CHIEF™ D05 SOLENOID VALVES

Build-To-Order Guide

Spool Code: [ ]

Valve Size	Voltage	Wiring	Spool Positions	Spool Type	Spool Style	Spool Action
D05						
Other Options Available	12VDC 24VDC 110VAC 220VAC Other	Junction Box DIN Connector	3-Way, 2-Position 4-Way, 2-Position 3-Way, 3-Position 4-Way, 3-Position	Closed Center Open Center Motor Center Motor Center (Metered) B-Closed Tandem Open Centered T-Closed P Open to A A Open to T A-Closed	Closed in Transition Open in Transition Diverter Type Single Acting (2-Position) Divider (non-compensated) Other	Spring Offset Closed Spring Centered Detent (1 & 2)

AC

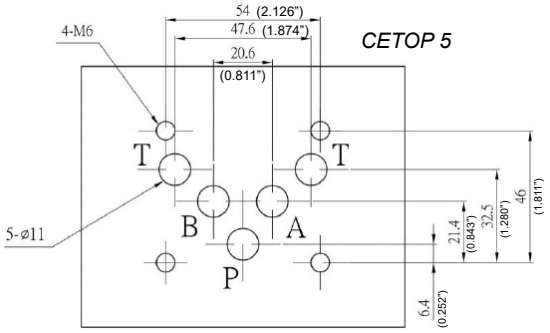
DC

Note, not all combinations are possible. Reasonable effort has been made to make this guide as intuitive as possible; however, the Bailey Tech Team may need to make adjustments and reserves the right to do so if the combination requested cannot be accomplished.

With an improved spool, coil and dual tank line design, the Chief D05 Solenoid valve line offers better flow characteristics and current draw, even at higher flows and pressures, than similar valves in the industry.

- High efficiency directional control solenoid valves
- Indicator lights included
- Junction box wiring connection unless DIN is specificed
- IP65 rated, not waterproof
- AC options are dual rated, 50/60 Hz
- Use with ISO 46 or 68 rated hydraulic oil
- Subplates for single valves, use manifolds for multiple
- Imperial and metric bolts included

Mounting Dimensions



Pre-configured D05 Sizes. Other sizes and configurations available.

PART NO.	PSI	VOLTAGE	GPM	SPOOL TYPE	SPOOL ACTION	AMPS	CIRCUIT	SHIP WT.
229306	4480	110VAC	26	4-way 2 pos.	Spring offset closed	0.69	Parallel	8
229324	4480	12VDC	26	4-way 2 pos.	Spring offset closed	2.03	Parallel	8
229307	4480	110VAC	34	4-way 3 pos. closed center	Spring center to neutral	0.69	Parallel	9
229307DIN	4480	110VAC	34	4-way 3 pos. closed center	Spring center to neutral	0.69	Parallel	9
229327	4480	12VDC	34	4-way 3 pos. closed center	Spring center to neutral	2.03	Parallel	11
229327DIN	4480	12VDC	34	4-way 3 pos. closed center	Spring center to neutral	2.03	Parallel	11
229308	4480	110VAC	40	4-way 3 pos. open center	Spring center to neutral	0.69	Series	9
229372DIN	4480	12VDC	40	4-way 3 pos. open center	Spring center to neutral	2.03	Series	12
229372	4480	12VDC	40	4-way 3 pos. open center	Spring center to neutral	2.03	Series	12
229310	4480	110VAC	26	4-way 3 pos. motor float	Spring center to neutral	0.69	Parallel	9
229310DIN	4480	110VAC	26	4-way 3 pos. motor float	Spring center to neutral	0.69	Parallel	9
229333DIN	4480	220VAC	26	4-way 3 pos. motor float	Spring center to neutral	0.33	Parallel	10
229315	4480	12VDC	26	4-way 3 pos. motor float	Spring center to neutral	2.03	Parallel	11
229315DIN	4480	12VDC	26	4-way 3 pos. motor float	Spring center to neutral	2.03	Parallel	11
229309	4480	110VAC	26	4-way 3 pos. tandem center	Spring center to neutral	0.69	Series	9
229397	4480	220VAC	26	4-way 3 pos. tandem center	Spring center to neutral	0.33	Series	12
229317	4480	12VDC	26	4-way 3 pos. tandem center	Spring center to neutral	2.03	Series	11
229317DIN	4480	12VDC	26	4-way 3 pos. tandem center	Spring center to neutral	2.03	Series	11
229318	4480	24VDC	26	4-way 3 pos. tandem center	Spring center to neutral	1.48	Series	12
794192	Bolt Kit - 1/4-20 X 1.50L SHCS (Number of bolts: 4)							0.37

