

DOT MULTIVALVES

Intended for use in vapor withdrawal service for DOT containers up to 420 lbs as fuel line shutoff valves in combination with a fill and vapor relief valve. Ideal for on-site filling without interruption of service by combining all functions into single tank opening.

RMI Part No.	Filler Connection	Inlet	Outlet	Dip Tube Length	Relief STD PSI	Vent Type
MES-PVE2030BC-8.6	1-3/4" ACME	3/4" NGT	F.POL	8.6"	375	N/A
MES-PVE2030BC-11.6	1-3/4" ACME	3/4" NGT	F.POL	11.6"	375	N/A
MES-PVE2030BC-10.6	1-3/4" ACME	3/4" NGT	F.POL	10.6"	375	N/A
MES-PVE2030BCSC-10.6	1-3/4" ACME	3/4" NGT	F.POL	10.6"	375	MEJ401SC
MES-PVE2035AT-11.2	1-3/4" ACME	1" NGT	F.POL	11.2"	375	N/A
MES-PVE2035AT-11.7	1-3/4" ACME	1" NGT	F.POL	11.7"	375	N/A
MES-PVE2035ATSC-250-11.7	1-3/4" ACME	1" NGT	F.POL	11.7"	250	MEJ401SC



MES-PVE2030BC



MES-PVE2035AT

MEC MULTISERVICE VAPOR VALVES FOR ASME TANKS

The ME662 Series Multi-Service Valve is intended for use in vapor withdrawal service for ASME containers or as fuel line shutoff valve in combination with an integral double check fill and vapor equalization valve. The ME665 Series Multi-Service Valve is intended for use in vapor withdrawal service for ASME containers or as fuel line shutoff valve in combination with an integral double check vapor equalization valve.

RMI Part No.	Filler Connection	Inlet	Outlet	Dip Tube Length	Vent Type
ME662	1-3/4" ACME	1-1/2" MNPT	F.POL	16.0"	MEJ401
ME662SC	1-3/4" ACME	1-1/2" MNPT	F.POL	16.0"	MEJ401SC
ME665	NONE	3/4" MNPT	F.POL	12.0"	MEJ401
ME665SC	NONE	3/4" MNPT	F.POL	12.0"	MEJ401SC



ME662



ME665

ACCESSORIES

RMI Part No.	Description
ME9101BRK	Replacement Universal Bonnet Repair Assy (less handwheel)
ME9101C1BRK	Complete ASME/DOT Valve Replacement Bonnet Assy w/ Handwheel
ME663	Replacement Double Check Vapor Return Valve 3/4"MNPT x 1-1/4"ACME
ME662-901K	Replacement Double Check Fill Valve Kit for ME662
ME662-102	Handwheel ME662/ME665

MEC LIQUID SERVICE VALVES

Intended for use in liquid service for DOT containers up to 100 lb. LPG capacity as fuel line shutoff valves in combination with a liquid fill and vapor relief valve.

RMI Part No.	Inlet	Outlet	Dip Tube Length	Relief STD PSI	Vent Type	Cylinder Type
MES-PVE3250CLM-11.6	3/4" NGT	CGA 555	11.6"	375	MEJ401	Up to 100 lb DOT



MES-PVE3250CLM



MEC VAPOR WITHDRAWAL VALVES

Intended for use in vapor withdrawal service for containers up to 100 lb. LPG capacity as fuel line shutoff valves in combination with a vapor relief valve.

RMI Part No.	Description	Inlet	Outlet	Dip Tube Length	Relief STD PSI	Vent Type	Container Type
MES-PVE3250BC-312	LP Service Valve w/o Dip Tube	3/4" NGT	F.POL	-	312	-	ASME
MES-PVE3250C-375	LP Service Valve w/o Dip Tube	3/4" NGT	F.POL	-	375	-	DOT
MES-PVE3250CLG-10.6	LP Service Valve w/ 10.6" Dip tube	3/4" NGT	F.POL	10.6	375	MEJ401	DOT
MES-PVE3250CLG-11.6	LP Service Valve w/ 11.6" Dip tube	3/4" NGT	F.POL	11.6	375	MEJ401	DOT



MES-PVE3250C-375

MEC UNDERGROUND CLUSTER MANIFOLD VALVES

These multi-purpose valves are designed for use on domestic ASME underground tanks that require a single opening except for a separate liquid withdrawal port.

TECH NOTE: Gauge and internal liquid fill pipe not included. See page 116 for UG tank gauges.

