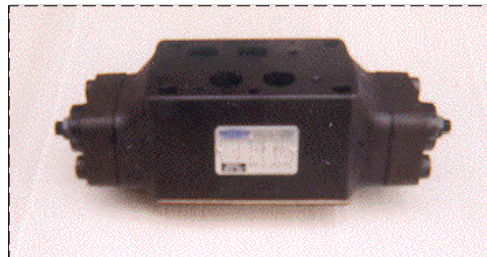


IFP MPD07

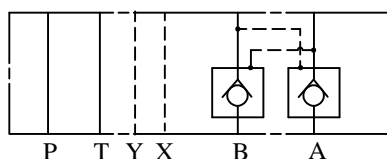
PILOT CHECK MODULE



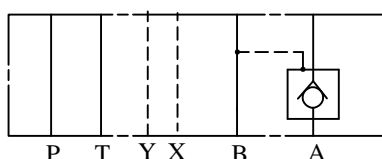
- ISO4401-07 SIZE/NFPA D07
- STEEL SEAT FOR LONG WEAR
- ZERO LEAKAGE
- DECOMPRESSION FEATURE



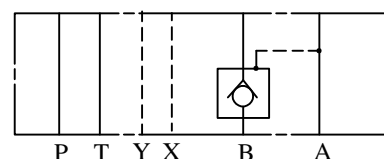
MPD-07-W



MPD-07-A



MPD-07-B



ORDERING CODE

MPD - 07 - W - 1

MODULAR CHECK
VALVE

SIZE D07

CONTROL PORT
W ~ A, B PORT
A ~ A PORT
B ~ B PORT

CRACKING PRESSURE 1:2

SPECIFICATIONS

TYPES	SIZE	MAX. PRESSURE (PSI)	RATED FLOW (GPM)	CRACKING PRESSURE (PSI)	AREA RATIO			WEIGHT lbs
					PILOT PISTON	VALVE	NEEDLE VALVE	
MPD-07-W -1-*	D07	4570 PSI	79.3	29	1	0.5	0.07	14.96
A								
B								
MPD-07-W -2-*				71				
A								
B								

IFP offers a pilot operated Check Valve module designed for use in applications requiring positive lock on a pressurized load, but will release the load upon application of pressure to the opposite port. Modules are available with dual or single service line versions. The use of modular design makes compact hydraulic systems in which the modules are "sandwiched" between a directional valve and standard mounting surface.

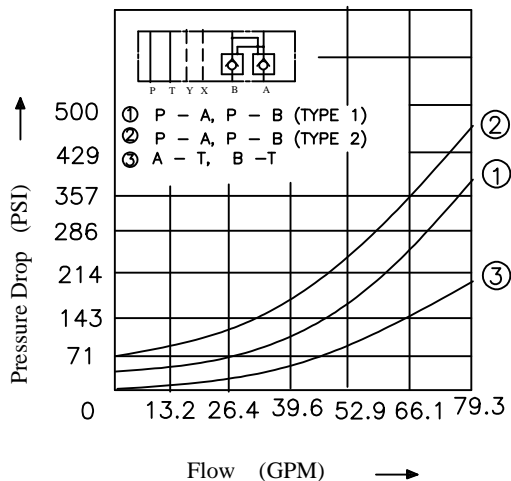
IFP MPD07 PILOT CHECK MODULE



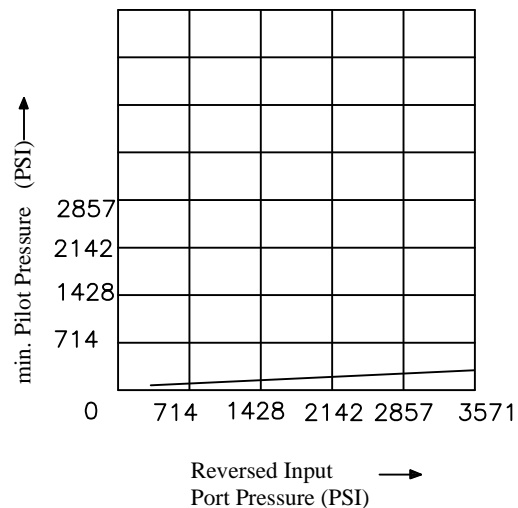
PERFORMANCE CURVES Viscosity (100-150 SUS)

