

FLOW RATE	12	12GPM						
SPOOL NUMBER	1 4	Single Four	2 5	Two Five		3 6	Three Six	
PORT SIZE	4N 3N	1/2" NPT In/Out 3/8"NPT Work			10S 8S	#10SAE In/Out #8SAE Work #8SAE In/Out #8SAE Work		
SPOOL TYPE	A C	4 way 3position / Open center 4 way 3position / Open center / Motor Spool			- · · · · · · · · · · · · · · · · · · ·			
SPOOL ATTACHMENT	A C E	3 position Spring center to neutral Pressure release detent 1 position detent spool"out" only.Spring center to neutral		Pressure release detent 2 position detent spool"in"and "out"only. Spring center to neutral				
RELIEF VALVE	1 3	4 position, spring center to neutral. Detent spool in for float No relief Differential poppet Non-adjustable set at 2000psi			Differential poppet Non-adjustable set at 1000psi Differential poppet adjustable 500-3000psi set at 1800psi			
INLET	Α	End		В	Тор			
OUTLET	1	End		2	Тор			
POWER BEYOND	A C	Closed center plug installed Power beyond plug installed with 1/2" NPT		B D		Conversion plug installed Power beyond plug installed with #10 SAE		

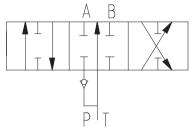
 $\textbf{Notes:} \ \mathsf{For} \ \mathsf{other} \ \mathsf{spool} \ \mathsf{type}, \mathsf{spool} \ \mathsf{attachment} \ \mathsf{and} \ \mathsf{relief} \ \mathsf{settings}, \mathsf{please} \ \mathsf{specify}.$

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SPOOL TYPE:

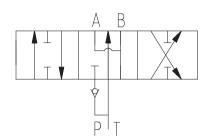


Open center. Powers cylinder or motor in both directions (metering capability is very limited). Pump unloads to tank when spool is in neutral. Cylinder or motor blocked when spool in neutral.

A B

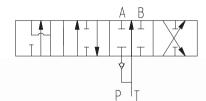
Open center Single Acting. This Spool option is used to control a single acting cylinder or aubidirectional motor.

P

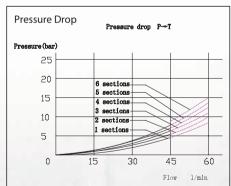


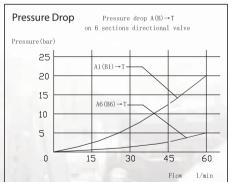
Open center Motor Spool. The spool option can be used to control a bi-rotational motor or a double acting cylinder. In neutral the work ports are open to the return. This allows a cylinder to drift or a motor to coast to a stop. In neutral the oil goes through the open center passage to the next spool of multi-spool valve or the power.

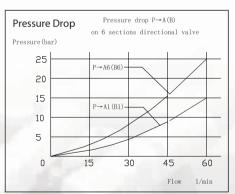
D



Open center Float Spool. The option is added fourth"float" position. In neutral the work ports are blocked, and oil goes through the open center passage to the next spool or power beyond.











- Economical mono-block construction of high tensile strength gray cast iron
- Hard chrome plated spool
- Differential poppet style relief, adjustable from 500 to 3,000PSI, relief preset at 1,800PSI
- Power beyond and closed center capability
- Float spool, motor spool is available









MD1234NAAAAAAAA1B









MD1264NAAAAAAAAAAAAAA1B

MD1244NAAAAAAAAAA1B

Item No.	Product Name	Spool Type 1st/2nd/3rd	Spool Action 1st/2nd/3rd	I/O Port	Working Port	Flow Rate	Working Pressure	Weight
MD1214NAA4A1B	1-Spool	4-Way/3-Pos	Spring Center to neutral from either work position	1/2" NPT	3/8" NPT	12 GPM	3,000 PSI	6.4 lbs
								(2.9kgs)
MD1224NAAAA4A1B	2-Spool	4-Way/3-Pos	Spring Center to neutral from either work position	1/2" NPT	3/8" NPT	12 GPM	3,000 PSI	10.0 lbs
		4-Way/3-Pos						(4.5kgs)
MD1234NAAAAAAAA1B	3-Spool	4-Way/3-Pos		1/2" NPT	3/8" NPT	12 GPM	3,000 PSI	13.3 lbs
		4-Way/3-Pos	Spring Center to neutral from either work position					(6.0kgs)
		4-Way/3-Pos						

MD1254NAAAAAAAAAAAA1B

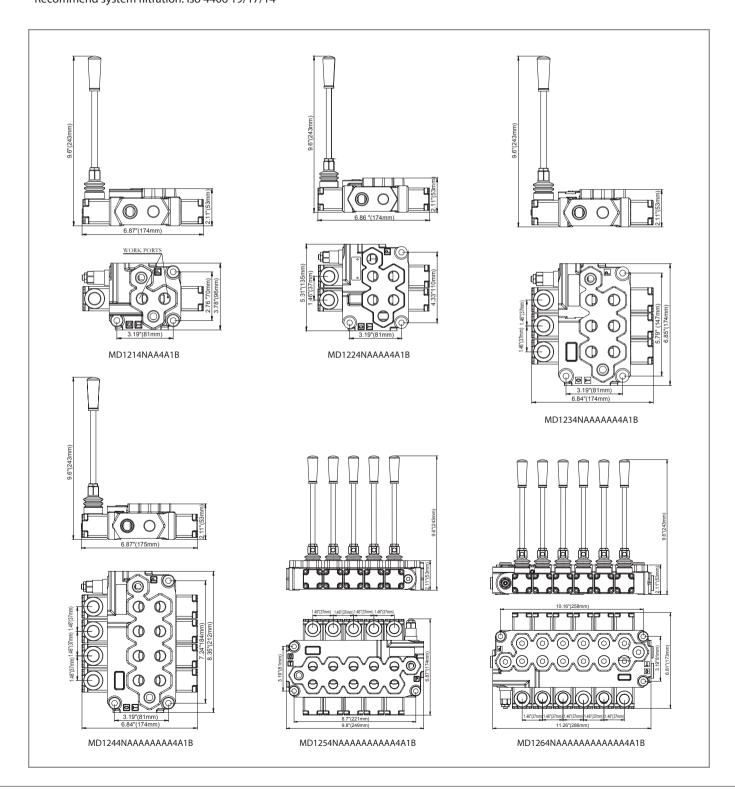
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Standard Features:

- Parallel circuit
- Maximum operating pressure: 3,500PSI
- Maximum operating temperature: 180°F
- Maximum tank port pressure: 500PSI
- Recommend system filtration: Iso 4406 19/17/14





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