

# **Comatrol**

**RESPONSIVENESS IN MOTION**

*Member of the Danfoss Group*



## **Mix-N-Match Dual Bodies**

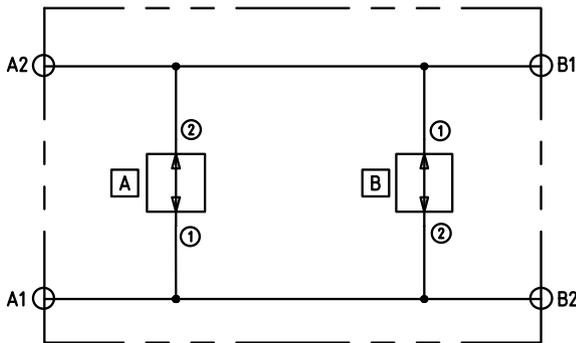
[www.comatrol.com](http://www.comatrol.com)

**OVERVIEW**

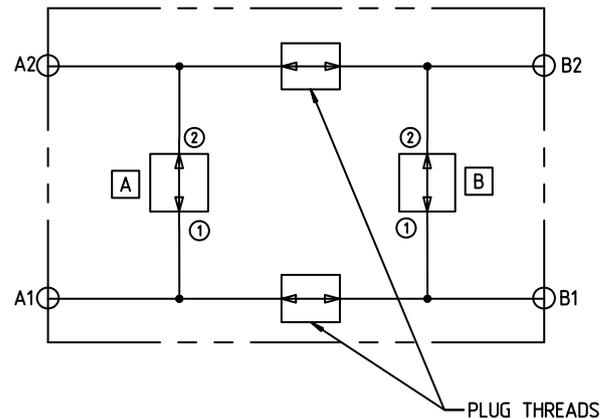
Distributors can choose from two standard dual body designs for multi-function circuits. These dual bodies will be available in both cross port and parallel circuit types. Threaded plug options are included to allow for design flexibility. Four sizes are available to house -8, -10, -12, and -16 two-way cartridges. Aluminum and steel versions with SAE or BSP ports can be selected.

- Bodies designed for Two, 2-way Cartridges
- Cross-Port and Parallel Designs
- -8, -10, -12, -16 Body Sizes
- Aluminum and Steel
- SAE and BSP Porting
- Threaded Plug Options Available for More Flexibility (Parallel Bodies)

Dual Cross Port Body - Basic Schematic



Dual Parallel Body - Basic Schematic



Dual Cross Port (DCP) Bodies

Dual Parallel (DPL) Bodies

DCP16-2



DCP12-2

DCP10-2

DCP08-2

DPL16-2

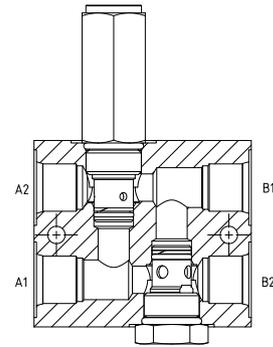
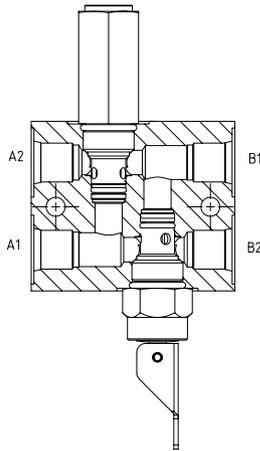
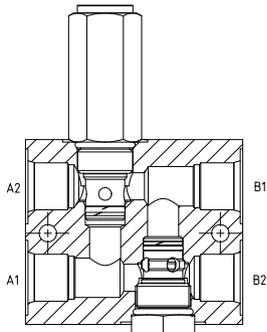
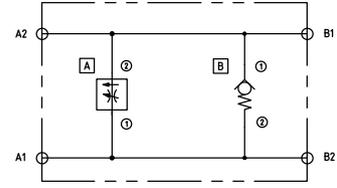
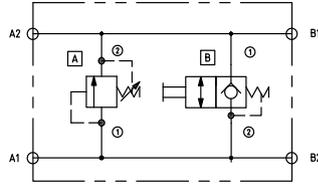
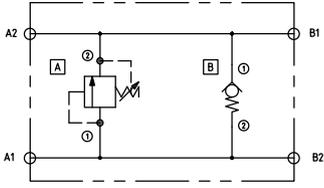


