>MB</td><td>Metric</td><td>M10</td></tr> </table>	CODE	TYPE	SIZE	AA	None	None	SB	SAE	4	NA	NPTF	1/8"	BA	BSPP	1/8"	TA	BSPT	1/8"	MB	Metric	M10	<table border="1"> <tr><th>X</th><th>None</th></tr> <tr><th>P</th><th>P Port</th></tr> </table>	X	None	P	P Port	<table border="1"> <tr><th>U</th><th>UNC Std for SAE & NPT</th></tr> <tr><th>M</th><th>Metric Std for BSP* & Metric</th></tr> </table>	U	UNC Std for SAE & NPT	M	Metric Std for BSP* & Metric
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D03 Cover Plates

<p>Circuit - "XXXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 4 - 10-24 x 1.50" SHCS 4 - 012 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M5 x 0.8 x 35mm SHCS 4 - 012 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>CP_03GXXXXAAX_ S/N</p>	<p>Circuit - "PABT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 4 - 10-24 x 1.50" (1.75") SHCS 4 - 012 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M5 x 0.8 x 35mm (45 mm) SHCS 4 - 012 O-ring viton 1 - pin 1 - Plug (with gauge option)</p> <p>CP_03GPABTAAX_ S/N</p>
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PART NUMBER SYSTEM

D03 Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : CPA03GXXXXAAXU

TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING																																											
CP Cover Plate	A Aluminum D Ductile Iron	03G ISO 4401-03-02 NFPA T3.5.1 - D03	<table border="1"> <thead> <tr> <th>CODE</th> <th>CIRCUIT</th> </tr> </thead> <tbody> <tr> <td>XXXX</td> <td>All Ports Blocked</td> </tr> <tr> <td>PABT</td> <td>P Connected to A, B Connected to T</td> </tr> <tr> <td>PBAT</td> <td>P Connected to B, A Connected to T</td> </tr> <tr> <td>PTXX</td> <td>P Connected to T</td> </tr> </tbody> </table>	CODE	CIRCUIT	XXXX	All Ports Blocked	PABT	P Connected to A, B Connected to T	PBAT	P Connected to B, A Connected to T	PTXX	P Connected to T	<table border="1"> <thead> <tr> <th>CODE</th> <th>TYPE</th> <th>SIZE</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td>None</td> <td>None</td> </tr> <tr> <td>SC</td> <td>SAE</td> <td>6</td> </tr> <tr> <td>NB</td> <td>NPTF</td> <td>1/4"</td> </tr> <tr> <td>BB</td> <td>BSPP</td> <td>1/4"</td> </tr> <tr> <td>TB</td> <td>BSPT</td> <td>1/4"</td> </tr> <tr> <td>MB</td> <td>Metric</td> <td>M10</td> </tr> </tbody> </table>	CODE	TYPE	SIZE	AA	None	None	SC	SAE	6	NB	NPTF	1/4"	BB	BSPP	1/4"	TB	BSPT	1/4"	MB	Metric	M10	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>None</td> </tr> <tr> <td>P</td> <td>P Port</td> </tr> </tbody> </table>	Code	Description	X	None	P	P Port	<table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>U</td> <td>UNC Std for SAE & NPT</td> </tr> <tr> <td>M</td> <td>Metric Std for BSP* & Metric</td> </tr> </tbody> </table>	Code	Description	U	UNC Std for SAE & NPT	M	Metric Std for BSP* & Metric
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D05 Cover Plates

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<p>Circuit - "XXXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 4 - 1/4"-20 x 1.50" SHCS 5 - O14 O-ring viton 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M6-1.0 x 35mm SHCS 5 - O14 O-ring viton 1 - Plug (with option)</p>	<p>Circuit - "PABT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 4 - 1/4"-20 x 1.75" SHCS 1 - O14 O-ring viton 2 - O22 O-ring viton 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M6-1.0 x 45mm SHCS 1 - O14 O-ring viton 2 - O22 O-ring viton 1 - Plug (with gauge option)</p>
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PART NUMBER SYSTEM

