

Technical Information

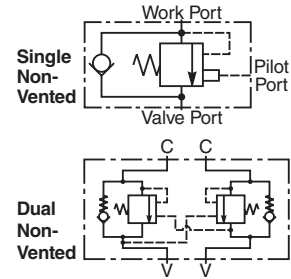
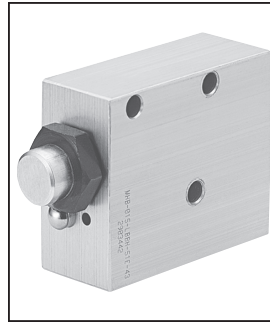
- CV Check Valves
- SH Shuttle Valves
- LM Load/Motor Controls
- FC Flow Controls
- PC Pressure Controls
- LE Logic Elements
- DC Directional Controls
- MV Manual Valves
- SV Solenoid Valves
- PV Proportional Valves
- CE Coils & Electronics
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General Description

Body Style Counterbalance Valve. For additional information see Technical Tips on pages LM1-LM4.

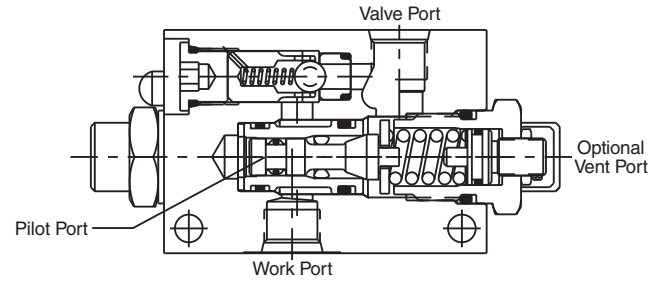
Features

- Conical Poppet design provides longer metering stroke for stable operation
- Hardened seat provides reliable load holding
- External vent option available for high back pressure applications
- Tamper resistant cap for added safety and security
- Various pilot ratios available for application flexibility



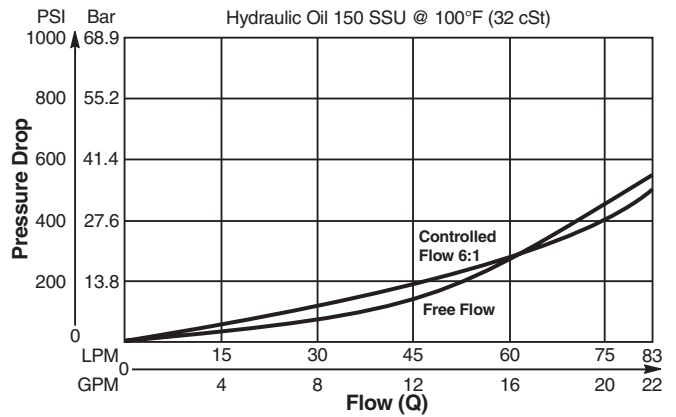
Specifications

Rated Flow	56 LPM (15 GPM)
Maximum Inlet Pressure	210 Bar (3000 PSI)
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.) @ 80% of thermal crack pressure
Valve Material	All parts steel. All operating parts hardened steel.
Body Material	Aluminum
Operating Temp. Range/Seals	-26°C to +204°C (Fluorocarbon) (-15°F to +400°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO-4406 18/16/13, SAE Class 4
Approx. Weight	Single 0.68 kg (1.5 lbs.) Double 1.36 kg (3.0 lbs.)