RMI Part No.	Description	Inlet	Outlet	Dip Tube Length	Relief STD PSI
MES-PVE2098AT	Underground Multivalve w/ MEJ400C Fixed Liquid Level Type	2-1/2" FNPT	F. POL	30"	250
MES-PVE2098ATSC	Underground Multivalve w/ MEJ400SC Fixed Liquid Level Type	2-1/2" FNPT	F. POL	30"	250



MES-PVE2098AT

UNDERGROUND TANK CLUSTER REMOVAL TOOL

Universal design for convenient removal of underground tank cluster valves using a standard 3/4" drive socket wrench.

RMI Part No.	Description
MEP126	Underground Cluster Valve Removal Tool



MEP126

MEC ASME LOCKING FILLER VALVE

Designed to allow maximum product transfer with its manually operated open throat design. These valves have an integral high flow primary soft-seat back check and a manually operated secondary shutoff valve for maximum protection against leaks. Because these valves provide a manually operated shutoff device, the need for a flow restricting fill check adapter has been eliminated.

RMI Part No.	Description	Filler Valve MNPT	Hose End	Additional Keys
ME600-6	ASME Locking Filler Valve w/ Protective Cap	3/4"	1-3/4" Male Acme	ME578-02
ME600-10	ASME Flomax Locking Filler Valve w/ Protective Cap	1-1/4"	1-3/4" Male Acme	ME578-03



ME600-10

MEC ASME/DOT CONTAINER SERVICE VALVES

Intended for use in vapor withdrawal service for ASME and DOT containers or as fuel line shutoff valves.

NOTE: These valves do not incorporate an integral pressure relief valve and are intended for use in containers that have a separate stand-alone pressure relief valve sized to properly handle the container's capacity.

RMI Part No.	Description	Inlet	Outlet	Dip Tube Length
ME9101C1	ASME/DOT Container Service Valve	3/4" MNPT	F. POL	N/A
ME9101D-11.1	ASME/DOT Container Service Valve	3/4" MNPT	F. POL	11.1"
ME9101D-11.7	ASME/DOT Container Service Valve	3/4" MNPT	F. POL	11.7"

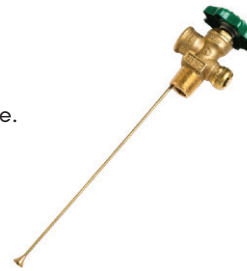


ME9101C1

GRAND HALL 100# DOT STANDARD SERVICE VALVE

Intended for use in vapor withdrawal service for DOT containers up to 100 lb. LPG capacity as fuel line shutoff valves in combination with a vapor relief valve.

RMI Part No.	Description	Inlet	Outlet	Dip Tube Length
PV1000	100 lb Cylinder Valve	3/4"	POL	N/A
PV10010.2	100 lb Cylinder Valve	3/4"	POL	10.02
PV10011.6	100 lb Propylene Cylinder Valve	3/4"	POL	11.6



PV10010.2

MEC ASME/DOT MANIFOLDING SERVICE VALVES

Intended for use in vapor withdrawal service for ASME tanks where more than one vessel is installed. The internal excess flow device at the inlet of the shutoff valve provides excess flow protection in the event of a downstream line break.

RMI Part No.	Description	Inlet	Outlet	Excess Flow GPM	Bonnet Repair Kit
ME9101C5	ASME/DOT Manifold Service Valve	3/4" MNPT	F. POL	2.6	ME9101BRK



ME9101C5

MEC ASME AND DOT FULL INTERNAL PRESSURE RELIEF VALVES

Used as pressure relief device on larger ASME engine fuel containers and recreational vehicle containers. Use MEVS-PVE445AT on multipoint 420-lb. DOT containers. Protective cap MEPS-UEP16Y included. Supplied with Everseal pre-applied thread sealant

RMI Part No.	Description	Inlet	Installation Hex	Relief Setting	Pipeaway Adapter
MEVS-UVE445AM/250	ASME Engine Fuel Service Valve	1" MNPT	1-5/16"	250 PSI	MEPS-445-21
MEVS-PVE445AT/375	420 LB Cylinder Service Valve	1" MNPT	1-5/16"	375 PSI	MEPS-445-21



MEVS-UVE445AM250



MEC VAPOR EQUALIZING VALVES

The upper check can be opened with vapor equalizing hose couplings equipped with projecting nozzle tips where the lower check is a normally open excess flow type. The lower excess flow check assembly automatically closes when flow out of the container exceeds its rated capacity.



