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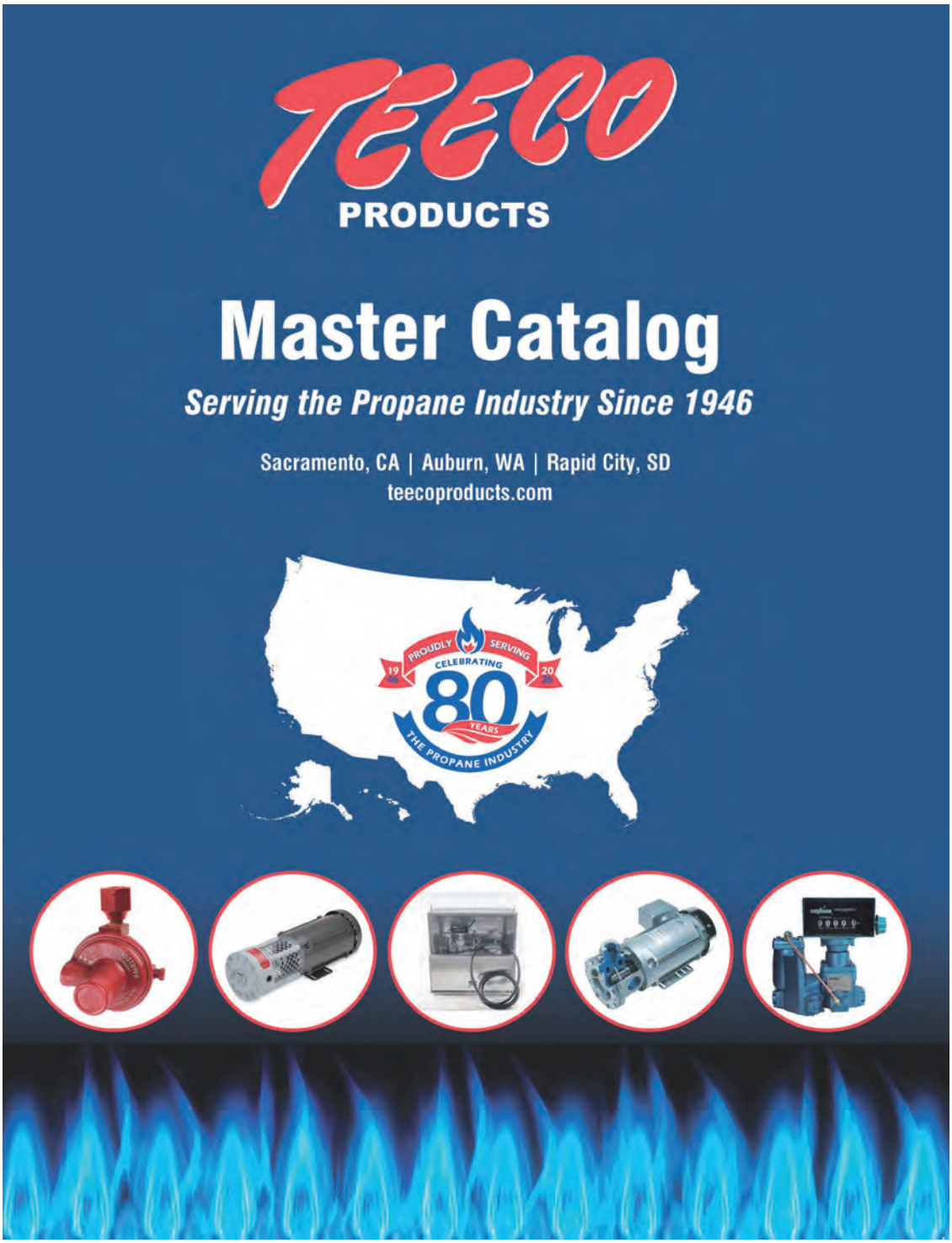
MEC Products Addendum to the Teeco Products Master Catalog



