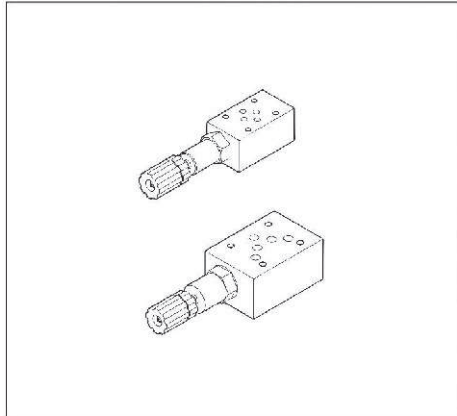
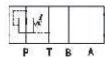
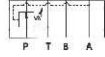
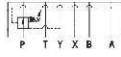


REDUCING MODULAR VALVES

■ Reducing Valves(Modular Type)



Model & Symbol	Model & Symbol
MRP-01 (03) 	MRP-04 (06) 
MRA-01 (03) 	MRA-04 (06) 
MRB-01 (03) 	MRB-04 (06) 

■ Ratings

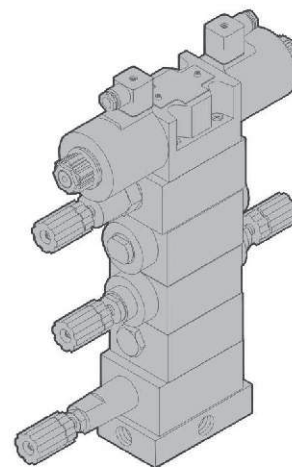
Model	Max Operating Pres bar (PSI)	Max Flow lpm (USgpm)	Valve Size	Weight kg (lb)
MR*-01-*	250 (3600)	50 (13.2)	1/8"	1.1 (2.4)
MR*-03-*	250 (3600)	100 (26.5)	3/8"	3.8 (8.3)
MR*-04-*	250 (3600)	190 (50.2)	1/2"	7.0 (15.4)
MR*-06-*	250 (3600)	300 (79.3)	3/4"	11.2 (24.6)

- This valve is employed to keep the pressure of some circuit lower than the main circuit pressure.
- Drain port should be connected to tank.
- Pressure difference between primary pressure and secondary pressure should be maintained over than 10 bar for good pressure reduction.
- Pressure cannot be adjusted if a certain flow rate cannot be obtained.
- 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

MR - P - 03 - C - 20 - S

Series No	Control Line	Valve Size	Pressure Adj. Range	Design No	Option Kits
Reducing Modular Valves	P : P Port 	(DSG-) 01 (NFPA-D03) 	B: 3~ 70 bar 	20 DIN 912 bolts 	None: With Knob 
	A : A Port 	(DSG-) 03 (NFPA-D05) 	C: 35~ 140 bar 	2090 UNC bolts (North America) 	S: Soc. Hd. Cap Screw 
	B : B Port 	(DSHG-) 04 (NFPA-D07) 	H: 70~ 210 bar 		
		(DSHG-) 06 (NFPA-D08) 			



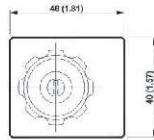
DIMENSIONS

MILLIMETERS(INCHES)

MR*-01

Reducing Valves(Modular Type)

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

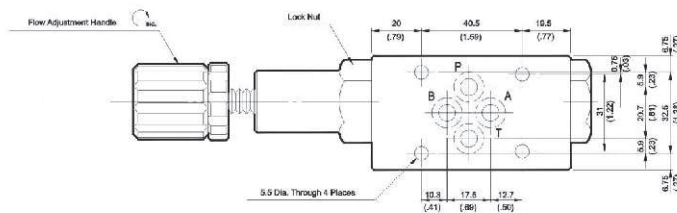


■ Valve Specifications & Attachment

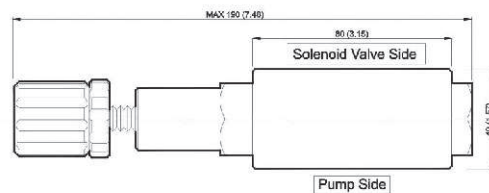
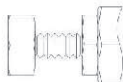
Flow Rating	50 lpm (13.2 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	1.1 (2.4)
CODE:20	M5 X85LgX4pcs
CODE:2090	10-24UNCX3-1/4"LgX4pcs
Mounting Surface O-Ring P9 x 4 pc	



SYMBOL



OPTION
Design No: 30 (3090)

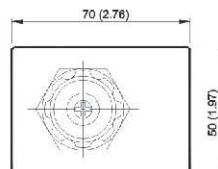
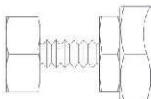


MR*-03

Reducing Valves(Modular Type)

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

OPTION
Design No: 30 (3090)