DPL12-2

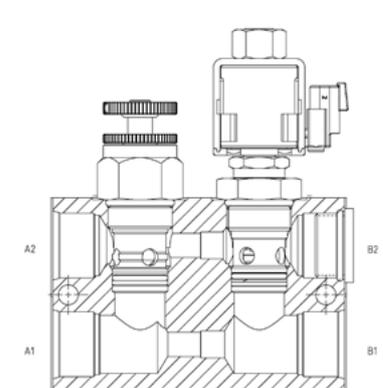
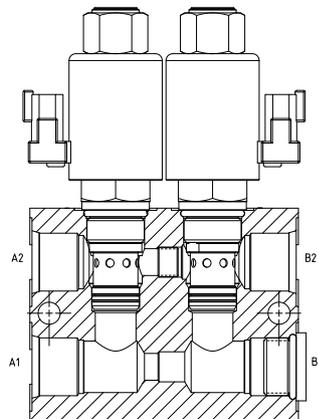
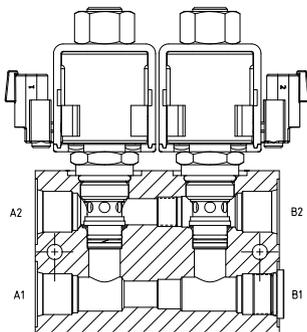
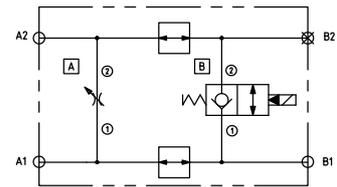
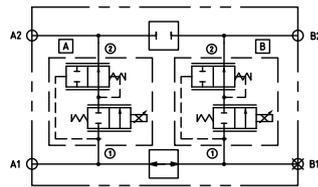
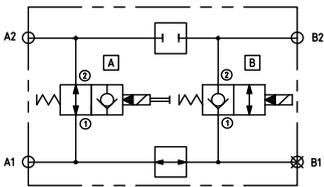
DPL10-2

DPL08-2

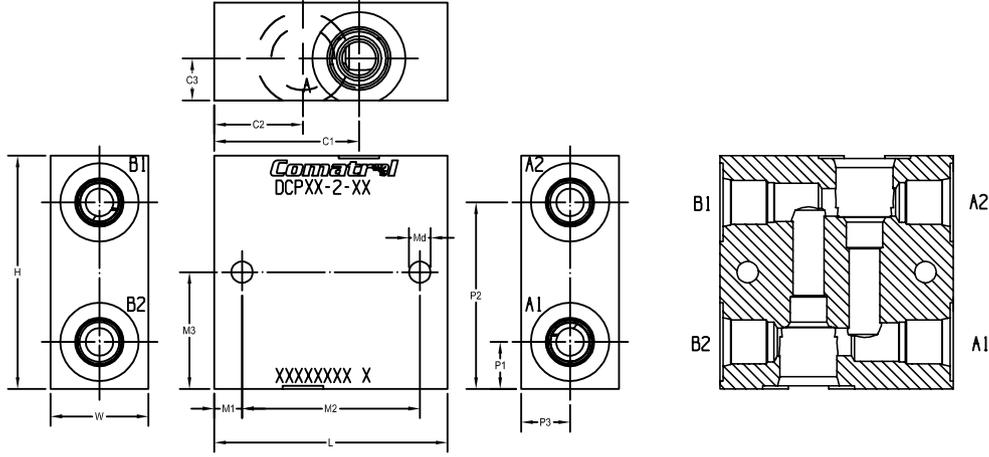
**Circuits Examples - Dual Cross Port Body**



