

# Bell Hydromatics

## Sequence/Counter Balance Modular Valves



## Features

- This sequence modular valves(MHP-0\*\_\* ) is used for actuator sequential operation,as well as for circuit pressure holding.  
With wide adjustment range 6 ~ 250 bar,hydraulic circuit and also serves as a safety valve.

# Ratings

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

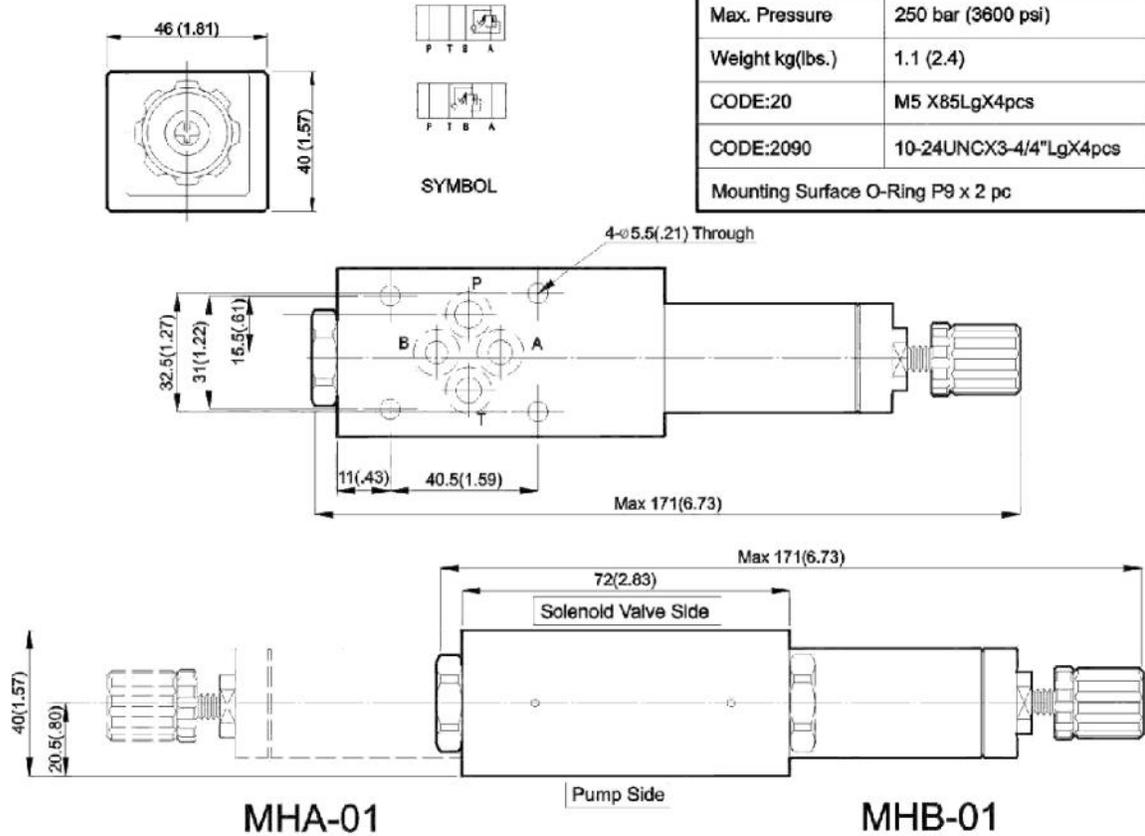
<b>Model &amp; Symbol</b>	<b>Model &amp; Symbol</b>
MHP-01(03)	MHP-04(06)
MHP-01(03)	MHP-04(06)
MHP-01(03)	MHP-04(06)

