

IFP MD20-Design "73" Manually Operated Monoblock Valves



FEATURES

- * Adjustable Balanced Piston Relief Valve
- * Power Beyond / Closed Center Available
- * Integral Load Holding Check Valve
- * Optional Pilot Operated Check Valves
- * Single / Double acting & Motor spools
- * Spring Return or Detent



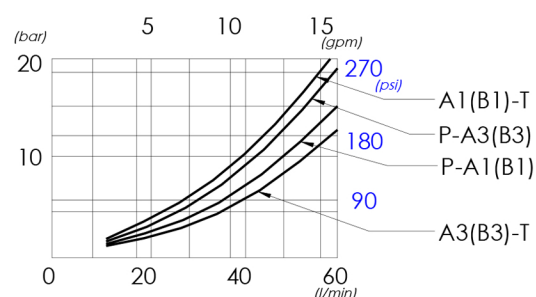
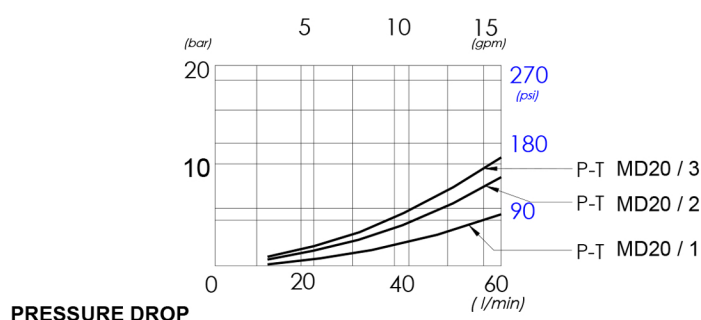
MD20 ORDERING CODE

IFP MD 20 1 C S D P 73

Monoblock Valve | **Valve Series** 20 = 15 GPM | **Number of Spools** 1 = 1 Spool, 2 = 2 Spool, 3 = 3 Spool | **Spool Type** C = Double Acting, M = Motor Spool | **Port Type** S = SAE (Std), N = NPT *Factory Lead Time, B = BSP *Factory Lead Time | **Spool Function** No Code = Spring Return, D = Detent | **Tank Port** No Code = Open Center, C = Closed Center, P = Power Beyond | **Design Number** 73

Model	MD20
Maximum Flow	15 US gpm (56 l/min)
Recommended flow	12 US gpm (45 l/min)
Maximum Pressure	5000 PSI (350 bar)
Maximum Back Pressure	1160 PSI (80 bar)
Leakage @1500 PSI (100bar)	0.06 in ³ /min (1 cm ³ /min)
Weight MD20 -1	7.9 lbs (3.6 kg)
Weight MD20 -2	11.2 lbs (5.1 kg)
Weight MD20 -3	15.1 lbs (6.9 kg)

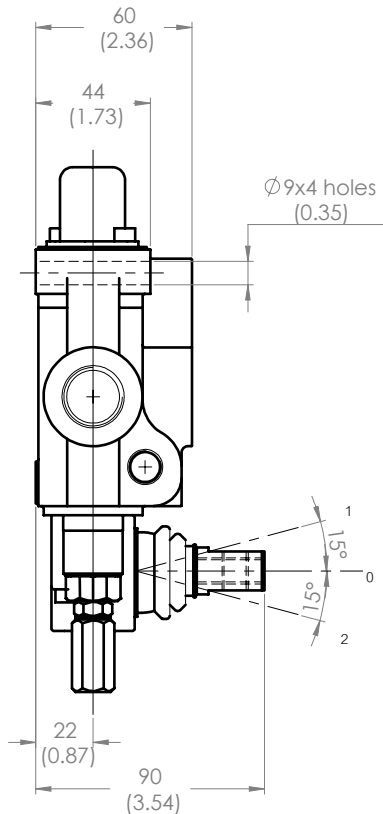
Valve Ports			
Thread	Port - A & B	Pressure	Tank
SAE	SAE-8	SAE- 10	SAE- 10
NPT	1/2"	1/2"	1/2"
BSP	1/2"	1/2"	1/2"



IFP MD20-DESIGN "73" Manually Operated Monoblock Valve "Single Spool"