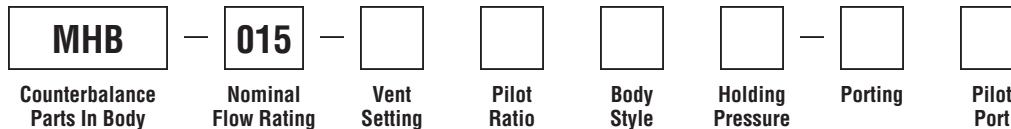


Performance Curve

Flow vs. Pressure Drop (Through cartridge only)



Ordering Information



Code	Nominal Flow Rating
015	46.3 LPM (15 GPM)

Code	Pilot Ratio
*A	1:1 Equal Area
B	3:1
E	6:1
J	10:1

Code / Body Style	
A / Single Inline	D / Double Inline
B / Single Gasket	E / Double Gasket

Code	Porting
51	SAE-6
52	SAE-8 (Gasket mount only)

Code	Vent Setting
L	Non-Vented
W	Vent

*Equal Area does not have a thermal relief

Code	Holding Pressure
*C	17.2 to 34.5 Bar (250 to 500 PSI) 1:1 Pilot Crack Pressure
E	34.5 to 103.4 Bar (500 to 1500 PSI)
H	105 to 210 Bar (1500 to 3000 PSI)

*Equal Area does not have a thermal relief

Code	Pilot Port
N	Internal Pilot (Dual valve only)
E	SAE-6 (Code 51 & 52 bodies only)

Seal Kits:

Single 711708
Double 711709



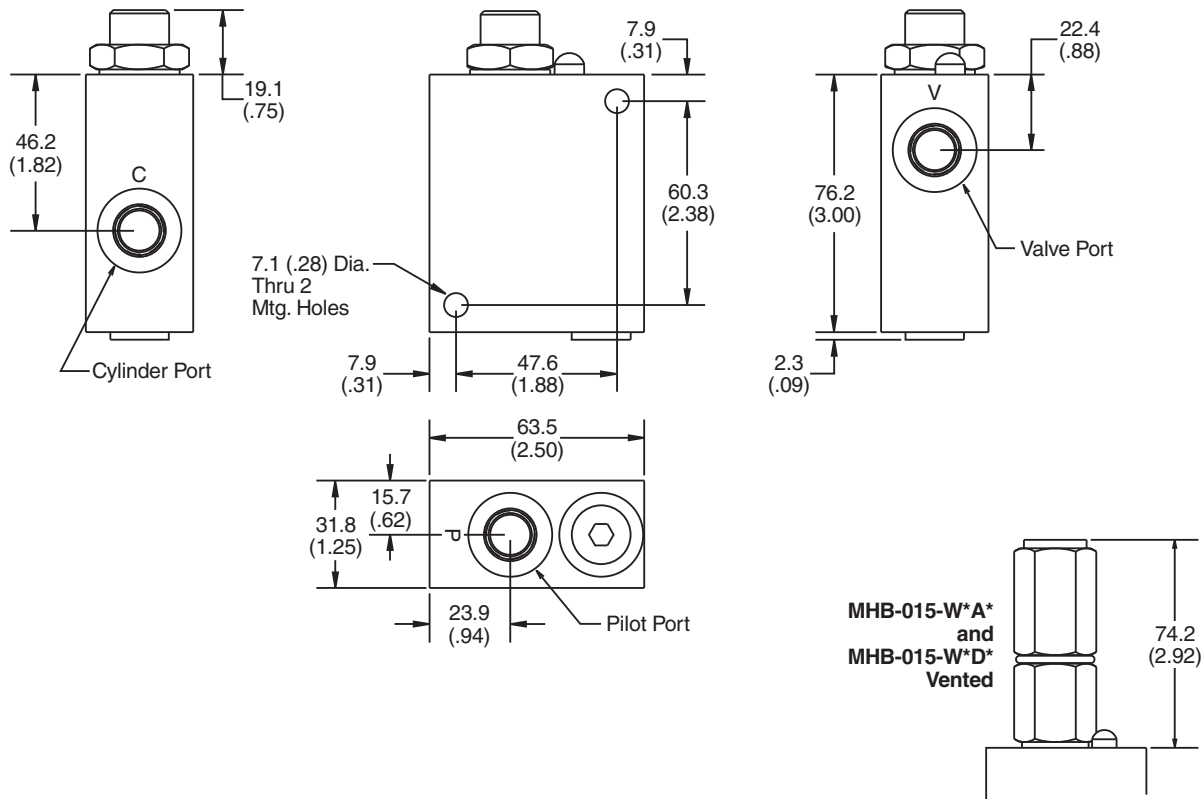
Dimensions

*Inch equivalents for millimeter dimensions are shown in (**)

