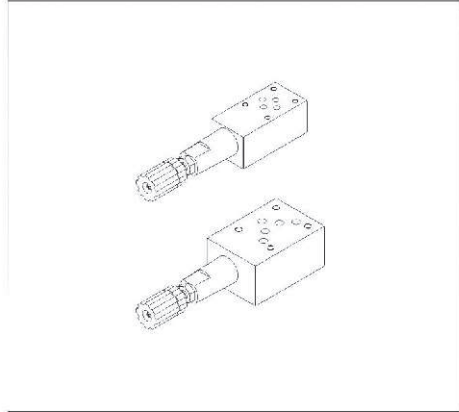


RELIEF MODULAR VALVES

■ Relief Valves(Modular Type)



Model & Symbol	Model & Symbol
MBP-01 (03) 	MBP-04 (06) 
MBA-01 (03) 	MBA-04 (06) 
MBB-01 (03) 	MBB-04 (06) 
MBW-01 (03) 	

■ Ratings

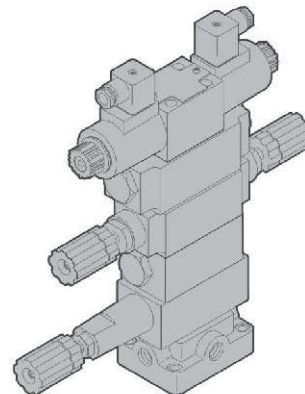
Model	Max Operating Pres bar (PSI)	Max Flow lpm (USgpm)	Valve Size	Weight kg (lb)
MB*-01-	250 (3600)	50 (13.2)	1/8"	1.1 (2.4)
MB*-03-	250 (3600)	100 (26.5)	3/8"	3.8 (8.3)
MB*-04-	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MB*-06-	250 (3600)	300 (79.3)	3/4"	11.2 (24.6)

- This balanced piston type relief modular valve is an improved over the conventional type relief valve.
The valve is designed to control the maximum pressure of the hydraulic circuit and also serves as a safety valve.
- It can provide normal performance in a wide range of operating pressure from 8 up to 250 bar.
- Back Pressure in tank port should be as low as possible (under 5 bar).
- In case the valves are used as safety valves, pressure setting should be higher than max. circuit pressure by 10 ~ 15 bar.
- The pressure will be increased when the pressure adjustment handle is turned clockwise, and will be reduced when the pressure adjustment handle is turned counter-clockwise.
- Be sure to re-tighten the lock nut firmly after making adjustment to the pressure.

■ Ordering Code

MB - P - 01 - C - 20 - S

Series No	Control Line	Valve Size	Pressure Adj. Range	Design No	Option Kits
Relief Modular Valves	P : P Port 	(DSG-) 01 (NFPA-D03) 	C: 8~ 140 bar 	20 DIN 912 bolts 	None: With Knob 
	A : A Port 	(DSG-) 03 (NFPA-D05) 	H: 70~ 210 bar 	2090 UNC bolts (North America) 	S: Soc. Hd. Cap Screw 
	B : B Port 	(DSHG-) 04 (NFPA-D07) 			
	W : A & B Port 	(DSHG-) 06 (NFPA-D08) 			



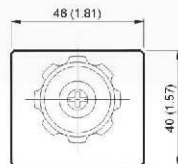
DIMENSIONS

MILLIMETERS(INCHES)

MB*-01

Relief Valves(Modular Type)

MOUNTING SURFACE:MB*-01-CETOP3
ISO 03-NFPAD03

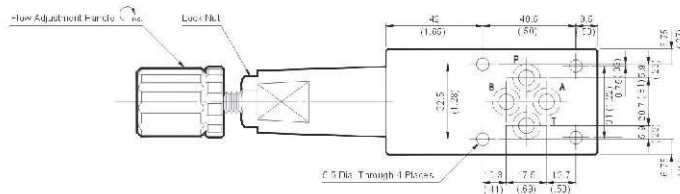


Valve Specifications & Attachment

Flow Rating	50 lpm (13.2 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	1.1 (2.4)
CODE:20	M5 X85LgX4pcs
CODE:2090	10-24UNCX3-4/4"LgX4pcs
Mounting Surface O-Ring P9 x 2 pc	



