

Product Tips and Features

Cover 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.

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.
3. UNC or Metric mounting bolt kits and any plugs that may be required are supplied as standard.
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.
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
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.
10. Servo Cover Plates are available. Contact Factory for Part Numbers.

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D02 Cover Plates

Circuit - "XXXX"

Optional gauge port

UNC mounting kit includes:
4 - 10-24 x 1.50" SHCS
4 - 010 O-ring viton
1 - pin
1 - Plug (with gauge option)

Metric mounting kit includes:
4 - M5 x 0.8 x 35mm SHCS
4 - 010 O-ring viton
1 - pin
1 - Plug (with gauge option)

CP_02GXXXXAAX_
S/N

Circuit - "PABT"

Optional gauge port

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)

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)

CP_02GPABTAAX_
S/N

Circuit - "PBAT"

Optional gauge port

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)

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)

CP_02GPBATAAX_
S/N

Circuit - "PTXX"

Optional gauge port

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)

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)

CP_02GPTXXAAX_
S/N

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	A Aluminum D Ductile Iron	02G ISO 4401-02-01 NFPA T3.5.1 - D02	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	CODE TYPE SIZE AA None None SB SAE 4 NA NPTF 1/8" BA BSPP 1/8" TA BSPT 1/8" MB Metric M10	X None P P Port	U UNC Std for SAE & NPT M Metric Std for BSP* & Metric

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D03 Cover Plates

Circuit - "XXXX"

Optional gauge port

UNC mounting kit Includes:
4 - 10-24 x 1.50" SHCS
4 - 012 O-ring viton
1 - pin
1 - Plug (with gauge option)

Metric mounting kit includes:
4 - M5 x 0.8 x 35mm SHCS
4 - 012 O-ring viton
1 - pin
1 - Plug (with gauge option)

CP_03GXXXXAAX_
S/N

Circuit - "PABT"

Optional gauge port

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)

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)

CP_03GPABTAAX_
S/N

Circuit - "PBAT"

Optional gauge port

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)

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)

CP_03GPBATAAX_
S/N

Circuit - "PTXX"

Optional gauge port

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)

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)

CP_03GPTXXAAX_
S/N

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						

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D05 Cover Plates

Circuit - "XXXX"

Optional gauge port

UNC mounting kit Includes:
4 - 1/4"-20 x 1.50" SHCS
5 - 014 O-ring viton
1 - Plug (with gauge option)

Metric mounting kit includes:
4 - M6-1.0 x 35mm SHCS
5 - 014 O-ring viton
1 - Plug (with option)

Circuit - "PABT"

Optional gauge port

UNC mounting kit Includes:
4 - 1/4"-20 x 1.75" SHCS
1 - 014 O-ring viton
2 - 022 O-ring viton
1 - Plug (with gauge option)

Metric mounting kit includes:
4 - M6-1.0 x 45mm SHCS
1 - 014 O-ring viton
2 - 022 O-ring viton
1 - Plug (with gauge option)

Circuit - "PBAT"

Optional gauge port

UNC mounting kit Includes:
4 - 1/4"-20 x 1.75" SHCS
1 - 014 O-ring viton
2 - 022 O-ring viton
1 - Plug (with gauge option)

Metric mounting kit Includes:
4 - M6-1.0 x 45mm SHCS
1 - 014 O-ring viton
2 - 022 O-ring viton
1 - Plug (with gauge option)

Circuit - "PTXX"

Optional gauge port

UNC mounting kit Includes:
4 - 1/4"-20 x 1.50" (1.75") SHCS
5 - 014 O-ring viton
1 - Plug (with gauge option)

Metric mounting kit Includes:
4 - M6-1.0 x 35mm (45mm) SHCS
5 - 014 O-ring viton
1 - Plug (with gauge option)

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						

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D05H & D05HE Cover Plates

Circuit -"XXXX"

Optional gauge port

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)

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)

Circuit -"PABT"

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)

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)

Circuit -"PBAT"

Optional gauge port

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 gauge option)

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 gauge option)

Circuit -"PTXX"

UNC mounting kit includes:
4 - 1/4"-20x1.50" (1.75") 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)

Metric mounting kit includes:
4 - M6-1.0 x 35mm (45mm) 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)

