

BLACKMER BYPASS VALVES



BV Series

Simple trouble free construction. This Blackmer compact valve has only three moving parts. Designed to open precisely at its pressure setting and prevent leakage below the setting.

RMI Part No.	Body Size	Pump Size	PSI Setting*	PSI Range*	Cap. (GPM)
BV-3/4	3/4" NPT	1 1/4" to 1 1/2"	95	70-100	50
BV-1	1" NPT	1 1/4" to 1 1/2"	95	70-100	50
BV-1 1/4	1 1/4" NPT	1 1/2" to 2"	115	90-125	125
BV-1 1/2	1 1/2" NPT	2" to 3"	115	90-125	125
BV-2	2" NPT	3" to 4"	95	90-125	225

*Other pressure ranges and settings are available.

MARSHALL EXCELSIOR BYPASS VALVES

Marshall Excelsior bypass valves for dispenser and autogas applications. Utilize a "check ball" mechanism that helps eliminate vapor from the liquid while keeping the pump flooded and properly primed.



ME840-6-150

RMI Part No.	Description
ME840-6-150	3/4" Bypass valve 50-150 PSI
ME840-6-225	3/4" Bypass valve 100-225 PSI
ME840-8-150	1" Bypass valve 50-150 PSI
ME840-8-225	1" Bypass valve 100-225 PSI



FISHER ANGLE BYPASS VALVE FOR LARGE PUMPS



N100 Series

Features help to give rapid, stable liquid transfer and reduce dangerous pressure pulsations, includes 1/4" tapping for gauge or relief valve.

RMI Part No.	Pump Size	Pressure Setting, (PSI)	Pressure Range, (PSI)
N100A-08-2	1"	115	50-150
N100A-10-2	1 1/4"	115	50-150
N100A-12-2	1 1/2"	115	50-150
N100-16-1	2"	50	25-75
N100-16-2	2"	115	50-150

MARSHALL EXCELSIOR HIGH FLOW BYPASS VALVE

Marshall Excelsior bypass valves are designed to protect plant and truck pumps from damage due to excessive pressure.

- Ductile Iron Body and Bonnet
- Stainless Steel wetted components
- Wide open flow channels for increased flow rates



ME840-16-125



N110 Series



FISHER STRAIGHT BYPASS VALVE

Fisher straight bypass valve for small pumps (5-40 GPM).

RMI Part No.	Pump Size	Pressure Setting (PSI)	Pressure Range (PSI)
N110-06-1	3/4"	50	25-75
N110-06-2	3/4"	115	75-150
N110-08-1	1"	50	25-75
N110-08-2	1"	115	75-150

RMI Part No.	Description	Cap. @ 150 psi
ME840-10-125	1 1/4" Bypass Valve 90-125 PSI	186-319
ME840-12-125	1 1/2" Bypass Valve 90-125 PSI	199-372
ME840-16-125	2" Bypass Valve 90-125 PSI	201-399
ME840-125	Bypass Body Only 90-125 PSI	

Inlet/Outlet flanges allow for various configurations to meet specific installation requirements. Use with the ME840-125 Bypass Body.

MARSHALL EXCELSIOR 3" HIGH FLOW BYPASS VALVE

Specifically designed for bulk plants where maximum bypass flow is necessary to protect pumps from rapid pressure changes. Perfectly suited for 4" or larger pumps.



RMI Part No.	Description	Cap. @ 125 psi
ME840-24-200	3" High Flow Bypass Valve 0-200 PSI	451-1,038

RMI Part No.	Description
ME841-10F	1 1/4" Socket Weld Flange Kit
MEP840-10	1 1/4" Threaded 90° Flange Kit
MEP841-10	1 1/4" Socket Weld 90° Flange
MEP841-12F	1 1/2" Socket Weld Flange Kit
MEP840-12	1 1/2" Threaded 90° Flange Kit
MEP841-12F	1 1/2" Socket Weld 90° Flange
ME841-16F	2" Socket Weld Flange Kit
MEP840-16	2" Threaded 90° Flange Kit
MEP841-16	2" Socket Weld 90° Flange



B166



CORKEN BYPASS VALVE

Dual purpose automatic priming and differential bypass valve. Allows vapor to return to tank keeping line primed.

RMI Part No.	Description	Cap. (GPM)
B166-75	3/4" Bypass Valve 50-150 PSI	30
B166-1	1" Bypass Valve 50-150 PSI	40
T166-1.25	1 1/4" Bypass Valve 50-150 PSI	80
T166-1.5	1 1/2" Bypass Valve 50-150 PSI	100



N120-06-3



FISHER BACK PRESSURE VALVE

Valve is installed after meter and remains closed until vapor is forced back to tank through vapor eliminator.

RMI Part No.	Size	Diff. Press. Setting, (PSI)	Diff. Press. Range (PSI)
N120-06-3	3/4"	12	10-20
N120-08-3	1"	12	10-20



2" HIGH CAPACITY BYPASS VALVE

Low pressure build-up bypass valve for truck and stationary applications. Specifically designed for protecting pumps with capacities up to 250GPM. The continuous internal bleed will assist in the operation with pneumatically operated internal valves.

RMI Part No.	Description	Cap. (GPM)
ZV200	2" Bypass 91-125 PSI	180-250



RELIEF VALVE FOR LIQUID SERVICE

The Type 98H is a self-operated relief valve for use on relief and back pressure applications involving large liquid propane pumping systems and vaporizers. Internal pressure registration eliminates the need for a control line.



98H Series

RMI Part No.	Body Size	Relief Setting Range	Relief Pressure Setting
98H-17*	1/2" FNPT	25-75 PSIG	50 PSIG
98H-18*	1/2" FNPT	70-140 PSIG	100 PSIG
98H-22**	3/4" FNPT	70-140 PSIG	100 PSIG
98H-30**	1" FNPT	70-140 PSIG	100 PSIG

*Metal diaphragm & seat

**Composition diaphragm & seat



FR-10/1.00

CASH ACME DIAPHRAGM TYPE BACK PRESSURE VALVE

A true continuous acting diaphragm constant pressure valve. Excellent for vaporizer/propane air pump systems.

RMI Part No.	Size	PSI Range	Temp.
FR-10/1.00	1"	50-250	450° F.

MARSHALL EXCELSIOR BACKPRESSURE REGULATORS/RELIEF VALVES

Marshall Excelsior liquid service valves are direct operated relief valves for use on relief and backpressure applications involving large LPG pumping systems and vaporizers.



MEGR-198H

RMI Part No.	Size	Range	Setting	Relief Capacity 10 PSI Over Set	Relief Capacity 50 PSI Over Set
MEGR-198H/22	3/4"	70-140 PSI	100	49	93
MEGR-198H/30	1"	70-140 PSI	100	49	93



WW-114

SMITH BYPASS VALVE

Chatter free due to unique guide-piston design. Stainless steel piston and spring. All valves have 25-125 PSIG range.

RMI Part No.	Inlet/Outlet	Capacity
WW-120	1/2"	10
WW-340	3/4"	15
WW-100	1"	35
WW-114	1 1/4"	50
WW-112	1 1/2"	100
WW-200	2"	150
WW-212	2 1/2"	250