

DESCRIPTION

Anfield valve model MA12 model is a 12 gpm (45 l/m) monoblock directional valve that is available from single spool through 6 spool configurations. They feature metered spools for smooth shifting and transition, built in adjustable relief valve, hardened steel spools and come standard with SAE 8 work and inlet/outlet ports. The hand levers are field adjustable for either horizontal or vertical mounting. Field convertible to utilize the power beyond plug. Stock configurations with open center, blocked center for cylinder applications or Pressure blocked, A & B to Tank center position for motor applications.



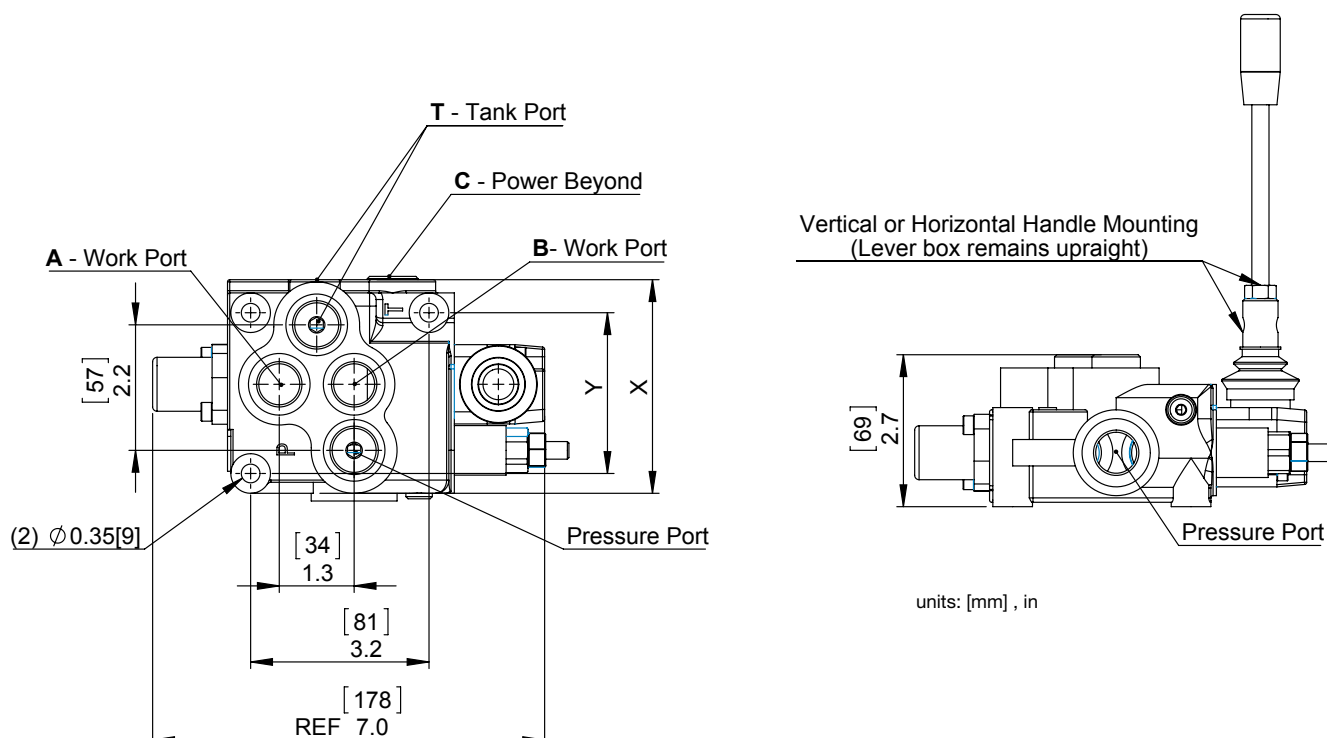
TYPICAL APPLICATIONS

- Agricultural
- Material Handling Equipment
- Construction
- Maintenance Machinery
- Mining

MA12 TECHNICAL DATA

Nominal Flow Rate	12 GPM	45 L/min
Max Flow Rate	14 GPM	55 L/min
Sections Available	1 to 6 Sections	
Max. Operating Pressure	4500 psi	310 bar
Max Pressure for P port	4500 psi	310 bar
Max Pressure for A & B port	4500 psi	310 bar
Max Pressure for T port	360 psi	25 bar
Recommended Oil Viscosity Range	0.02 to 0.12 in ² /s	15 to 75 mm ² /s
Recommended Temperature Range	-400F to 1400F	-400C to 600C