Series MHB-015-L*A* Single Counterbalance, Non-Vented, In-line Mount

Series MHB-015-W*A* Single Counterbalance, Vented, In-line Mount

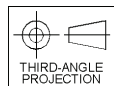
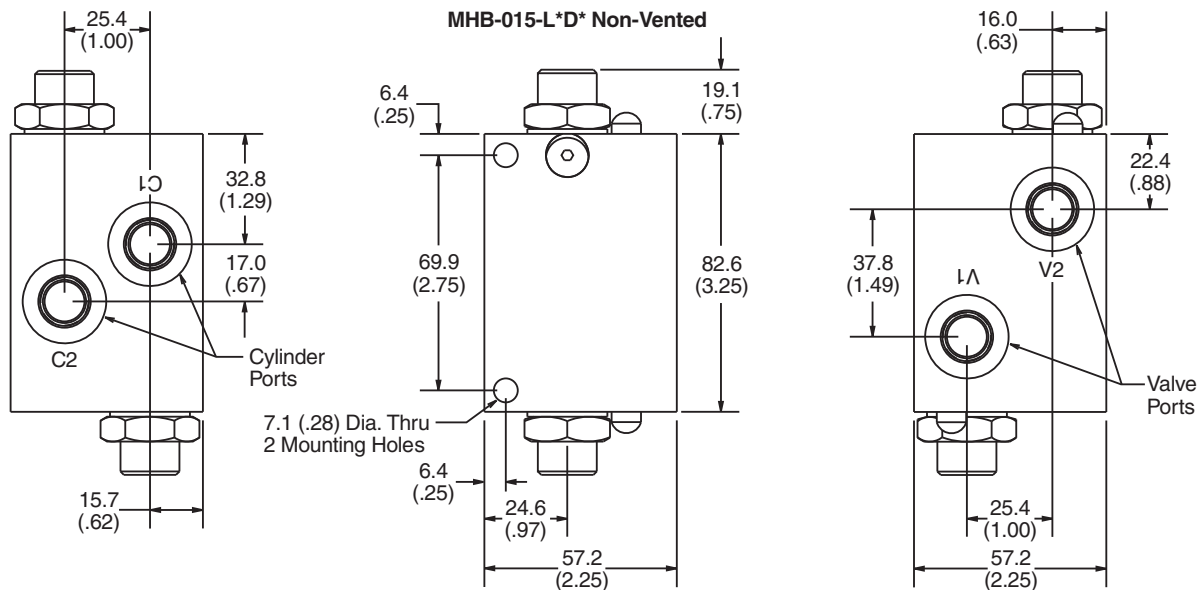
MHB-015-L*A* Non-Vented