SYMBOL



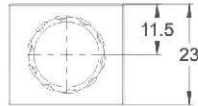
DIMENSIONS

MILLIMETERS(INCHES)

MBW-01 Relief Valves(Modular Type)

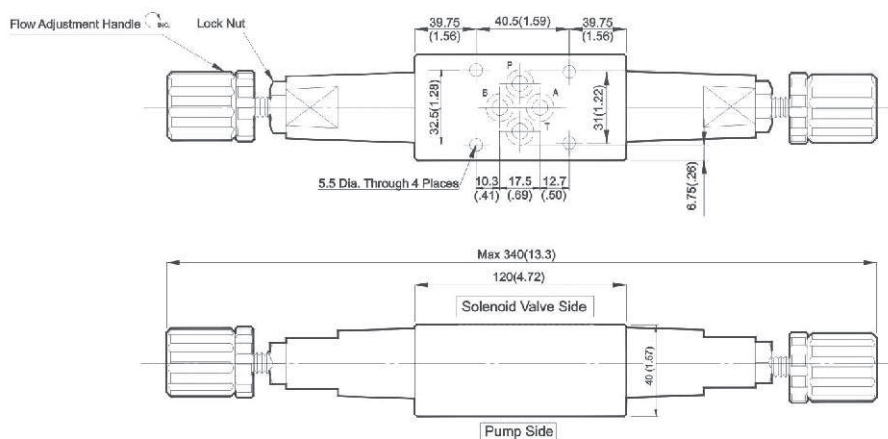
MOUNTING SURFACE:MB*-01-CETOP3
ISO 03-NFPAD03

OPTION
Design No: 30 (3090)



Valve Specifications & Attachment

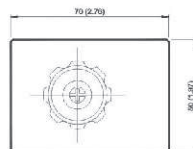
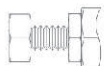
Flow Rating	50 lpm (13.2 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	1.1 (2.4)
CODE:20	M5 X95LgX4pcs
CODE:2090	10-24UNCX4*LgX4pcs
Mounting Surface O-Ring P9 x 2 pc	



MBW-03 Relief Valves(Modular Type)

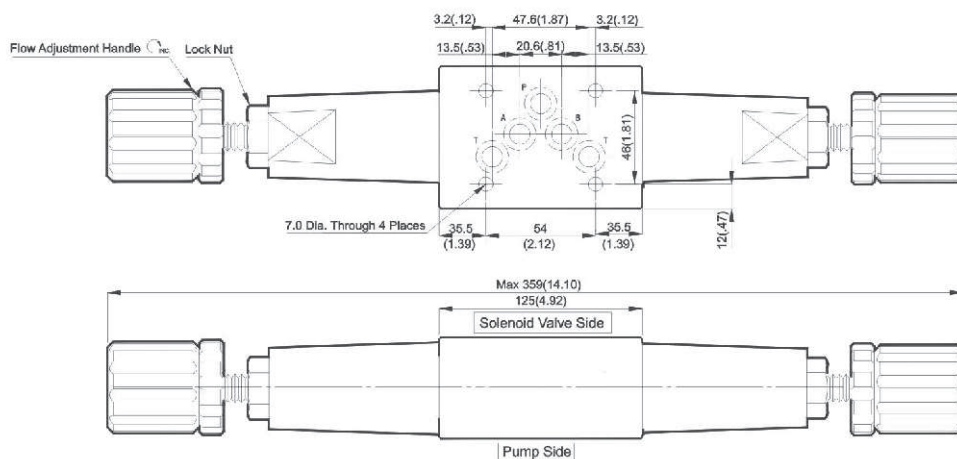
MOUNTING SURFACE:MB*-03-CETOP5
ISO 05-NFPAD05

OPTION
Design No: 30 (3090)



Valve Specifications & Attachment

Flow Rating	100 lpm (26.5 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	3.5 (7.7)
CODE:20	M6 X90LgX4pcs
CODE:2090	1/4-20UNCX3-1/2LgX4pcs
Mounting Surface O-Ring P12 x 5 pc	