MA12 DIMENSIONS



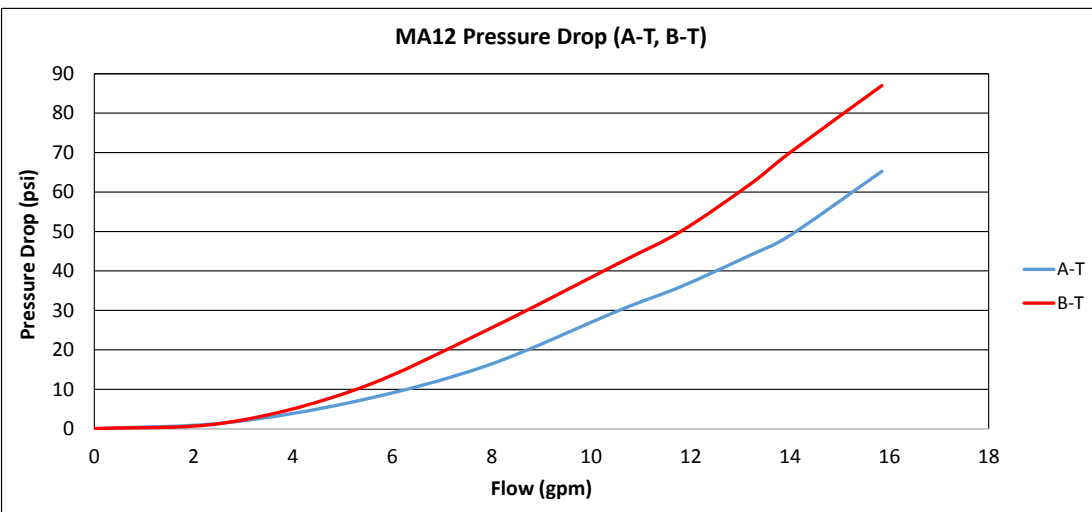
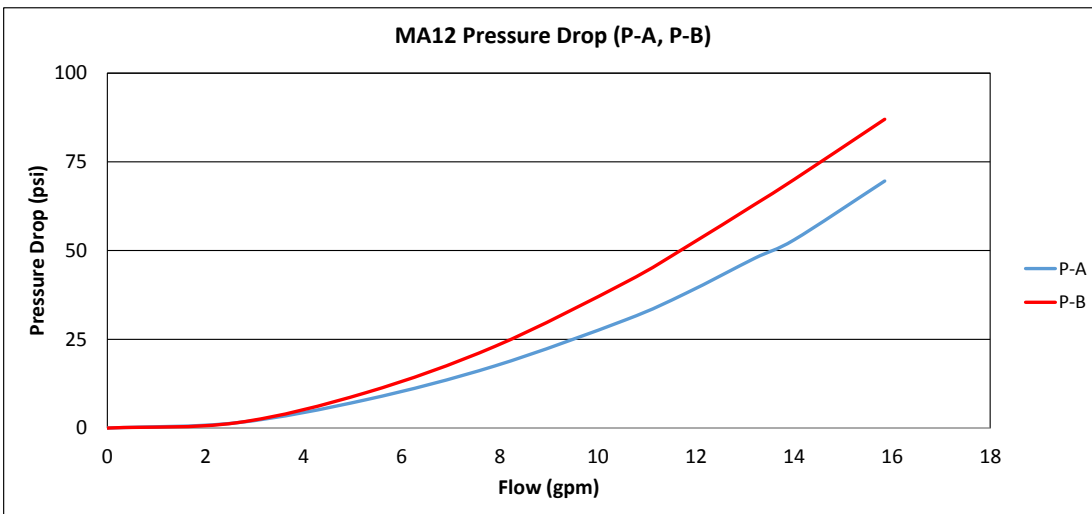
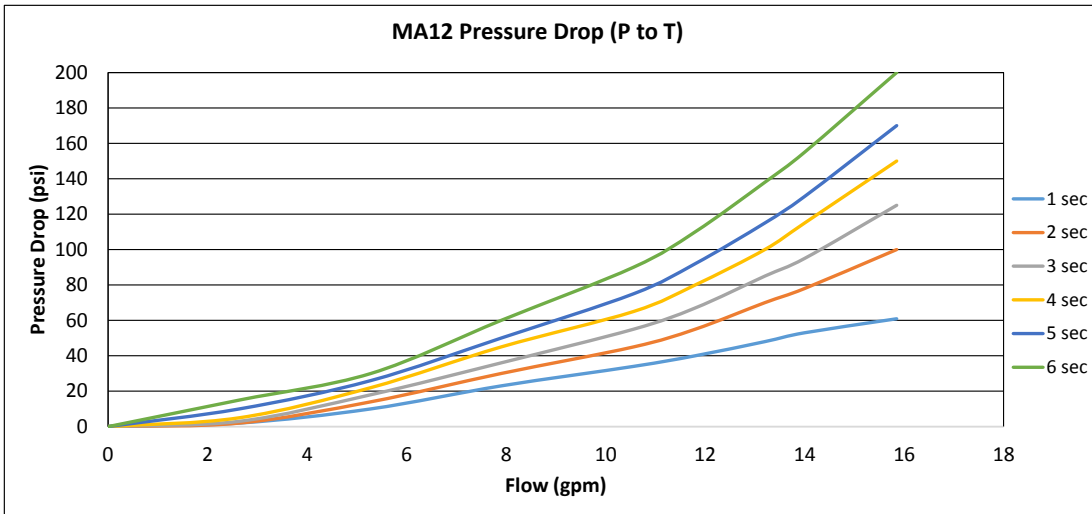
STANDARD THREADS