ME663

RMI Part No.	Description	Inlet	Outlet	Closing Flow	Upper Seal Repair Kit
ME663	Double Check Vapor Return Valve w/ Plastic Cap	3/4" MNPT	1-1/4" Acme	4,000 SCFH/LPG	ME663SRK
ME664	Single Check Vapor Return Valve w/ Plastic Cap	3/4" MNPT	1-1/4" Acme	N/A	N/A

MEC DOT AND ASME FIXED LIQUID LEVEL VENT GAUGE

Designed to provide a way to visually determine that a tank has reached maximum allowable fill capacity. The dip tube end of a fixed liquid level gauge should be set equal to 80% of the liquid level tank capacity and installed in the vapor space of the tank. The vent valve should be opened before filling begins during which time vapor will be discharged. Once the tank reaches maximum liquid fill capacity (80% of the tank capacity), liquid will begin to discharge from the vent valve telling the operator the tank has reached maximum allowable fill capacity and the filling operation should cease immediately.

RMI Part No.	Description	Inlet	Dip Tube Length	Orifice Size
MEJ410-5.7	DOT/ASME Fixed Liquid Level Vent Gauge	1/4"	5.7"	#54
MEJ410-6.6	DOT/ASME Fixed Liquid Level Vent Gauge	1/4"	6.6"	#54
MEJ410-6.9	DOT/ASME Fixed Liquid Level Vent Gauge	1/4"	6.9"	#54
MEJ410-120	DOT/ASME Fixed Liquid Level Vent Gauge	1/4"	12.0"	#54
MEJ410/72-5.7	DOT/ASME Fixed Liquid Level Vent Gauge	1/4"	5.7"	Low Emission #72



MEJ410-6.9

MEC VENT VALVES

Marshall Excelsior is the only manufacturer in the industry that offers three types of vent valves—Low Emission, Self-Cleaning Low Emission, and Standard Vent Valves. All the vent valves below are designed to minimize loss of product while allowing the operator to effectively bleed down connections and detect liquid while filling containers.

RMI Part No.	Description	Inlet	Material	Orifice Size	Bleeder Screw
MEJ400	Liquid Level Vent Valve	1/4"	Brass	#54	MEJ401 or MEJ401SC
MEJ400SC	Self Cleaning Liquid Level Vent Valve	1/4"	Brass	#54	MEJ401SC
MEJ400/72	Liquid Level Vent Valve	1/4"	Brass	Low Emission #72	MEJ401
MEJ602H	90° Degree Elbow Vent Valve w/ Hydrostatic Relief	1/4"	Brass	#54	N/A
MEJ606	90° Degree Elbow Vent Valve 1/4" MPT x 1/4" M. Flare	1/4"	Brass	#54	MEJ400, MEJ401, or MEJ401SC
MEJ402S	Liquid Level Vent Valve w/ T-Handle	1/4"	Stainless Steel	#54	N/A



MEJ602H



MEC ASME AND DOT COMBINATION VALVES

Developed to mount a pressure gauge and fixed tube liquid level gauge all in one valve. The shutoff portion of the valve increases the pressure gauge's life and accuracy by eliminating constant gauge pressure and allows for easy gauge replacement. To replace a gauge simply close the valve and open the vent valve to relieve pressure before pressure gauge.

The valve can be installed at the maximum fill level or a 1/8" MNPT dip tube can be installed on the container connection side to set any liquid level desired. For use in ASME bulk storage containers and DOT transport tank installations

Additionally, these valves can be used for a wide variety of other applications, including in-line use, as they meet the requirements of UL 125 - Flow Control Valves.



ME830

RMI Part No.	Description	Container Connection	Material	Gauge Included	Dip Tube Connection FNPT	Stainless Steel Vent Valve	Stainless Steel 0-400 PSIG Pressure Gauge
ME830	LPG/NH3 Combination Valve	3/4" MNPT	Ductile	No	1/8"	Included	MEJ526 or MEJ542
ME830SS	LPG/NH3 Combination Valve	3/4" MNPT	Stainless Steel	No	1/8"	Included	MEJ526 or MEJ542
MEJ415	LPG/NH3 Combination Valve	3/4" MNPT	Steel	No	1/4"	MEJ402S	MEJ542
MEJ415G	LPG/NH3 Combination Valve w/ Gauge	3/4" MNPT	Steel	Yes	1/4"	Included	Included

MEC LIQUID TRANSFER VALVES

Designed to provide a safe means to transfer liquid or vapor from a storage container. The ME449 Series valves can be directly installed for full-time use in the liquid or vapor port of the storage container when configured with an integral excess flow check, or when utilized in conjunction with a liquid withdrawal tank valve with integral excess flow protection and the appropriate liquid withdrawal adapter.



