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Construction

Wetted Components		
Body	303 SS	Brass
Operator Tube	304 Stainless Steel	
Plunger & Tube Head	430FR Stainless Steel	
Springs	302 Stainless Steel	
Shading Ring	Copper	
Seals	Nitrile, EPDM, FKM, PTFE	



Coil Enclosures

- G Coil - 1/2" NPT Conduit Hub with 24" Lead Wires (NEMA 4/4X, IP65)
- Y Coil – DIN Form A – 18mm (NEMA 4, IP65)
- See Engineering Guide for additional coil enclosures

Electrical

Series/ Mode	Wattage		Inrush (VA)		Holding (VA)	
			50 Hz	60 Hz	50 Hz	60 Hz
	DC	AC	Based on 120 VAC			
M401	10	10	46	46	21	20
MH401	10	10	46	46	21	20

- All Coils Rated for 100% Duty Cycle
- Voltage Tolerance: ±10% from nominal

Ambient Temperature (Nominal)

- 32°F to 140°F (0°C to 60°C)

Fluid Temperature by Seal Material

- Nitrile: -40°F to 180°F (-40°C to 82°C)
- EPDM: -70°F to 295°F (-57°C to 146°C)
- FKM: -20°F to 230°F (-29°C to 110°C)
- PTFE: -320°F to 366°F (-196°C to 186°C)

Approvals*

- UL Listed (MH17608)
- UL Recognized (MH17997)
- CSA Certified (069111_0_000)
- CE Certified

*Not available for all variations



2-Way • Normally Closed • 1/4" to 1/2" NPT

M40 & MH40 Series Manifold Valves

Zero-Differential Piloted Piston • Stainless Steel & Brass

Normally Closed Valve Specifications (Closed when de-energized)

Pipe Size (NPT)	Orifice Size (in)	Flow Factor (Cv)	Operating Pressure Differential (PSI)					Part Number ^② (Shown as 2-Station with 120 VAC Lead Wire Coil)	
			Min.	Maximum				Stainless Steel	Brass
				Air/Gas, Liquid & Oil ^①		Steam			
				AC	DC	AC	DC		
M40 Series Manifolds – Piloted Piston									
1/4	3/8	1.1	0	300	150	-	-	2M401GH02N1BF5	2M401GH02N9BF5
X	3/8	1.1	0	300	150	50	50	2M401GH02E1BF5	2M401GH02E9BF5
1/4	3/8	1.1	0	300	150	150	150	2M401GH02S1BF5	2M401GH02S9BF5
3/8	3/8	1.5	0	300	150	-	-	2M401GH02N1CF5	2M401GH02N9CF5
X	3/8	1.5	0	300	150	50	50	2M401GH02E1CF5	2M401GH02E9CF5
3/8	3/8	1.5	0	300	150	150	150	2M401GH02S1CF5	2M401GH02S9CF5
1/2	3/8	1.5	0	300	150	-	-	2M401GH02N1LF5	2M401GH02N9LF5
X	3/8	1.5	0	300	150	50	50	2M401GH02E1LF5	2M401GH02E9LF5
3/8	3/8	1.5	0	300	150	150	150	2M401GH02S1LF5	2M401GH02S9LF5
MH40 Series Manifolds – High Pressure Piloted Piston									
1/4 X 1/4	3/8	1.1	0	2200	2200	-	-	2MH401GH02Z1BF5	-
3/8 X 3/8	3/8	1.5	0	2200	2200	-	-	2MH401GH02Z1CF5	-
1/2 X 3/8	3/8	1.5	0	2200	2200	-	-	2MH401GH02Z1LF5	-

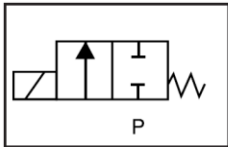
① M40 Series: Light Oil and #5 & #6 Heated Fuel Oils

① MH40 Series: Light Oil Only

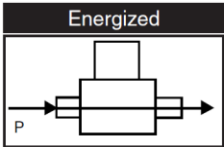
② See part number selection guide for additional voltages and variations

3. UL Recognized Only for Valves with MOPD >1200 PSI

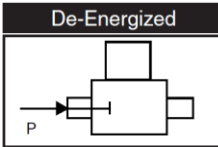
4. MRP = 5X MOPD or 6000 PSI Max.



Energized



De-Energized



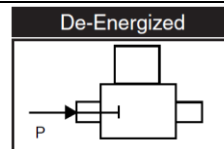
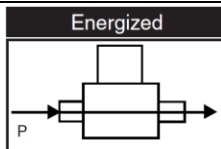
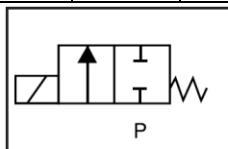
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2-Way • Normally Closed • 1/4" to 1/2" NPT

M40 & MH40 Series Manifold Valves

Zero-Differential Piloted Piston • Stainless Steel & Brass

M40 & MH40 Series Manifold Part Number Selection

Number of Stations	Valve Series	Operating Mode	Coil Housing	Coil Class	Voltage	Seal Material	Body Material/ Pipe Size	Orifice Size
①	②	③	④	⑤	⑥	⑦	⑧	⑨
2	M40	1	G	H	02	V	9A	F5

① Number of Stations

2	Two Stations
3	Three Stations
4	Four Stations
5	Five Stations
6	Six Stations

② Valve Series

M40	Piloted Piston
MH40	High Pressure Piloted Piston

③ Operating Mode

1	2-Way Normally Closed (NC)
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④ Coil Type

G	1/2" NPT Conduit with 24" Lead Wires
Y	DIN (Form A – 18mm)

⑤ Coil Class

H	H Class Coil
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⑥ Voltage

02	120 VAC, 60 Hz; 110 VAC, 50 Hz
03	208 VAC, 60 Hz
04	240 VAC, 60 Hz; 220 VAC, 50 Hz
24	24 VAC, 50/60 Hz
15	12 VDC
16	24 VDC

⑦ Seal Material

C	EPDM (M40 Valves Only)
E	EPDM (M40 Steam Valves Only)
N	Nitrile (M40 Valves Only)
V	FKM (M40 Valves Only)
S	PTFE (M40 Steam Valves Only)
T	PTFE
Z	FKM/PTFE

⑧ Body Material/Pipe Size (Inlet X Outlet)

9B	*Brass, 1/4" X 1/4" NPT
9C	*Brass, 3/8" X 3/8" NPT
9L	*Brass, 1/2" X 3/8" NPT
1B	303 Stainless Steel, 1/4" X 1/4" NPT
1C	303 Stainless Steel, 3/8" X 3/8" NPT
1L	303 Stainless Steel, 1/2" X 3/8" NPT

Orifice Size

F5	3/8"
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⑩ Optional Suffix

(blank)	No Option
C	CE Declaration
N	Cleaned for Oxygen Service
P	Nickel Plated Plunger & Tube
NP	Gaseous CO2

*M40 Valves Only