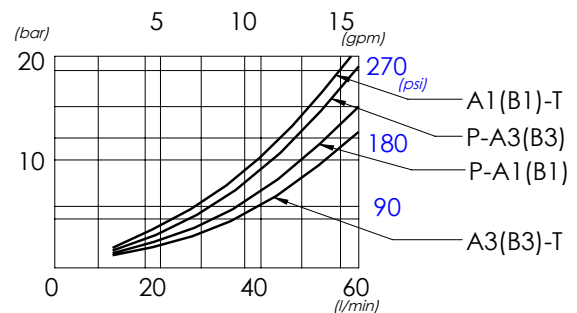
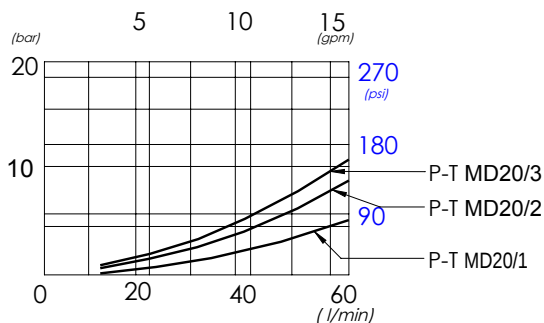
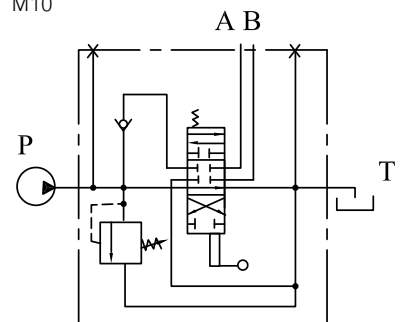
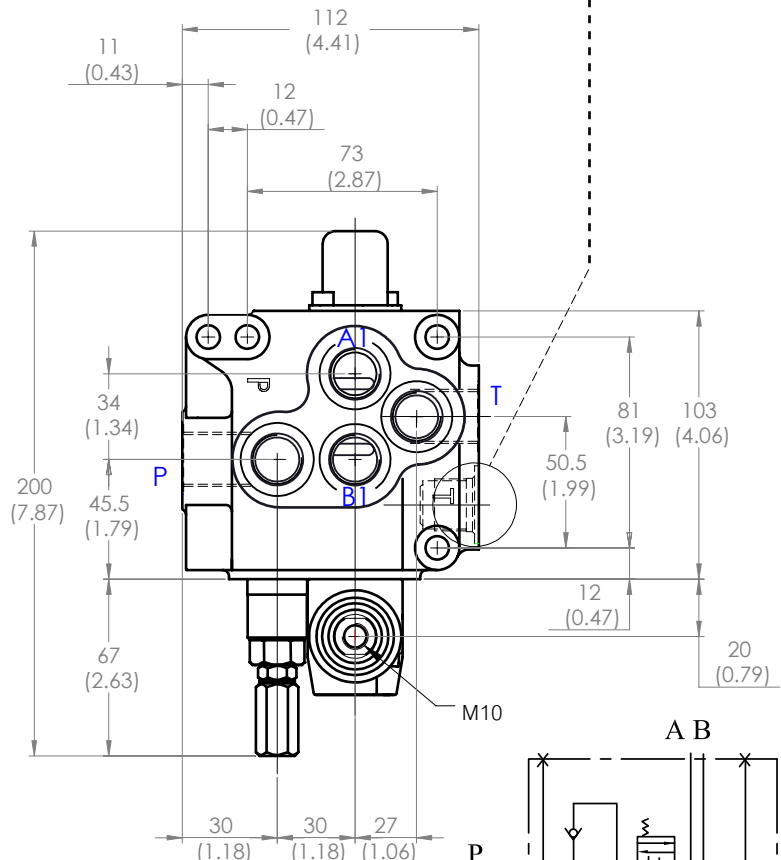
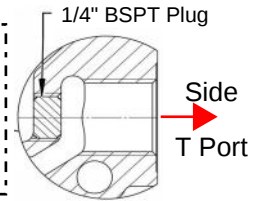


Dimensions: mm (Inches)



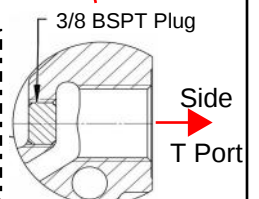
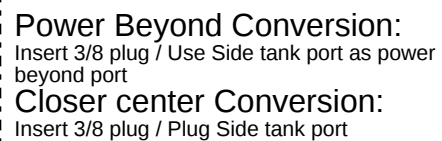
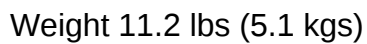
Weight 7.9 lbs(5.1 kg)

