

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
BC Bodies & Cavities
TD Technical Data

General Description

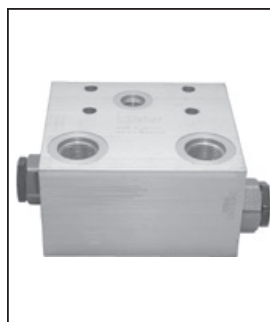
Manifold Mounted Motor Control Valve to fit the TB, TE, TF and TG series Parker motors. For additional information see Technical Tips on pages LM1-LM4.

Features

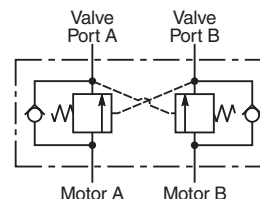
- Hardened and precision ground parts for long life
- Compact size for reduced space requirements
- Low leakage design
- Fluorocarbon seals standard

Specifications

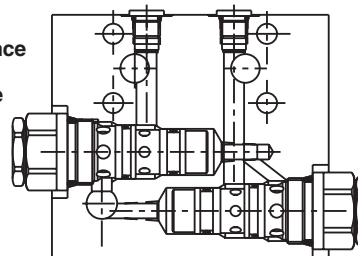
Maximum Flow	56.25 LPM (15 GPM)
Maximum Operating Press.	210 Bar (3000 PSI)
Minimum Pilot Pressure	20.7 Bar (300 PSI)
Leakage at 150 SSU (32 cSt)	5 drops/min. (.33 cc/min.) @ 80% of holding pressure
Valve Material	All parts steel. All operating parts hardened steel.
Body Material	Aluminum
Operating Temp. Range/Seals	-31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
Fluid Compatibility/Viscosity	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
Filtration	ISO Code 16/13, SAE Class 4 or better
Approx. Weight	Single 0.68 kg (1.5 lbs.) Double 1.36 kg (3.0 lbs.)
Cavity	CDD-1010 for MHC-010



Dual Motor Control without Vent Port

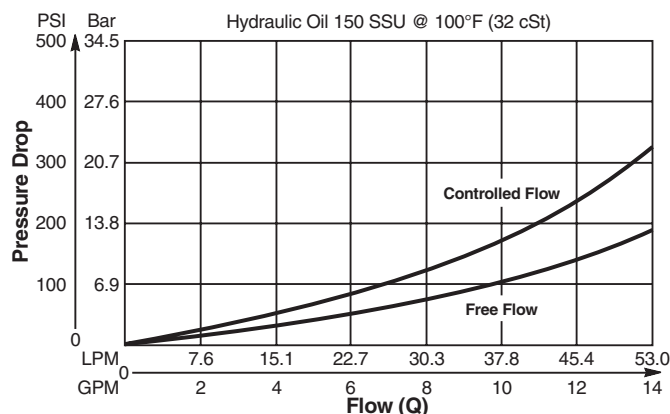


Dual Counterbalance without Brake Shuttle



Performance Curve

Flow vs. Inlet Pressure



Ordering Information

MMB	—	015	—		—					M		H	—	53		
Manifold Motor Control Valve		Nominal Flow Rating		Vent Setting		Cartridge Location		Pilot Ratio		Manifold Mounted Body		Pressure (Setting)		Body Porting		Brake Release Port

Code	Nominal Flow Rating
015	56.3 LPM (15 GPM)

Code	Cartridge Location
A	Motor Control on A Port
B	Motor Control on B Port
D	Dual Motor Control