**Circuit Examples - Dual Parallel Body**



**Dual Cross-Port (DCP) Bodies**



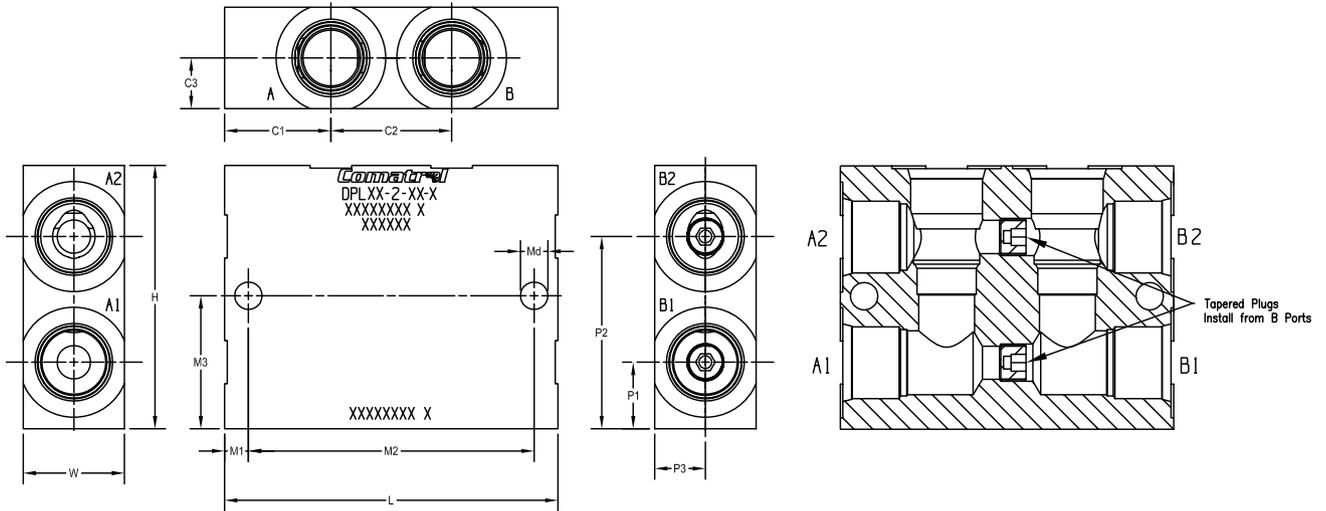
MX - Mix-N-Match Dual Bodies Dimensions

**PortDimensions**

Body	Ports (SAE)	Plug Thread (Plug Part #)	Material	W		L		H		M1		M2		M3		Md		P1		P2		P3		C1		C2		C3	
				mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DPL08	#6 SAE	M10x1 (321562)	Aluminum	31.8	1.25	100.0	3.94	62.5	2.46	8.0	0.31	84.0	3.31	31.2	1.23	7.0	0.28	15.0	0.59	47.3	1.86	15.9	0.63	27.5	1.08	45.0	1.77	13.6	0.54
			Ductile	31.8	1.25	100.0	3.94	75.7	2.98	8.0	0.31	84.0	3.31	37.8	1.49	7.0	0.28	15.0	0.59	60.5	2.38	15.9	0.63	27.5	1.08	45.0	1.77	13.6	0.54
DPL10	#8 SAE	M14x1.5 (321660)	Aluminum	38.1	1.50	113.3	4.46	75.7	2.98	9.0	0.35	94.7	3.73	37.8	1.49	7.0	0.28	18.0	0.71	56.7	2.23	19.0	0.75	32.0	1.26	48.7	1.92	17.5	0.69
			Ductile	38.1	1.50	113.3	4.46	75.7	2.98	9.0	0.35	94.7	3.73	37.8	1.49	7.0	0.28	18.0	0.71	56.7	2.23	19.0	0.75	32.0	1.26	48.7	1.92	17.5	0.69
DPL12	#12 SAE	M14x1.5 (321660)	Aluminum	38.1	1.50	125.4	4.94	99.0	3.90	9.0	0.35	107.2	4.22	50.0	1.97	10.3	0.41	25.0	0.98	72.2	2.84	19.0	0.75	40.0	1.57	45.2	1.78	19.1	0.75
			Ductile	38.1	1.50	125.4	4.94	99.0	3.90	9.0	0.35	107.2	4.22	50.0	1.97	10.3	0.41	25.0	0.98	72.2	2.84	19.0	0.75	40.0	1.57	45.2	1.78	19.1	0.75
DPL16	#16 SAE	M14x1.5 (321660)	Aluminum	49.8	1.96	152.4	6.00	99.0	3.90	9.0	0.35	132.8	5.23	49.0	1.93	10.3	0.41	23.5	0.93	73.4	2.89	24.9	0.98	46.0	1.81	61.4	2.42	24.9	0.98
			Ductile	49.8	1.96	152.4	6.00	99.0	3.90	9.0	0.35	132.8	5.23	49.0	1.93	10.3	0.41	23.5	0.93	73.4	2.89	24.9	0.98	46.0	1.81	61.4	2.42	24.9	0.98