Power Beyond Conversion:
Insert 1/4 plug / Use Side tank port as power beyond port
Closer center Conversion:
Insert 1/4 plug / Plug Side tank port



PRESSURE DROP

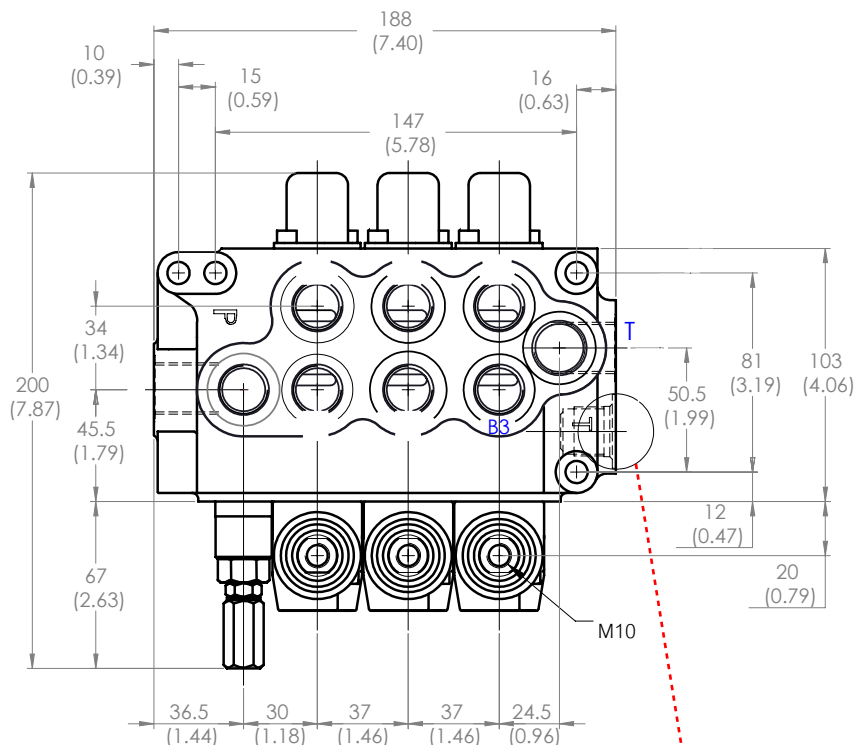
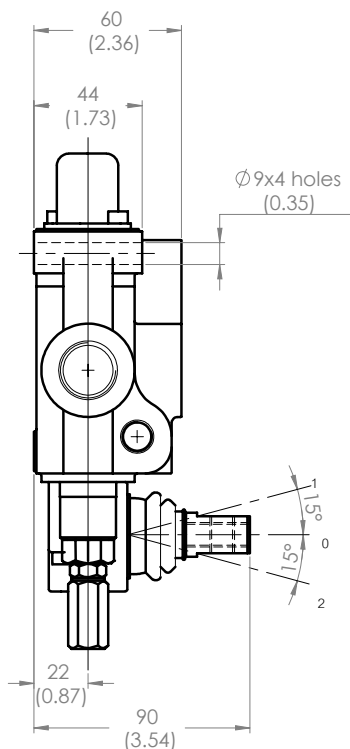
New compact
Design



IFP MD20-Design "73" Manually Operated Monoblock Valve "Triple Spool"

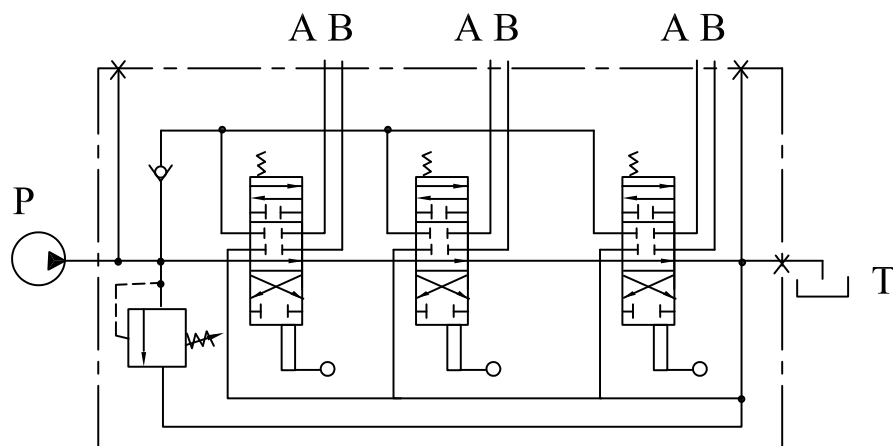
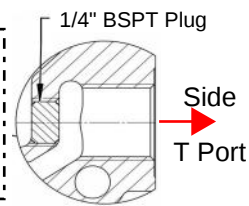