ME449

RMI Part No.	Description	Inlet	Outlet	Excess Flow	HydroStatic Relief	Excess Flow Check Valve	Vent Valves	Closing Flow	Material
ME449	Liquid Transfer Valve	3/4"	3/4"	No	MEH225 or MEH25/450	ME449X-110-KIT	MEJ400, MEJ400SC, MEJ400/72, MEJ402S	N/A	Brass
ME449H	Liquid Transfer Valve w/ Hydrostatic Relief	3/4"	3/4"	No	Included	ME449X-110-KIT	MEJ400, MEJ400SC, MEJ400/72, MEJ402S	N/A	Brass
ME449EXS/22	Liquid Transfer Valve w/ 22 GPM Excess Flow	3/4"	3/4"	Yes	N/A	-	MEJ400, MEJ400SC, MEJ400/72, MEJ402S	22	Brass
ME450	Liquid Transfer Valve	1-3/4" ACME	3/4"	No	N/A	-	MEJ400, MEJ400SC, MEJ400/72, MEJ402S	N/A	Brass
ME449X/19.5	Liquid Transfer Valve w/19.5 GPM Excess Flow	3/4"	3/4"	Yes	N/A	ME449X-110-KIT	MEJ400, MEJ400SC, MEJ400/72, MEJ402S	19.5	Brass



MEC LIQUID TRANSFER ADAPTERS

Designed for use between the liquid transfer shutoff valve and the liquid withdrawal tank valve. These adapters enable the tank valve to open properly and allows a tight seal when transferring liquid. Special threads on the tank valve and the adapter help eliminate tampering.

RMI Part No.	Description	Inlet	Outlet	Material	Gasket
ME458	Liquid Transfer Adapter	1-5/8" UNF	3/4" FNPT	Brass	-
ME453	Liquid Transfer Adapter	3/4" NGT	3/4" FNPT	Brass	-
ME455	Liquid Transfer Adapter	3/4" NGT	3/4" FNPT	Brass	-
ME458S	LPG/NH3 Rated Liquid Transfer Adapter	1-5/8" UNF	3/4" FNPT	Steel	ME458-03



ME458

MEC LIQUID WITHDRAWAL TANK VALVES

MEC liquid withdrawal check valves provides excess flow protection in the event of a downstream connection or line failure. The safety breakaway feature leaves valve seals intact in the event of truck roll-away.

RMI Part No.	Description	Inlet	Outlet	Material
ME460	Liquid Withdrawal Check Valve	3/4" Male	1-5/8" UNF Male	Brass
ME462	Liquid Withdrawal Check Valve	1-1/4" Male	1-5/8" UNF Male	Brass
ME462S	Liquid Withdrawal Check Valve	1-1/4" Male	1-5/8" UNF Male	Steel
ME462SS	Liquid Withdrawal Check Valve	1-1/4" Male	1-5/8" UNF Male	Stainless Steel



ME460

MEC MULTIPURPOSE FILLER BYPASS RETURN VALVE FOR DISPENSING APPLICATIONS

Ideally suited for use as a high capacity combination double check fill and liquid bypass return line shut-off valve. These valves are equipped standard with an integrated excess flow feature that is internal to the tank protecting against tank separation. The preinstalled side mounted ME601-6 double check fill valve allows for safe low emissions container filling at a convenient right angle orientation. The top mount 3/4" FNPT port above integrated shut-off valve seat allows for maximum liquid bypass return flow rates without adding an external line shut-off valve.

RMI Part No.	Description	Tank Connection	Outlet Fill	Bypass Return	Closing Flow Liquid	Closing Flow Vapor	Hydrostatic Relief
ME673DEX-6SP	Multipurpose Filler Bypass Return Valve	1-1/4" Male	1-3/4"	3/4" FNPT	58 GPM	27,000 SCHF	MEH225



ME673DEX-6SP

MEC MULTIPURPOSE FILLER BYPASS RETURN VALVE

Intended for use as a high capacity liquid withdrawal valve with a manual shut off device in LPG or NH3 containers. These valves are equipped with an integrated excess flow feature that is internal to the container. The ME671DIBC is equipped with an integrated back check (IBC) feature built into the lower portion of the seat disc assembly. This feature allows liquid pressure built upstream of the shut-off disc assembly to automatically be relieved back to the container when line pressures exceed 10-25 PSI over container pressure. The (IBC) feature eliminates the need for hydrostatic relief valves to protect upstream piping or lines as well as greatly reducing product emissions and overall system safety.



ME671DIBC-8

RMI Part No.	Description	Inlet	Outlet Fill	Excess Flow Rate	Integrated Back Check	Hydrostatic Relief	Vent Valve
ME671DIBC-8	Multipurpose Valves w/ Back Check and Excess Flow	1-1/4"	1"	58 GPM	Yes	N/A	MEJ400 or MEJ402S
ME672D	Multipurpose Angle Valve w/ Excess Flow	1-1/4"	1"	78 GPM	No	MEH225 or MEH225SS	MEJ400 or MEJ402S