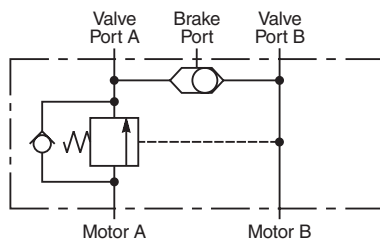
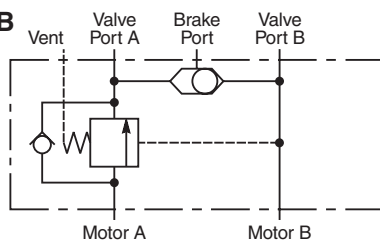
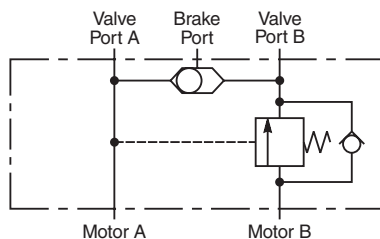
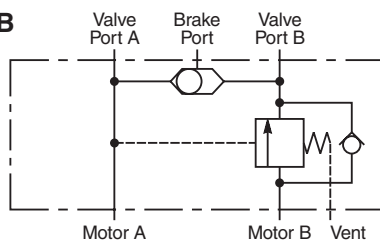
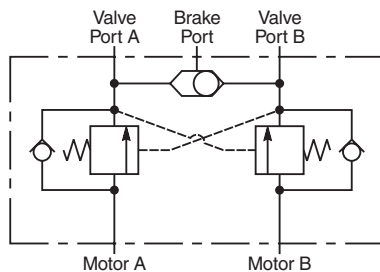
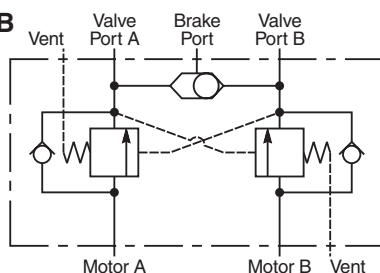
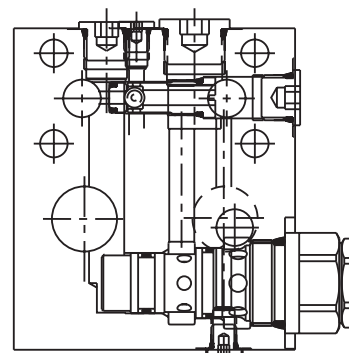
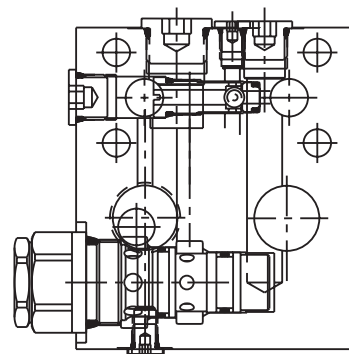
Code	Pilot Ratio
A	1:1 Equal Area
J	10:1

Code	Body Porting
53	SAE-10 V1 and V2 Ports

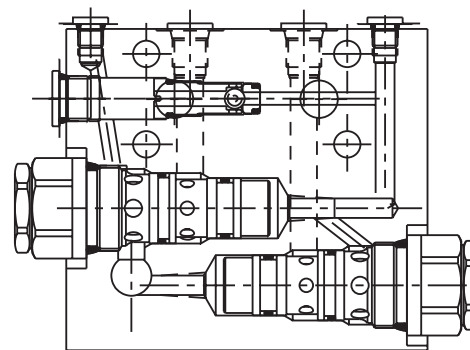
Code	Vent Setting
Omit	No Vent
V	Vent

Code	Pressure (Setting)
H	Hold Pressure 210 Bar (3000 PSI) Brake Release Pressure 24.1 Bar (350 PSI)

Code	Brake Release Port
N	No Port (Dual Motor Control Only)
B	SAE-6

MMB-015-A*MH-53BA Port Motor Control
with Brake Release Shuttle,
Non-Vented Cartridge**MMB-015-V-A*MH-53B**A Port Motor Control
with Brake Release Shuttle,
Vented Cartridge**MMB-015-B*MH-53B**B Port Motor Control
with Brake Release Shuttle,
Non-Vented Cartridge**MMB-015-V-B*MH-53B**B Port Motor Control
with Brake Release Shuttle,
Vented Cartridge**MMB-015-D*MH-53B**Dual Motor Control
with Brake Release Shuttle,
Non-Vented Cartridges**MMB-015-V-D*MH-53B**Dual Motor Control
with Brake Release Shuttle,
Vented Cartridges**MMB-015-A*MH-53B**
(Non-Vented)**MMB-015-V-A*MH-53B**
(Vented)
A Port Motor Control
Manifold Mount
with Brake Shuttle**MMB-015-B*MH-53B**
(Non-Vented)**MMB-015-V-B*MH-53B**
(Vented)
B Port Motor Control
Manifold Mount
with Brake Shuttle**MMB-015-D*MH-53B** (Non-Vented)**MMB-015-V-D*MH-53B** (Vented)