Dimensions: mm(inches)



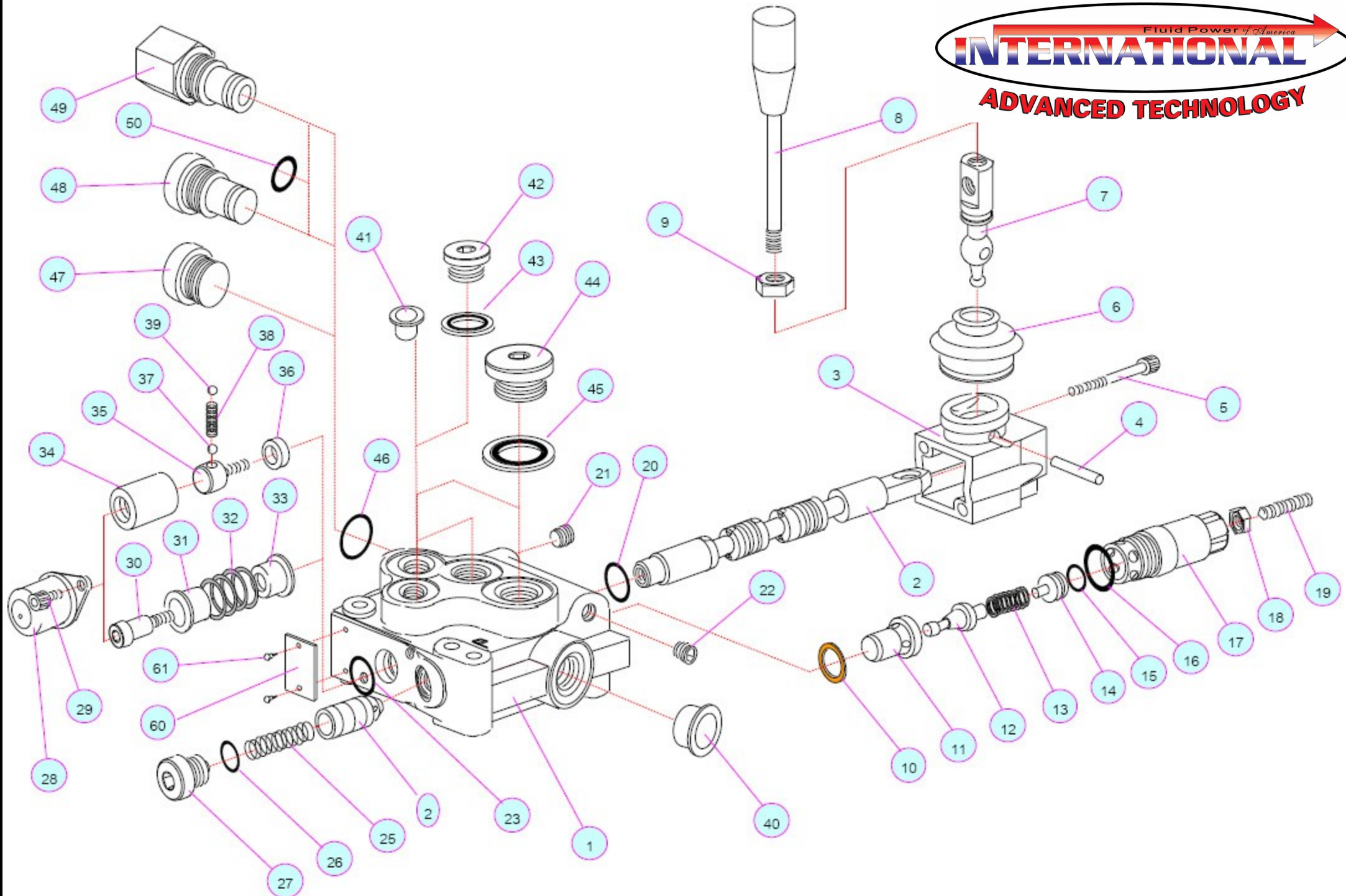
Weight 15.18 lbs (6.9 kgs)

Power Beyond Conversion:
Insert 1/4 plug / Use Side tank port as power beyond port
Closer center Conversion:
Insert 1/4 plug / Plug Side tank port