Series MHB-015-L*D* Dual Counterbalance, Non-Vented, In-line Mount

Series MHB-015-W*D* Dual Counterbalance, Vented, In-line Mount

MHB-015-L*D* Non-Vented



CV
Check Valves
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Shuttle Valves
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Load/Motor Controls
FC
Flow Controls
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Pressure Controls
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Logic Elements
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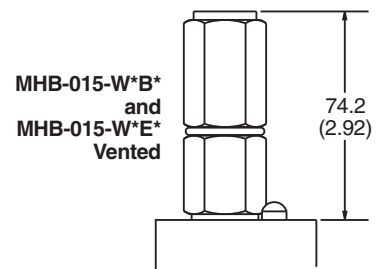
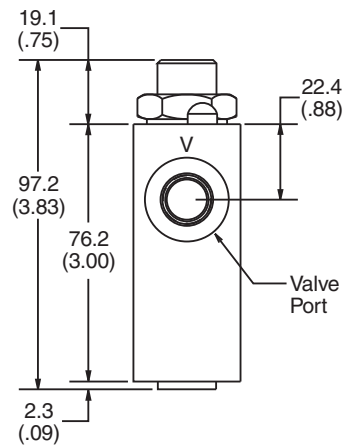
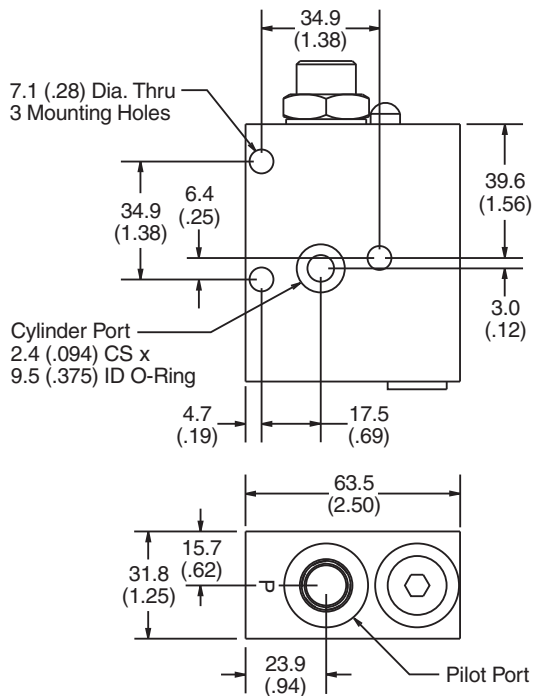
Dimensions

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Series MHB-015-L*B* Single Counterbalance, Non-Vented, Gasket Mount

Series MHB-015-W*B* Single Counterbalance, Vented, Gasket Mount

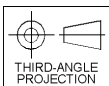
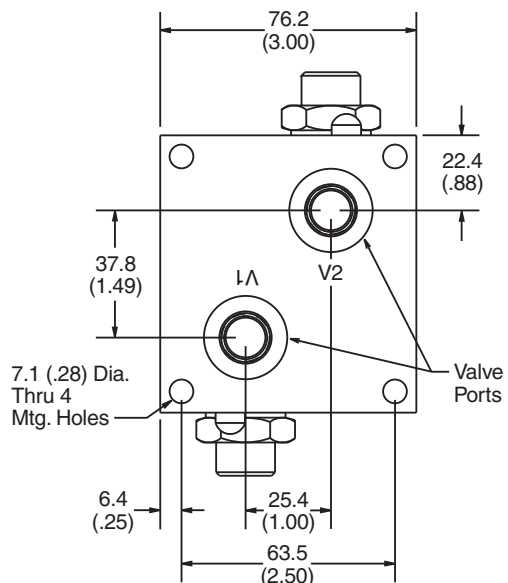
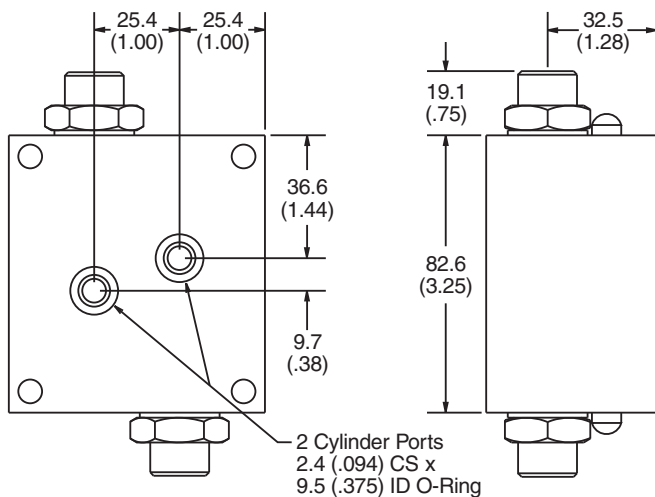
MHB-015-L*B* Non-Vented



Series MHB-015-L*E* Dual Counterbalance, Non-Vented, Gasket Mount

Series MHB-015-W*E* Dual Counterbalance, Vented, Gasket Mount

MHB-015-L*E* Non-Vented



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