## MHB-01 Counterbalance Valves(Modular Type)

MOUNTING SURFACE:MH\*-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	

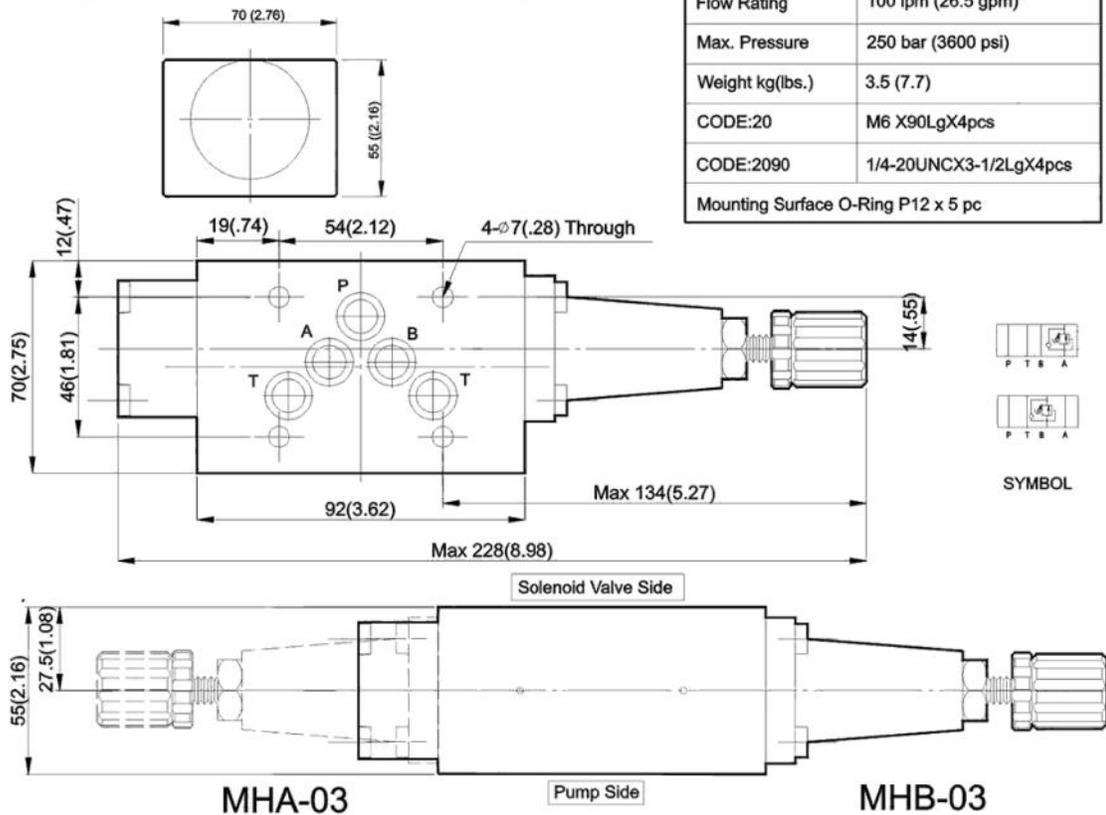


## MHB-03 Counterbalance Valves(Modular Type)

MOUNTING SURFACE:MH\*-03-CETOP5  
ISO 05-NFPAD05

### Valve Specifications & Attachment

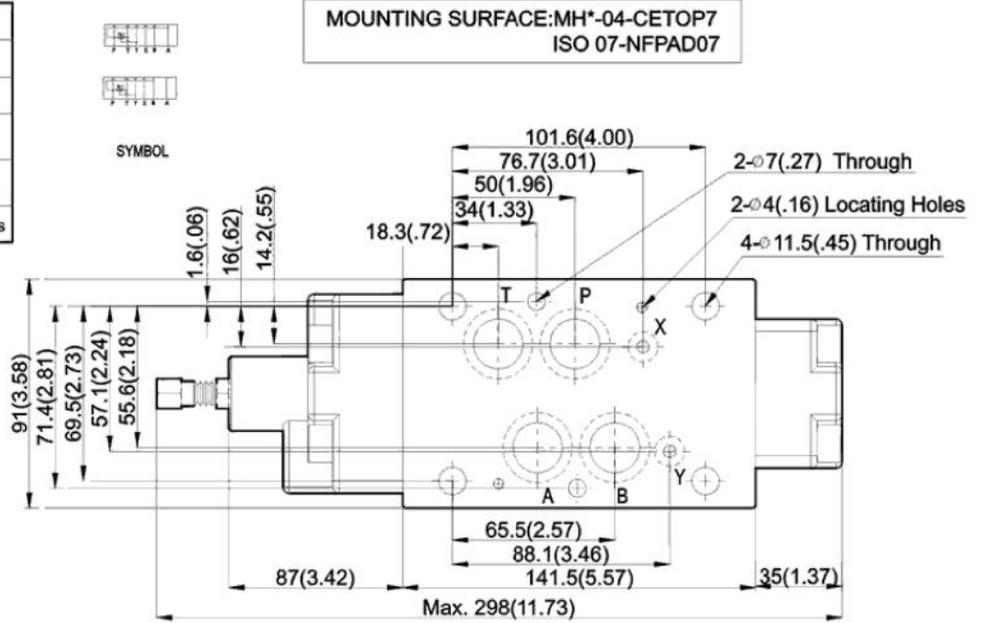