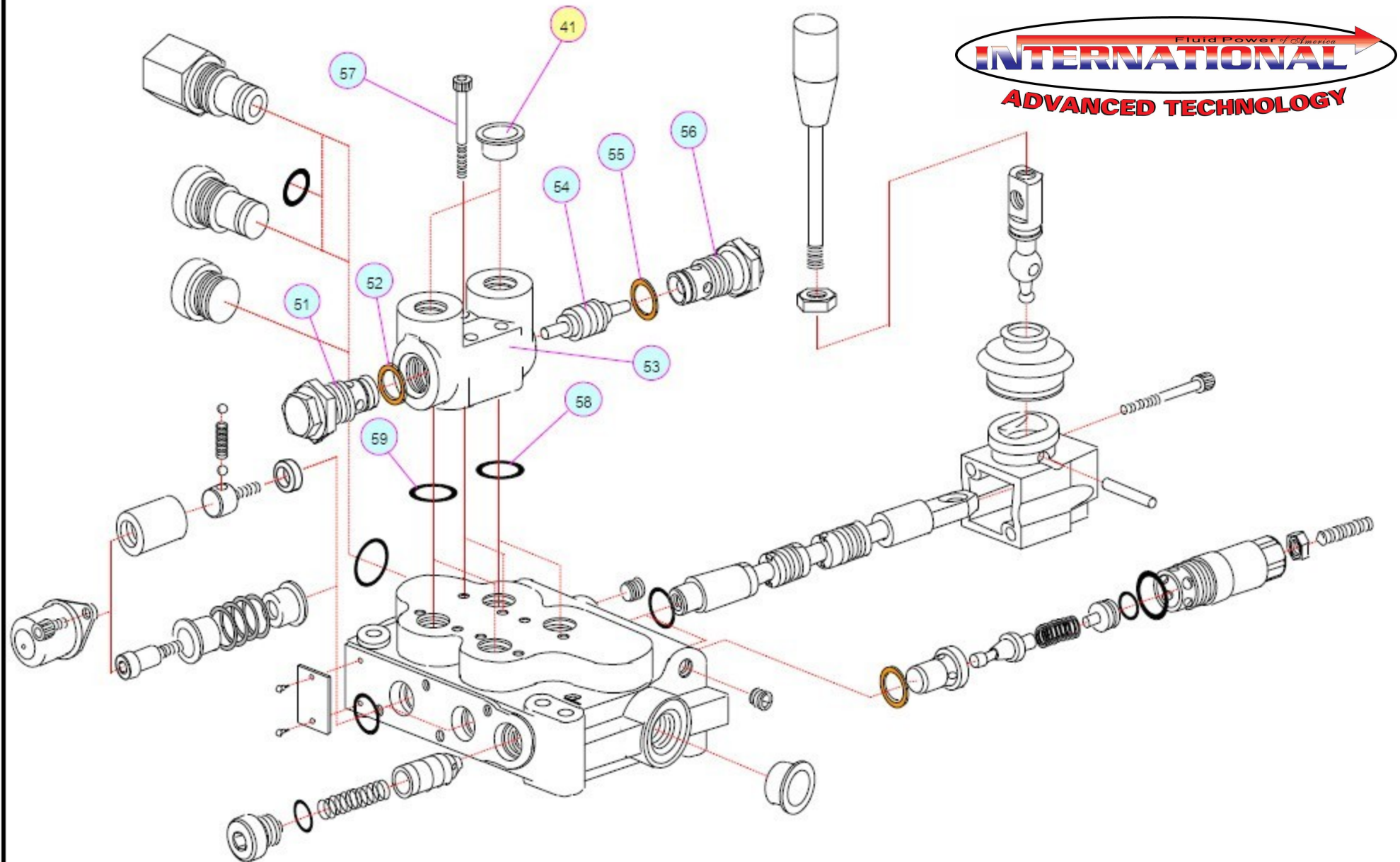
PARTS DRAWING: IFP MD20-1 / 1-SECTION MONOBLOCK VALVE