MPD-07-W-*

Pressure Drop characteristic

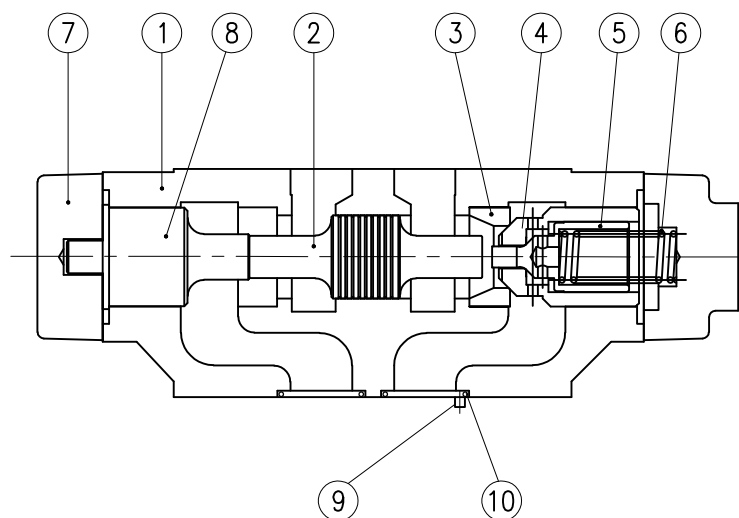


min. Pilot Pressure characteristic



CROSS SECTION DIAGRAM

MPD-07-A-1



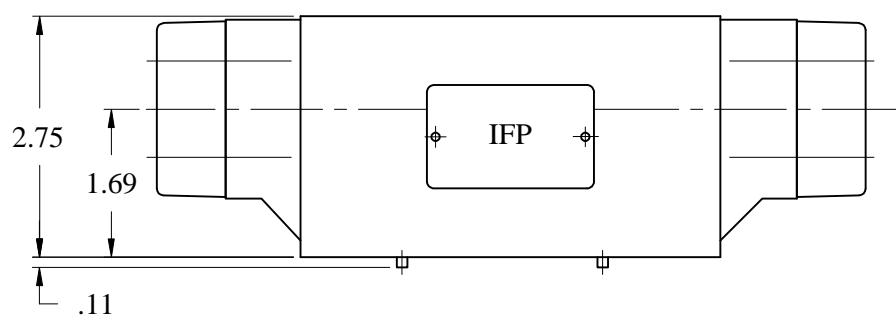
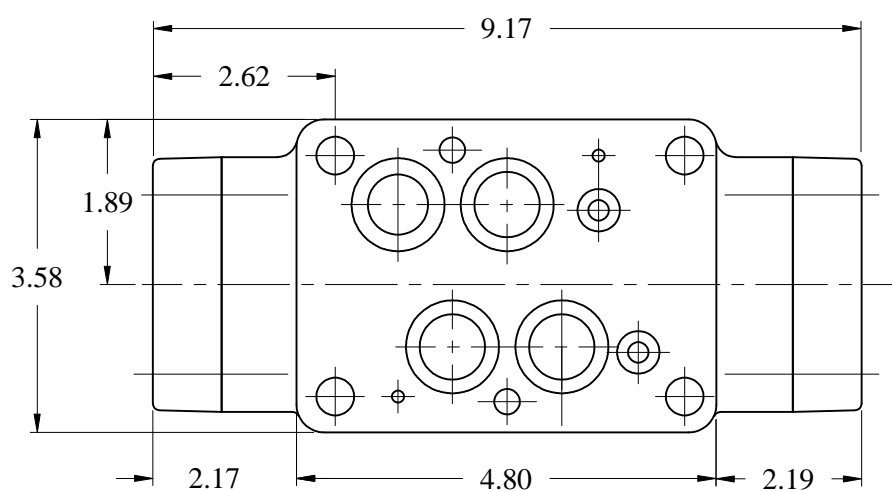
NO.	DESCRIPTION
1	Body
2	spool
3	Seat
4	Poppet
5	Poppet
6	Spring
7	Cover
8	Bushing
9	Pin
10	O-Ring :
	Ports A, B, P, T: AS568-118
	Ports X,Y: AS568-012