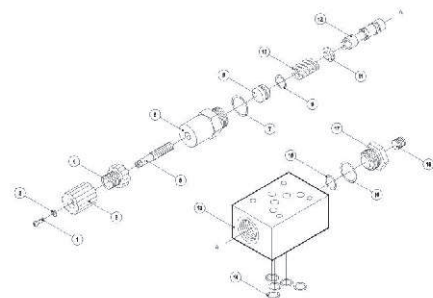
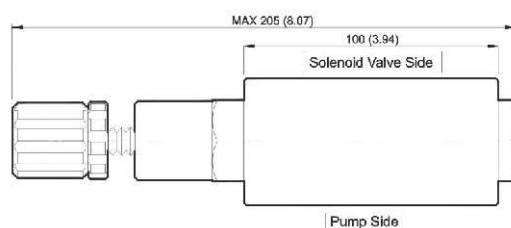
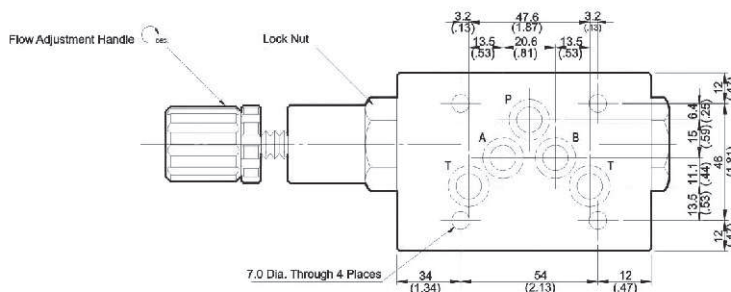


■ Valve Specifications & Attachment

Flow Rating	100 lpm (26.5 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	3.8 (8.4)
CODE:20	M6 X90LgX4pcs
CODE:2090	1/4-20UNCX3-1/2LgX4pcs
Mounting Surface O-Ring P12 x 5 pc	



SYMBOL



Pump Side

DIMENSIONS

MILLIMETERS(INCHES)

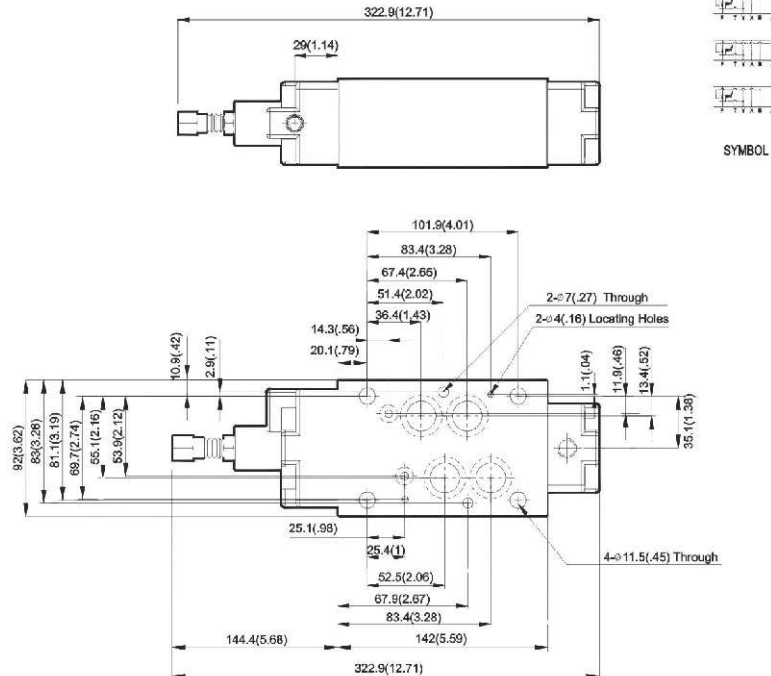
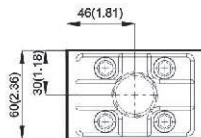
MR*-04

Reducing Valves(Modular Type)

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

Valve Specifications & Attachment

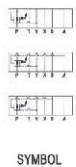
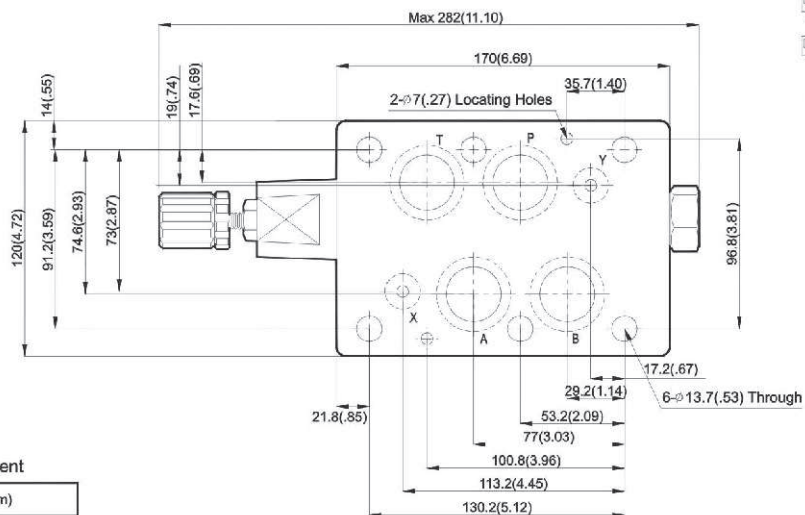
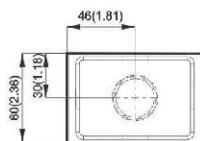
Flow Rating	190 lpm (50.2 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg.(lbs.)	7.0 (15.4)
CODE:20	M6X125LgX2pcs M10X120LgX4pcs
CODE:2090	1/4-20UNCX4-7/8"LgX2pcs 3/8-16UNCX4-5/8"Lg X4pcs
Mounting Surface O-Ring P9 x 2 pc & P22A x 4 pcs	



MR*-06

Reducing Valves(Modular Type)

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



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	

MRA-06
MRB-06
MRP-06