PART NUMBER SYSTEM

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

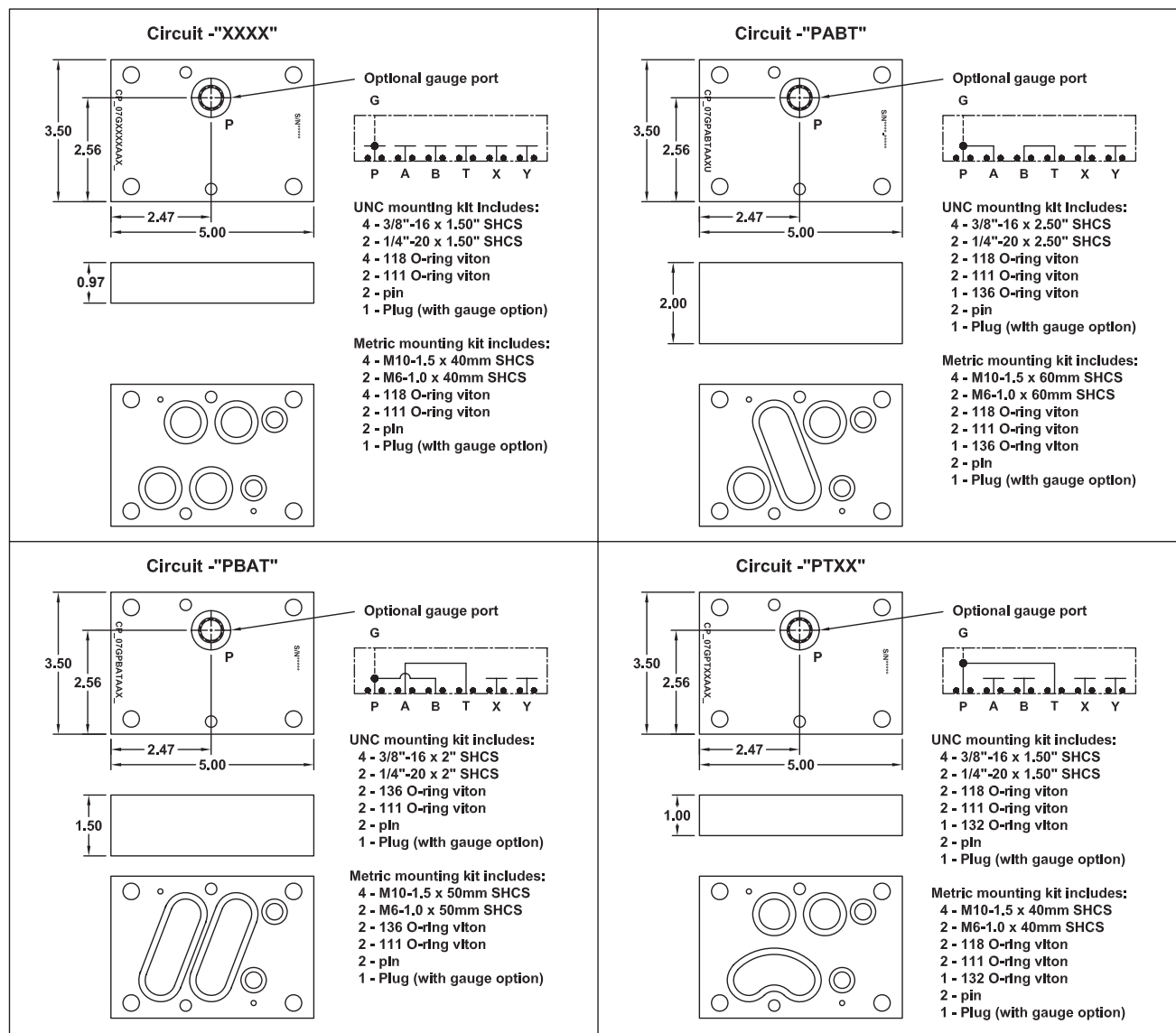
TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING
CP Cover Plate	A Aluminum D Ductile Iron	05D Matches Both ISO 4401-05-05 (EURO) NFPA T3.5.1-D05 Alt A and (USA Standard) NFPA T3.5.1-D05 Alt B	CODE CIRCUIT XXXX All Ports Blocked PABT P Connected to A, B Connected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

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D07 Cover Plates



PART NUMBER SYSTEM

D07 Aluminum Cover Plate with All Ports Blocked & No Gauge Port Example : **CPA07GXXXXAAXU**