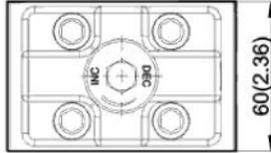
Flow Rating	100 lpm (26.5 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg(lbs.)	3.5 (7.7)
CODE:20	M6 X90LgX4pcs
CODE:2090	1/4-20UNCX3-1/2LgX4pcs
Mounting Surface O-Ring P12 x 5 pc	



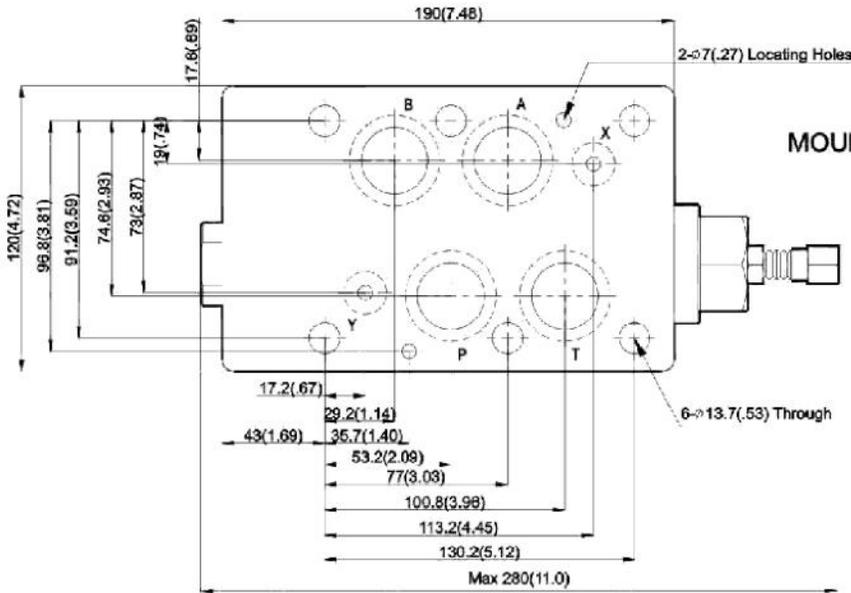
## MHB-04 Counterbalance Valves (Modular Type)