Body	Ports (BSP)	Plug Thread (Plug Part #)	Material	W		L		H		M1		M2		M3		Md		P1		P2		P3		C1		C2		C3	
				mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DPL08	G3/8	M10x1 (321562)	Aluminum	32.0	1.26	100.0	3.94	62.5	2.46	8.0	0.31	84.0	3.31	31.3	1.23	7.0	0.28	15.0	0.59	47.5	1.87	16.0	0.63	72.5	2.85	27.5	1.08	13.6	0.54
			Ductile	32.0	1.26	100.0	3.94	75.7	2.98	8.0	0.31	84.0	3.31	37.9	1.49	7.0	0.28	15.0	0.59	60.8	2.39	16.0	0.63	72.6	2.86	28.0	1.10	13.6	0.54
DPL10	G1/2	M14x1.5 (321660)	Aluminum	38.0	1.50	113.0	4.45	75.0	2.95	9.2	0.36	94.7	3.73	37.5	1.48	7.0	0.28	18.0	0.71	58.5	2.30	19.0	0.75	81.0	3.19	32.0	1.26	17.5	0.69
			Ductile	38.0	1.50	113.0	4.45	75.0	2.95	9.2	0.36	94.7	3.73	37.5	1.48	7.0	0.28	18.0	0.71	58.5	2.30	19.0	0.75	81.0	3.19	32.0	1.26	17.5	0.69
DPL12	G3/4	M14x1.5 (321660)	Aluminum	38.0	1.50	126.0	4.96	99.0	3.90	9.3	0.37	107.4	4.23	50.0	1.97	10.5	0.41	25.0	0.98	72.2	2.84	19.0	0.75	85.5	3.37	40.0	1.57	19.0	0.75
			Ductile	38.0	1.50	126.0	4.96	99.0	3.90	9.3	0.37	107.4	4.23	50.0	1.97	10.5	0.41	25.0	0.98	72.2	2.84	19.0	0.75	85.5	3.37	40.0	1.57	19.0	0.75
DPL16	G1	M14x1.5 (321660)	Aluminum	50.0	1.97	155.0	6.10	99.0	3.90	10.3	0.41	134.4	5.29	49.0	1.93	10.5	0.41	23.5	0.93	73.5	2.89	25.0	0.98	107.7	4.24	47.3	1.86	25.0	0.98
			Ductile	50.0	1.97	155.0	6.10	99.0	3.90	10.3	0.41	134.4	5.29	49.0	1.93	10.5	0.41	23.5	0.93	73.5	2.89	25.0	0.98	107.7	4.24	47.3	1.86	25.0	0.98

**Dual Parallel (DPL) Bodies**



**Port Dimensions**

Body	Ports (SAE)	Material	W		L		H		M1		M2		M3		Md		P1		P2		P3		C1		C2		C3	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DCP08	#6 SAE	Aluminum	31.8	1.25	75.0	2.95	62.5	2.46	9.0	0.35	57.0	2.24	31.0	1.22	7.0	0.28	15.2	0.60	47.3	1.86	15.9	0.63	46.5	1.83	28.5	1.12	13.6	0.54
		Ductile	31.8	1.25	75.7	2.98	75.7	2.98	9.0	0.35	57.0	2.24	37.9	1.49	7.0	0.28	15.2	0.60	60.5	2.38	15.9	0.63	46.9	1.85	28.8	1.13	13.6	0.54
DCP10	#8 SAE	Aluminum	38.1	1.50	87.3	3.44	75.0	2.95	9.0	0.35	69.3	2.73	37.0	1.46	7.0	0.28	19.0	0.75	56.1	2.21	19.1	0.75	32.0	1.26	55.3	2.18	15.9	0.63
		Ductile	38.1	1.50	87.3	3.44	75.0	2.95	9.0	0.35	69.3	2.73	37.0	1.46	7.0	0.28	19.0	0.75	56.1	2.21	19.1	0.75	33.5	1.32	53.8	2.12	18.1	0.71
DCP12	#12 SAE	Aluminum	38.1	1.50	125.4	4.94	99.0	3.90	9.0	0.35	94.7	3.73	50.0	1.97	10.3	0.41	26.8	1.05	73.3	2.88	19.0	0.75	71.7	2.82	41.0	1.61	19.0	0.75
		Ductile	38.1	1.50	112.7	4.44	99.0	3.90	9.0	0.35	107.4	4.23	50.0	1.97	10.3	0.41	26.8	1.05	72.3	2.84	19.0	0.75	83.4	3.28	42.0	1.65	19.1	0.75
DCP16	#16 SAE	Aluminum	44.5	1.75	125.4	4.94	100.0	3.94	9.0	0.35	107.4	4.23	50.0	1.97	10.3	0.41	23.0	0.91	75.5	2.97	22.2	0.88	79.4	3.13	46.0	1.81	22.2	0.88
		Ductile	44.5	1.75	125.4	4.94	112.7	4.44	9.0	0.35	107.4	4.23	56.4	2.22	10.3	0.41	25.6	1.01	87.2	3.43	22.2	0.88	79.4	3.13	46.0	1.81	22.2	0.88