D05 Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : CPA05GXXXXAAXU

TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING																																									
CP Cover Plate	05G ISO 4401-05-04 NFPA T3.5.1 - D05																																														
A Aluminum D Ductile Iron			<table border="1"> <thead> <tr> <th>CODE</th> <th>CIRCUIT</th> </tr> </thead> <tbody> <tr> <td>XXXX</td> <td>All Ports Blocked</td> </tr> <tr> <td>PABT</td> <td>P Connected to A, B Connected to T</td> </tr> <tr> <td>PBAT</td> <td>P Connected to B, A Connected to T</td> </tr> <tr> <td>PTXX</td> <td>P Connected to T</td> </tr> </tbody> </table>	CODE	CIRCUIT	XXXX	All Ports Blocked	PABT	P Connected to A, B Connected to T	PBAT	P Connected to B, A Connected to T	PTXX	P Connected to T	<table border="1"> <thead> <tr> <th>CODE</th> <th>TYPE</th> <th>SIZE</th> </tr> </thead> <tbody> <tr> <td>AA</td> <td>None</td> <td>None</td> </tr> <tr> <td>SC</td> <td>SAE</td> <td>6</td> </tr> <tr> <td>NB</td> <td>NPTF</td> <td>1/4"</td> </tr> <tr> <td>BB</td> <td>BSPP</td> <td>1/4"</td> </tr> <tr> <td>TB</td> <td>BSPT</td> <td>1/4"</td> </tr> <tr> <td>MB</td> <td>Metric</td> <td>M10</td> </tr> </tbody> </table>	CODE	TYPE	SIZE	AA	None	None	SC	SAE	6	NB	NPTF	1/4"	BB	BSPP	1/4"	TB	BSPT	1/4"	MB	Metric	M10	<table border="1"> <thead> <tr> <th>X</th> <th>None</th> </tr> </thead> <tbody> <tr> <td>P</td> <td>P Port</td> </tr> </tbody> </table>	X	None	P	P Port	<table border="1"> <thead> <tr> <th>U</th> <th>M</th> </tr> </thead> <tbody> <tr> <td>U</td> <td>UNC Std for SAE & NPT</td> </tr> <tr> <td>M</td> <td>Metric Std for BSP* & Metric</td> </tr> </tbody> </table>	U	M	U	UNC Std for SAE & NPT	M	Metric Std for BSP* & Metric
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D05H & D05HE Cover Plates

<p>Circuit -"XXXX" Optional gauge port</p> <p>UNC mounting kit includes: 4 - 1/4"-20x1.50" SHCS 5 - 014 O-ring viton 1 - 010 O-ring viton 1 - 012 O-ring viton 1 - 016 O-ring viton 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 4 - M6-1.0 x 35mm SHCS 5 - 014 O-ring viton 1 - 010 O-ring viton 1 - 012 O-ring viton 1 - 016 O-ring viton 1 - Plug (with gauge option)</p>	<p>Circuit -"PABT"</p> <p>UNC mounting kit includes: 4 - 1/4"-20 x 1.75" SHCS 1 - 014 O-ring viton 1 - 010 O-ring viton 1 - 012 O-ring viton 1 - 016 O-ring viton 2 - 022 O-ring viton 1 - Plug (with option)</p> <p>Metric mounting kit includes: 4 - M6-1.0 x 45mm SHCS 1 - 014 O-ring viton 1 - 010 O-ring viton 1 - 012 O-ring viton 1 - 016 O-ring viton 2 - 022 O-ring viton 1 - Plug (with option)</p>
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PART NUMBER SYSTEM