MA12 PORTS	Inlet P	A and B	Outlet T	Outlet C
	3/4-16 (SAE 8)	3/4-16 (SAE 8)	3/4-16 (SAE 8)	3/4-16 (SAE 8)

MA12 STANDARD DIMENSIONS & WEIGHT

Model	X		Y		Z		LBS
	inch	mm	inch	mm	inch	mm	
MA12 - 1 Spool	3.9	100.5	2.8	73	2.8	70	7.5
MA12 - 2 Spool	5.4	137.5	4.3	110	3.2	81	13
MA12 - 3 Spool	6.9	174.5	5.7	147	3.2	81	16
MA12 - 4 Spool	8.3	211.5	6.3	160	3.2	81	21
MA12 - 5 Spool	9.7	248.5	8.6	220	3.2	81	24
MA12 - 6 Spool	11.2	285.5	10.2	260	3.2	81	33

MA12 PERFORMANCE CHARTS



MA12 ORDERING CODE

Example :

										First Spool											Second Spool										
MA12	-	2S	-	R2	-	D1	-	1	-	L	-	D2	-	1	-	L	-	8S	-	M8											

1. BODY KITS :

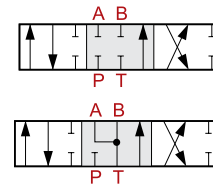
1S	-	1 Section	4S	-	4 Section
2S	-	2 Section	5S	-	5 Section
3S	-	3 Section	6S	-	6 Section

2. INLET RELIEF:

R2	-	40 Bar to 180 Bar (580 psi to 2610 psi), Standard Setting 80 Bar (1160 psi)
R3	-	63 Bar to 200 Bar (914 psi to 2900 psi), Standard Setting 120 Bar (1740 psi)
R4	-	160 Bar to 315 Bar (2320 psi to 4568 psi), Standard Setting 220 Bar (3190 psi)
SV	-	Relief valve blanking plug

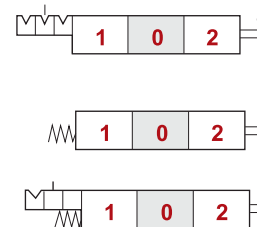
3. SPOOL TYPE:

D1	-	4 Way 3 Position A, B Closed in Neutral Position
D2	-	4 Way 3 Position A, B Open to Tank in neutral Position



4. A SIDE SPOOL POSITION

1	-	3 Position Detent
S	-	Spring Center to Neutral
DS3	-	Detent in position 1 with spring centered



5. B SIDE SPOOL POSITION

L	-	Lever Handle
J	-	Joystick lever for 2 section operation

6. THREAD

8S	-	A & B Ports- 3/4-16 (SAE8)
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7. OPTIONS

M3	-	No Power Beyond
M8	-	Power Beyond