IFP MPD07 PILOT CHECK MODULE



DIMENSIONS

MPD-07-*-*

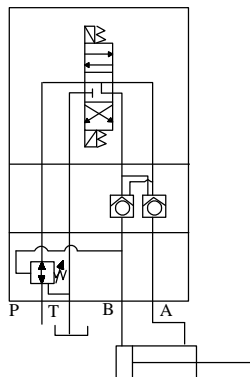


IFP MODULES APPLICATION GUIDELINES

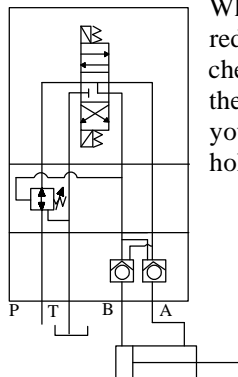


SOLENOID VALVE
(D.G. Series)
Pressure Reducing
(MGV Series)
Pilot Check Valve
(MPC Series)

X WRONG



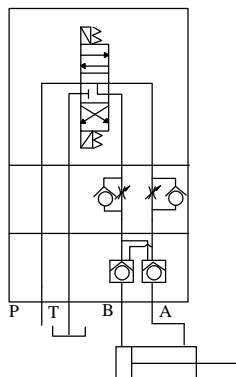
CORRECT



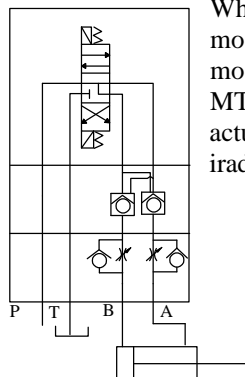
When using the MGV pressure reducing module with the MPC pilot check module in the same assembly, the MPC module should be closest to your actuator to obtain a leak free holding assembly

SOLENOID VALVE
(D.G. Series)
Pilot Check Valve
(MPC Series)
Flow Control
(MTC Series)

X WRONG



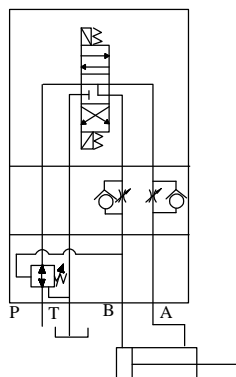
CORRECT



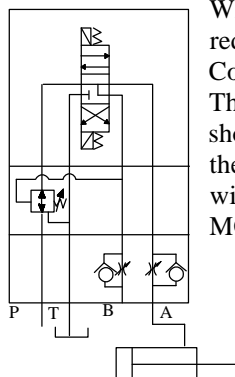
When using the MTC flow control module with the MPC pilot check module in the same assembly, the MTC module should be closest to the actuator, or the actuator will move iradically.

SOLENOID VALVE
(D.G. Series)
Pressure Reduing
(MGV Series)
Flow Control
(MTC Series)

X WRONG



CORRECT



When using the MGV pressure reducing module with the MTC Flow Control Module. The MTC Flow Control Module should be closest to your actuator or the back pressure created by the MTC will affect the pressure setting of the MGV pressure reducing.

IFP BOLT KITS

DIRECTIONAL CONTROL VALVES



SIZE D03

BOLTS GRADE-12.9(ISO 898)

	METRIC M5-8	INCH 10-24 UNC	LENGTH (inches)
DG03 VALVE	BKDG03M	BKDG03S	1 3/4
DG03 + 1 MODULE	BKDG03M-1	BKDG03S-1	3 3/8
DG03 + 2 MODULES	BKDG03M-2	BKDG03S-2	5
DG03 + 3 MODULES	BKDG03M-3	BKDG03S-3	6.5
DG03 + 4 MODULES	BKDG03M-4	BKDG03S-4	8 1/8

NOTE: Bolts should be torqued to 63-80 lb/in

SIZE D05

BOLTS GRADE-7

	METRIC M6	INCH 1/4-20 UNC	LENGTH (inches)
DG05 VALVE	BKDG05M	BKDG05S	1 3/8
DG05 + 1 MODULE	BKDG05M-1	BKDG05S-1	3 5/8
DG05 + 2 MODULES	BKDG05M-2	BKDG05S-2	5 3/4
DG05 + 3 MODULES	BKDG05M-3	BKDG05S-3	7 1/2
DG05 + 4 MODULES	BKDG05M-4	BKDG05S-4	10 1/8

NOTE: Bolts should be torqued to 100-130 lb/in