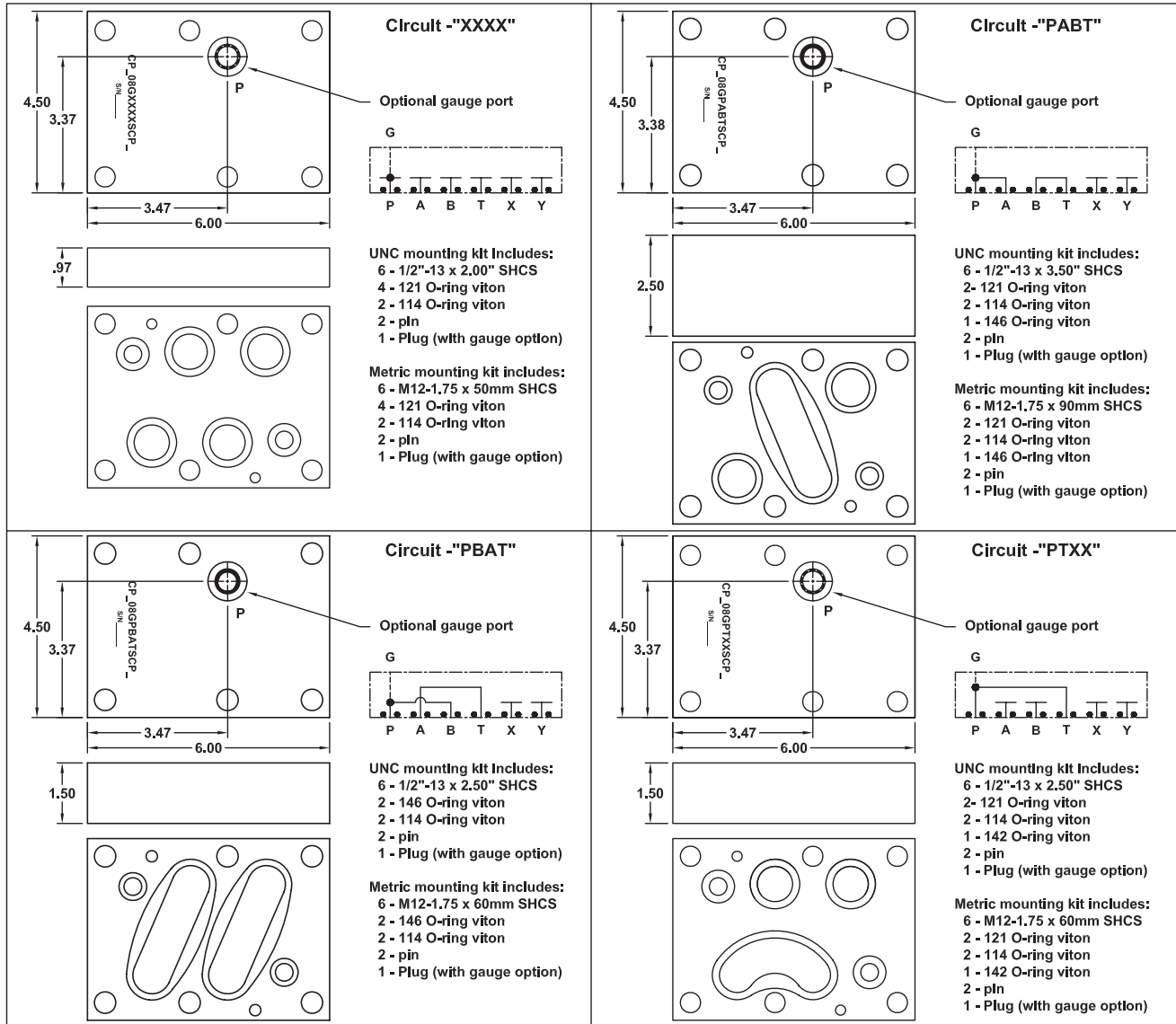
TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING
CP Cover Plate	07G ISO 4401-07-06 NFPA T3.5.1-D07		CODE CIRCUIT XXXX All Ports Blocked PABT P Connected to A, B Connected to T PBAT P Connected to B, A Connected to T PTXX P Connected to T	CODE TYPE SIZE AA None None SC SAE 6 NB NPTF 1/4" BB BSPP 1/4" TB BSPT 1/4" MB Metric M10	X None P P Port	U UNC Std for SAE & NPT M Metric Std for BSP* & Metric
A Aluminum D Ductile Iron						