### Valve Specifications & Attachment

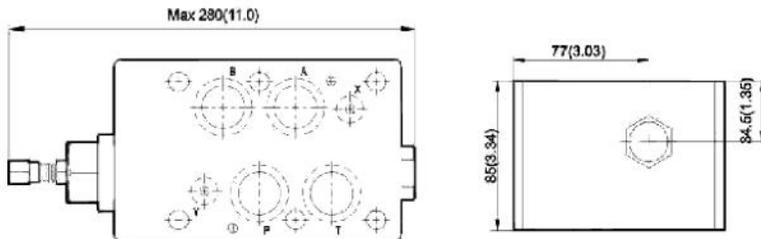
Flow Rating	190 lpm (50.2 gpm)
Max. Pressure	250 bar (3600 psi)
Weight kg.(lbs.)	7.0 (15.4)
CODE:20	M6X125LgX2pcs M10X120LgX4pcs
CODE:2090	1/4-20UNCX4-7/8"LgX2pcs 3/8-16UNCX4-5/8"Lg X4pcs
Mounting Surface O-Ring P9 x 2 pc & P22A x 4 pcs	



## MHB-06 Counterbalance Valves (Modular Type)



### MHB-06

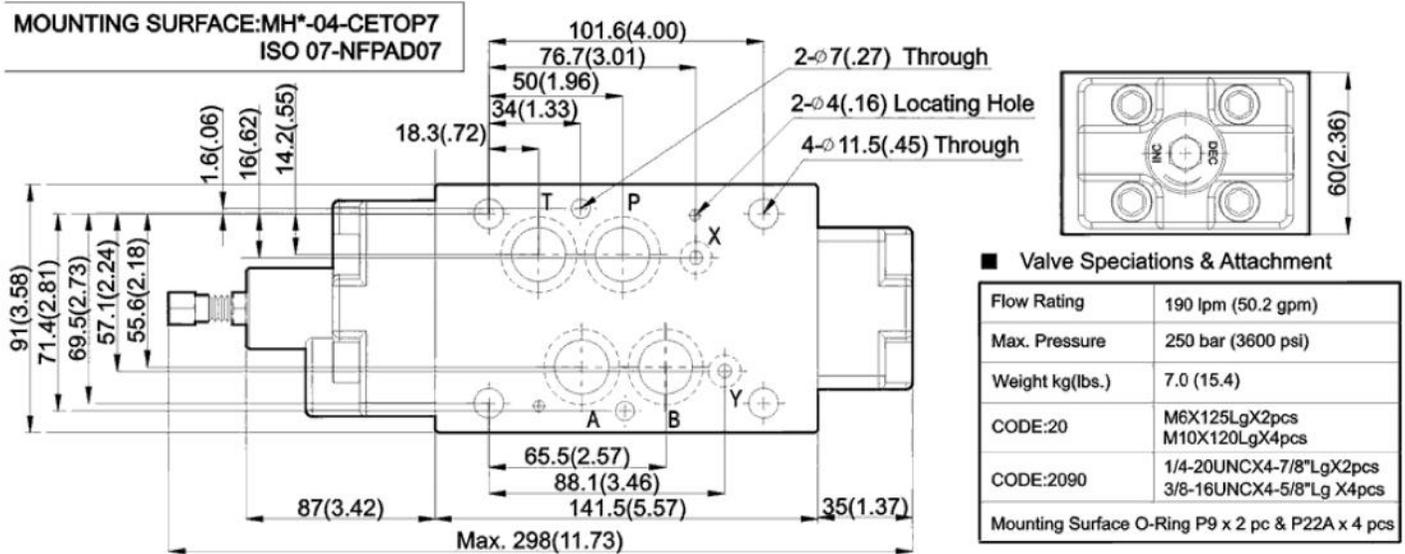


### MHA-06

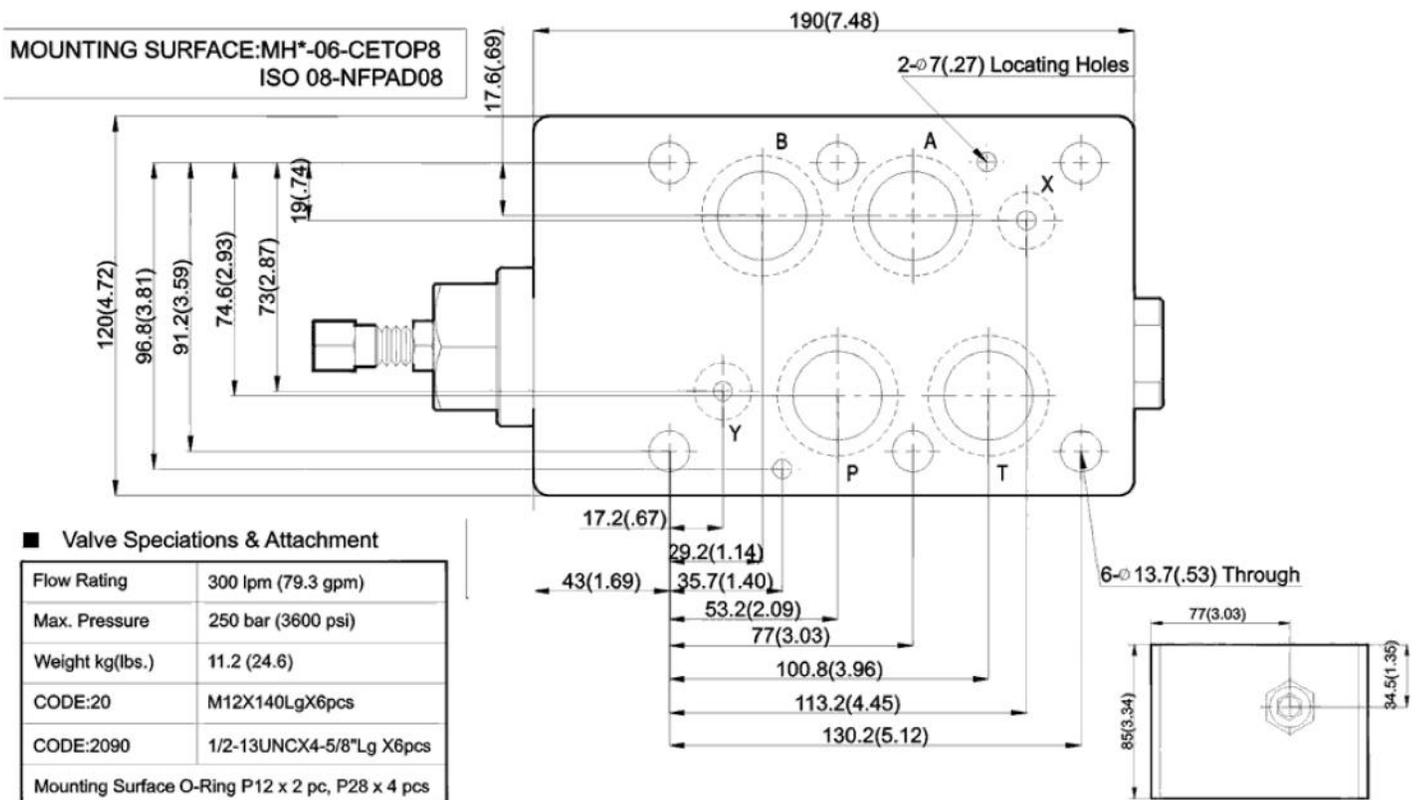
### Valve Specifications & Attachment

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	

## MHP-04 Sequence Valves(Modular Type)



## MHP-06 Sequence Valves(Modular Type)



# Ordering Code

MH	P	01	C	20	S
Series No	Control Line	Valve Size	Pressure Adj. Range	Design No	Special Kits
MHP Sequence Modular Valves	P: P Port	(DSG-) 01 (NFPA-D03)	N: 6~18 bar	20 DIN 912 bolts	None: With Knob
MHA(B) Counterbalance Modular Valves	A: A Port	(DSG-) 03 (NFPA-D05)	A: 18~35 bar	2090 UNC bolts (North America)	S: Soc. Hd. Cap. Screw
	B: B Port	(DSHG-) 04 (NFPA-D07)	B: 35~70bar		
		(DSHG-) 06 (NFPA-D08)	C: 70~250 bar		