Body	Ports (BSP)	Material	W		L		H		M1		M2		M3		Md		P1		P2		P3		C1		C2		C3	
			mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DCP08	G3/8	Aluminum	32.0	1.26	75.0	2.95	62.5	2.46	9.0	0.35	57.0	2.24	31.0	1.22	7.0	0.28	15.2	0.60	47.3	1.86	16.0	0.63	46.5	1.83	28.5	1.12	13.6	0.54
		Ductile	32.0	1.26	75.0	2.95	75.0	2.95	9.0	0.35	57.0	2.24	37.5	1.48	7.0	0.28	15.2	0.60	60.5	2.38	16.0	0.63	47.0	1.85	28.7	1.13	13.6	0.54
DCP10	G1/2	Aluminum	38.0	1.50	87.3	3.44	75.0	2.95	9.0	0.35	69.3	2.73	37.0	1.46	7.0	0.28	19.0	0.75	56.1	2.21	19.0	0.75	33.5	1.32	53.8	2.12	18.1	0.71
		Ductile	38.0	1.50	87.3	3.44	75.0	2.95	9.0	0.35	69.3	2.73	37.0	1.46	7.0	0.28	19.0	0.75	56.0	2.20	19.0	0.75	33.5	1.32	53.8	2.12	18.0	0.71
DCP12	G3/4	Aluminum	38.0	1.50	112.7	4.44	99.0	3.90	9.0	0.35	94.7	3.73	50.0	1.97	10.5	0.41	26.8	1.05	72.3	2.84	19.0	0.75	71.7	2.82	41.0	1.61	19.0	0.75
		Ductile	38.0	1.50	125.4	4.94	99.0	3.90	9.0	0.35	107.4	4.23	50.0	1.97	10.5	0.41	26.7	1.05	73.3	2.88	19.0	0.75	83.4	3.28	42.0	1.65	19.0	0.75
DCP16	G1	Aluminum	45.0	1.77	129.0	5.08	99.0	3.90	10.8	0.43	107.4	4.23	49.5	1.95	10.5	0.41	22.5	0.89	75.0	2.95	22.5	0.89	81.2	3.20	47.8	1.88	22.5	0.89
		Ductile	45.0	1.77	129.0	5.08	99.0	3.90	10.8	0.43	107.4	4.23	49.5	1.95	10.5	0.41	22.5	0.89	75.0	2.95	22.5	0.89	81.2	3.20	47.8	1.88	22.5	0.89

MX - Mix-N-Match Dual Bodies  
Dimensions

**SPECIFICATIONS**

<b>Rated pressure</b>	204 bar [3000 psi], Aluminum 414 bar [6000 psi], Ductile
<b>Finish</b>	Aluminum, None Ductile, Zinc Plate
<b>Plug Torque</b>	M10x1.0 - 321562 [16-19 Nm (11.8-14 lbf*ft)] M14x1.5 - 321660 [35-38 Nm (25.8-28 lbf*ft)]

**ORDERING INFORMATION - Dual Cross Port Body**

**DCP08-2-S6S**  
 Dual Cross-Port Housing

Code	Cavities
08-2	SDC08-2
10-2	SDC10-2
12-2	CP12-2
16-2	SDC16-2

Code	Material
Omit	Aluminum, 6061-T6
S	Ductile Iron

Code	Ports	Cavity
6S	SAE 6	08-2
8S	SAE 8	10-2
12S	SAE 12	12-2
16S	SAE 16	16-2
3B	3/8 BSP	08-2
4B	1/2 BSP	10-2
6B	3/4 BSP	12-2
8B	1 BSP	16-2

**ORDERING INFORMATION - Dual Parallel Body**

**DPL08-2-S6S-A**  
 Dual Parallel Housing

Code	Cavities
08-2	SDC08-2
10-2	SDC10-2
12-2	CP12-2
16-2	SDC16-2

Code	Material
Omit	Aluminum, 6061-T6
S	Ductile Iron

Code	Ports	Cavity
6S	SAE 6	08-2
8S	SAE 8	10-2
12S	SAE 12	12-2
16S	SAE 16	16-2
3B	3/8 BSP	08-2
4B	1/2 BSP	10-2
6B	3/4 BSP	12-2
8B	1 BSP	16-2

Code	Plugs
Omit	None
A	Plug A1 - B1
B	Plug A2 - B2
C	Plug Both

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Specs & Ordering Information