D05H(E) Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : CPA05DXXXXAAXU

TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING																																											
CP Cover Plate	A Aluminum D Ductile Iron	05D Matches Both ISO 4401-05-05 (EURO) NFPA T3.5.1-D05 Alt A and (USA Standard) NFPA T3.5.1-D05 Alt B	<table border="1"> <thead> <tr><th>CODE</th><th>CIRCUIT</th></tr> </thead> <tbody> <tr><td>XXXX</td><td>All Ports Blocked</td></tr> <tr><td>PABT</td><td>P Connected to A, B Connected to T</td></tr> <tr><td>PBAT</td><td>P Connected to B, A Connected to T</td></tr> <tr><td>PTXX</td><td>P Connected to T</td></tr> </tbody> </table>	CODE	CIRCUIT	XXXX	All Ports Blocked	PABT	P Connected to A, B Connected to T	PBAT	P Connected to B, A Connected to T	PTXX	P Connected to T	<table border="1"> <thead> <tr><th>CODE</th><th>TYPE</th><th>SIZE</th></tr> </thead> <tbody> <tr><td>AA</td><td>None</td><td>None</td></tr> <tr><td>SC</td><td>SAE</td><td>6</td></tr> <tr><td>NB</td><td>NPTF</td><td>1/4"</td></tr> <tr><td>BB</td><td>BSP</td><td>1/4"</td></tr> <tr><td>TB</td><td>BSPT</td><td>1/4"</td></tr> <tr><td>MB</td><td>Metric</td><td>M10</td></tr> </tbody> </table>	CODE	TYPE	SIZE	AA	None	None	SC	SAE	6	NB	NPTF	1/4"	BB	BSP	1/4"	TB	BSPT	1/4"	MB	Metric	M10	<table border="1"> <thead> <tr><th>Code</th><th>Location</th></tr> </thead> <tbody> <tr><td>X</td><td>None</td></tr> <tr><td>P</td><td>P Port</td></tr> </tbody> </table>	Code	Location	X	None	P	P Port	<table border="1"> <thead> <tr><th>Code</th><th>Mounting</th></tr> </thead> <tbody> <tr><td>U</td><td>UNC Std for SAE & NPT</td></tr> <tr><td>M</td><td>Metric Std for BSP* & Metric</td></tr> </tbody> </table>	Code	Mounting	U	UNC Std for SAE & NPT	M	Metric Std for BSP* & Metric
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D08 Cover Plates

	<p>Circuit - "XXXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 1/2"-13 x 2.00" SHCS 4 - 121 O-ring viton 2 - 114 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M12-1.75 x 50mm SHCS 4 - 121 O-ring viton 2 - 114 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>		<p>Circuit - "PABT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 1/2"-13 x 3.50" SHCS 2 - 121 O-ring viton 2 - 114 O-ring viton 1 - 146 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M12-1.75 x 90mm SHCS 2 - 121 O-ring viton 2 - 114 O-ring viton 1 - 146 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>
	<p>Circuit - "PBAT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 1/2"-13 x 2.50" SHCS 2 - 146 O-ring viton 2 - 114 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M12-1.75 x 60mm SHCS 2 - 146 O-ring viton 2 - 114 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>		<p>Circuit - "PTXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 1/2"-13 x 2.50" SHCS 2 - 121 O-ring viton 2 - 114 O-ring viton 1 - 142 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M12-1.75 x 60mm SHCS 2 - 121 O-ring viton 2 - 114 O-ring viton 1 - 142 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>

PART NUMBER SYSTEM

D08 Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : **CPA08GXXXXAAXU**

TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING																																											
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D10 Cover Plates

BAR
MANIFOLDS

TAPPING
PLATES

VALVE
ADAPTERS

SUBPLATES

SUBPLATES
w/
CIRCUITS

COVER
PLATES

HEADERS/
JUNCTIONS

DIN
BODIES

ACCESSORIES

VALVE PACKS
& CUSTOMS

TECHNICAL
INFO

<p>Circuit -"XXXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 3/4"-10 x 3.50" SHCS 4 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M20-2.5 x 90mm SHCS 4 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>	<p>Circuit -"PABT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 3/4"-10 x 6.50" SHCS 4 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M20-2.5 x 160mm SHCS 4 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>
<p>Circuit -"PBAT"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 3/4"-10 x 4.00" SHCS 4 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M20-2.5 x 100mm SHCS 4 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>	<p>Circuit -"PTXX"</p> <p>Optional gauge port</p> <p>UNC mounting kit includes: 6 - 3/4"-10 x 3.50" SHCS 1 - 236 O-ring viton 2 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p> <p>Metric mounting kit includes: 6 - M20-2.5 x 90mm SHCS 1 - 236 O-ring viton 2 - 220 O-ring viton 3 - 210 O-ring viton 2 - pin 1 - Plug (with gauge option)</p>

PART NUMBER SYSTEM

D10 Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : **CPA10GXXXXAAXU**

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