Date: OCTOBER 14-2008

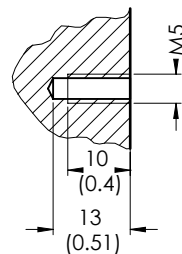
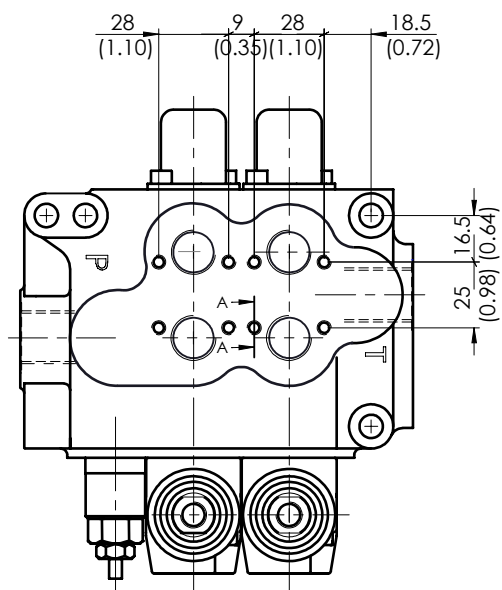
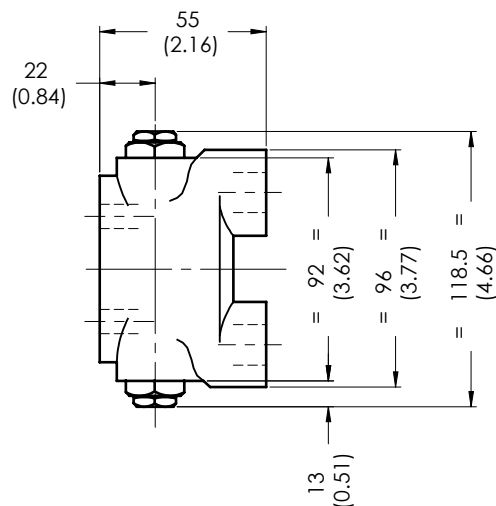
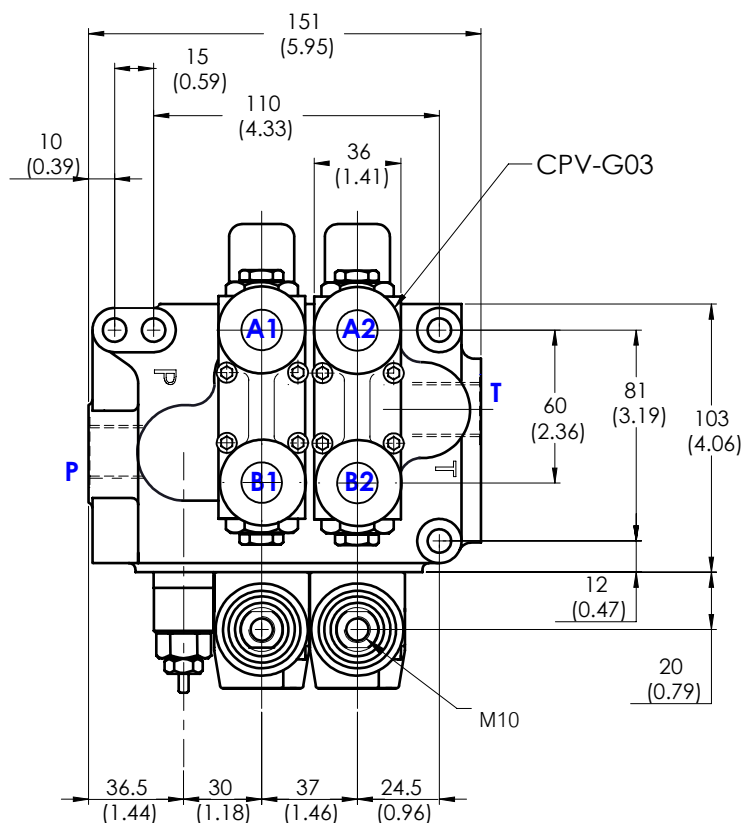


PARTS DRAWING: IFP MD20-2 / 2-SECTION MONOBLOCK VALVE

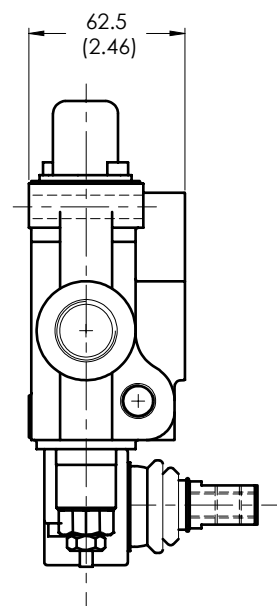
Date: OCTOBER 14 - 2008



IFP MD20 MONOBLOCK VALVE OPTIONAL P.O. CHECK VALVE ASS.



SECTION A-A



Dimensions - Millimeters (inches)