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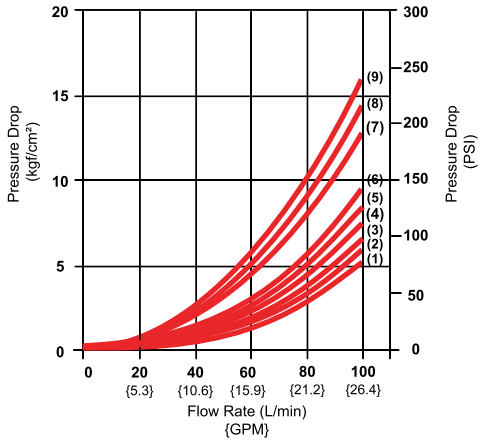
D05 Pressure Drop Curve

Measured at v=38mm²/s and temp.=50°C

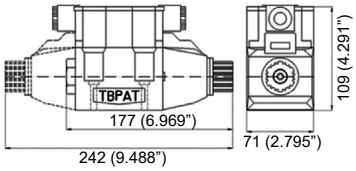
Spool Code	Pressure Drop Curve Number					Max Allowable Back Pressure
	P → A	B → T	P → B	A → T	P → T	PSI
B2	(8)	(9)	(3)	(3)	-	1,400
B3	(7)	(8)	(1)	(1)	-	1,400
B8	(4)	-	(5)	-	-	1,130
C2	(3)	(3)	(3)	(3)	-	1,840
C3	(1)	(1)	(1)	(1)	(5)	2,130
C4	(3)	(2)	(3)	(2)	-	1,400
C40	(3)	(3)	(3)	(3)	-	1,280
C60	(4)	(5)	(4)	(5)	(9)	1,400
C9	(1)	(3)	(1)	(3)	-	1,400
C10	(3)	(2)	(3)	(3)	-	1,500
C11	(1)	(3)	(3)	(3)	-	1,500
C12	(3)	(3)	(3)	(2)	-	1,500
D2	(6)	(7)	(4)	(4)	-	1,700



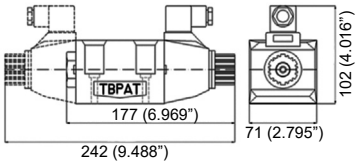
D05 Spool Codes

Spring Offset 3-Position	Graphic Symbols	Spring Offset 2-Position	Graphic Symbols	Spring Offset 2-Position (cont.)	Graphic Symbols
3C2		2A2		2D2D	
3C3		2A3		2D2	
3C4		2A14		2D3	
3C40		2A2L		2D4	
3C5		2A3L		2D40	
3C6		2A14L		2D7	
3C60		2B2		2D2A	
3C7		2B2L		2D4A	
3C8		2B3		2D40A	
3C9		2B3L		2D5A	
3C10		2B8		2D6A	
3C11		2B8L		2D60A	
3C12		2B27		2D7A	
3C25		2B28		2D9A	
3C29		2B29		2D10A	
3C48				2D11A	
3C62				2D12A	
3C64					
3C67					
3C89					
3C94					

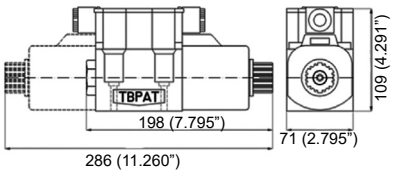
Unit Dimensions



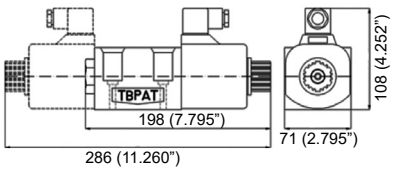
AC Junction Box



AC DIN Connector



DC Junction Box



DC DIN Connector

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