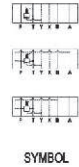
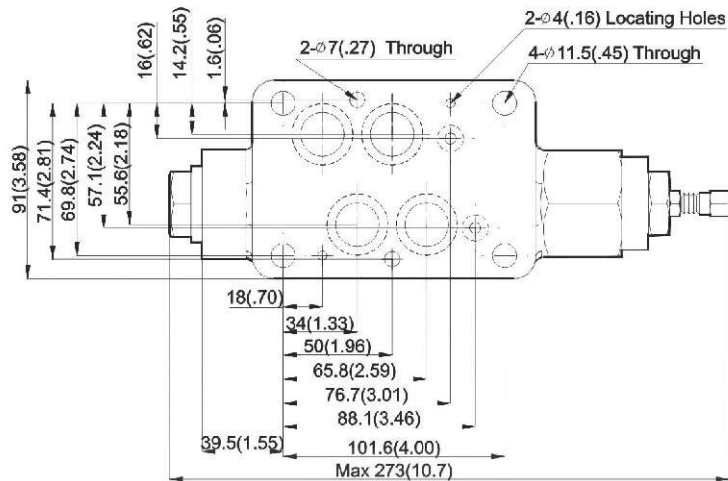
DIMENSIONS

MILLIMETERS(INCHES)

MB*-04

Relief Valves(Modular Type)

**MOUNTING SURFACE:MB*-04-CETOP7
ISO 07-NFPAD07**



**MBA-04
MBB-04
MBP-04**

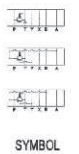
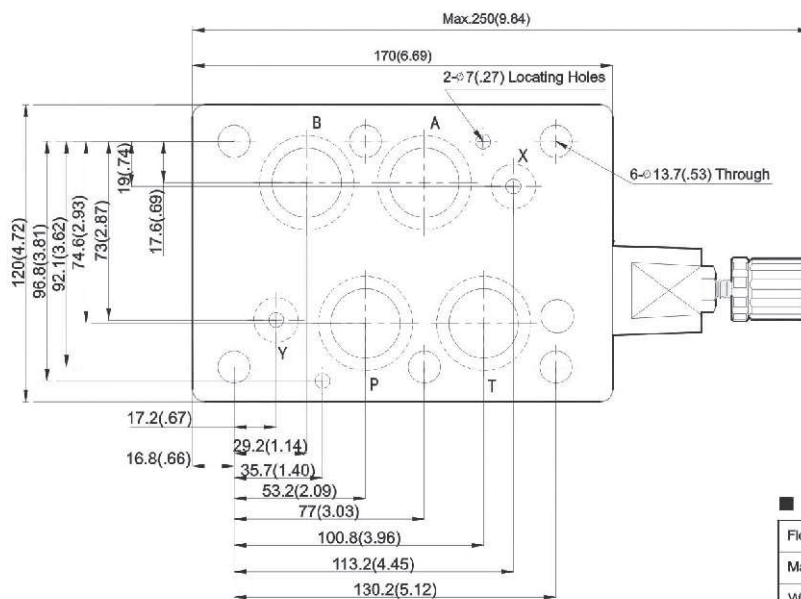
Valve Specifications & Attachment

Flow Rating	190 lpm (50.2 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	7.0 (15.4)
CODE:20	M8X125LgX2pcs M10X120LgX4pcs
CODE:2090	1/4-20UNCX4-7/8"LgX2pcs 3/8-16UNCX4-5/8"Lg X4pcs
Mounting Surface O-Ring P9 x 2 pc & P22A x 4 pcs	

MB*-06

Relief Valves(Modular Type)

**MOUNTING SURFACE:MB*-06-CETOP8
ISO 08-NFPAD08**



**MBA-06
MBB-06
MBP-06**

Valve Specifications & Attachment

Flow Rating	300 lpm (79.3 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	11.2 (24.6)
CODE:20	M12X140LgX6pcs
CODE:2090	1/2-13UNCX4-5/8"Lg X6pcs
Mounting Surface O-Ring P12 x 2 pc, P28 x 4 pcs	