Dual Counterbalance with Brake Shuttle

**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**BC**Bodies &
Cavities**TD**Technical
Data

Dimensions

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

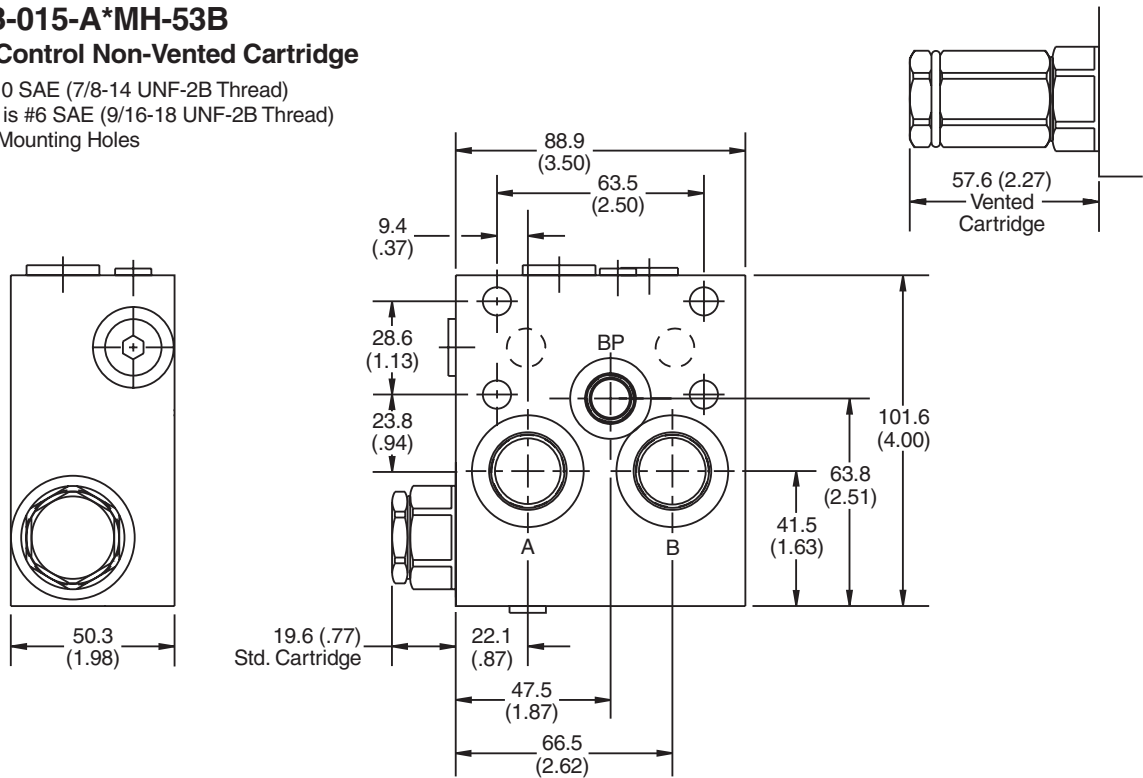
Series MMB-015-A*MH-53B

A Port Motor Control Non-Vented Cartridge

A & B Ports are #10 SAE (7/8-14 UNF-2B Thread)

Brake Shuttle Port is #6 SAE (9/16-18 UNF-2B Thread)

.343 Dia. Thru (4) Mounting Holes



Series MMB-015-D*MH-53B

Dual Motor Control Valve Non-Vented Cartridges

SAE-10 Porting with SAE-6 Brake Port

A & B Ports are #10 SAE (7/8-14 UNC-2B Thread)

Brake Shuttle Port is #6 SAE (9/16-18 UN-2B Thread)

.343 Dia. Thru (4) Mounting Holes