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D08 Cover Plates



PART NUMBER SYSTEM

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

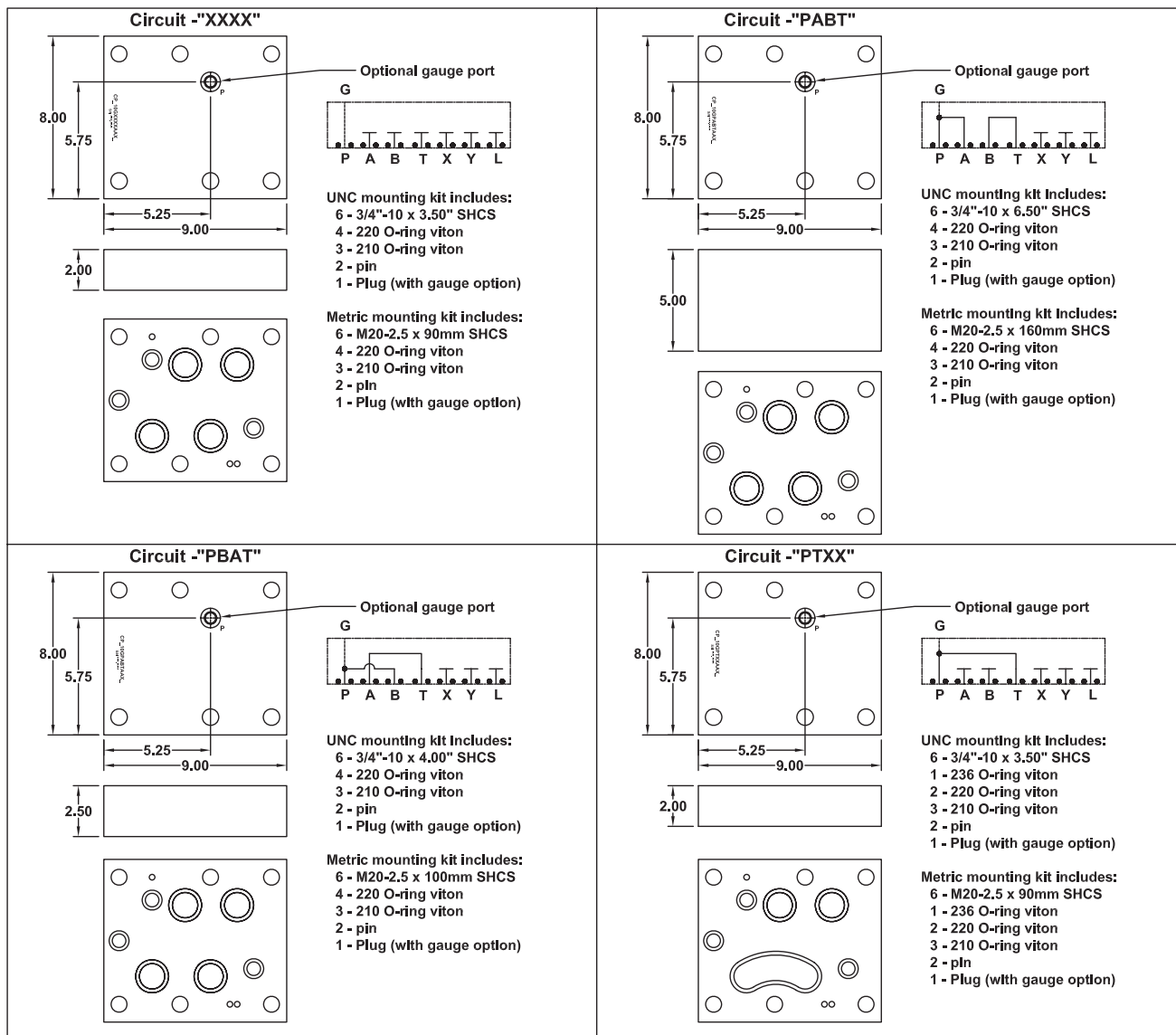
TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING																																							
<div>CP<div>Cover Plate</div></div>	<div>08G<div>ISO 4401-08-07 NFPA T3.5.1-D08</div></div>		<table><tr><th>CODE</th><th>CIRCUIT</th></tr><tr><td>XXXX</td><td>All Ports Blocked</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><tr><th>CODE</th><th>TYPE</th><th>SIZE</th></tr><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></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><tr><td>X</td><td>None</td></tr><tr><td>P</td><td>P Port</td></tr></table>	X	None	P	P Port	<table><tr><td>U</td><td>UNC Std for SAE & NPT</td></tr><tr><td>M</td><td>Metric Std for BSP* & Metric</td></tr></table>	U	UNC Std for SAE & NPT	M	Metric Std for BSP* & Metric
CODE	CIRCUIT																																												
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PBAT	P Connected to B, A Connected to T																																												
PTXX	P Connected to T																																												
CODE	TYPE	SIZE																																											
AA	None	None																																											
SC	SAE	6																																											
NB	NPTF	1/4"																																											
BB	BSPP	1/4"																																											
TB	BSPT	1/4"																																											
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X	None																																												
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<div>A<div>Aluminum</div></div> <div>D<div>Ductile Iron</div></div>																																													

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D10 Cover Plates



PART NUMBER SYSTEM

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

TYPE	MATERIAL	VALVE PATTERN	CIRCUIT CODE	GAUGE PORT CODE	LOCATION OF GAUGE PORTS	MOUNTING
CP Cover Plate	10G ISO 4401-10-08 NFPA T3.5.1-D10		CODE 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	CODE AA None SC SAE NB NPTF 1/4" BB BSPP 1/4" TB BSPT 1/4" MB Metric M10	X None P P Port	U UNC Std for SAE & NPT M Metric Std for BSP* & Metric
A Aluminum D Ductile Iron						

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