TEECO PRODUCTS

MEC™ PART OF OPW a DOVER company

MEC Products Addendum to the Teeco Products Master Catalog

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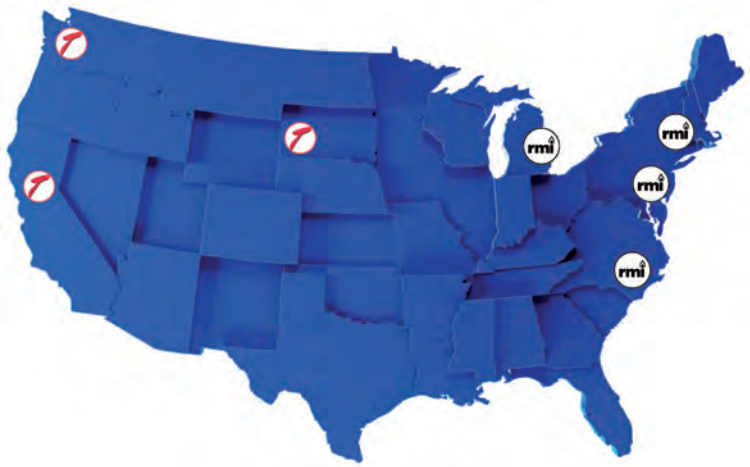

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First Stage Regulators

MARSHALLEXCELSIOR innovation made simple

MEC COMPACT FIRST STAGE REGULATORS

MEC First Stage regulators are used to reduce LP gas tank pressures for second stage regulators (normally 10 PSIG). All MEC first stage regulators are red indicating high outlet pressure. Compact first stage regulator vents have 3/8" FNPT tapped ports and E-Z grip screens located over the outlet. The MEGR-1222H series offers optimal relief performance that well exceeds UL test requirements providing double failure overpressure protection when used with MEC second stage regulators. All MEC Excela-Flo regulators feature a 25 year recommended replacement life and our exclusive 3 part tear away leak check adhesive sticker.

MEGR-1122H-AAJ

TECH NOTE: FPOL versions feature anti-freezing heat transfer fins.

Part no.	Inlet Connection	Outlet Connection	Adjustment Range	Pressure Setting	Vent Location	Capacity
MEGR-1122H-AAJ	1/4" FNPT	1/2" FNPT	8-12 PSIG	10	Straight	1,000,000 BTU
MEGR-1122H-AAJXA	1/4" FNPT	1/2" FNPT	8-12 PSIG	10	90°	1,000,000 BTU
MEGR-1222H-BGF	FPOL	1/2" FNPT	9-12 PSIG	10	Straight	1,000,000 BTU
MEGR-1222H-BGFXA	FPOL	1/2" FNPT	9-12 PSIG	10	90°	1,000,000 BTU
MEGR-1222H-BGFXB	FPOL	1/2" FNPT	9-12 PSIG	10	270°	1,000,000 BTU
MEGR-1222H-BGJ	FPOL	3/4" FNPT	9-12 PSIG	10	Straight	1,700,000 BTU

1ST STG ANTI-FREEZE HEAT TRANSFER FINS

* *Capacities based on 30PSI inlet pressure and 20% droop*

MEC COMPACT BACKMOUNT FIRST STAGE REGULATORS

The MEGR-1252H Series offers a compact first stage regulator design perfect for tight applications such as underground tank domes. They feature stainless steel internal components, fluorocarbon (FKM) seat discs, molded lip fabric reinforced diaphragms and large aluminum precision machined orifice to minimize freeze ups while providing superior downstream regulation and maximum corrosion resistance against weather or contaminated gas. With the outlet located 90 degrees from the inlet this configuration is perfectly oriented to exit the protective shroud of both above and below ground tanks without additional elbow fittings or connections.

MEGR-1252H-BGF

TECH NOTE: FPOL versions feature anti-freezing heat transfer fins.

Part no.	Inlet Connection	Outlet Connection	Adjustment Range	Pressure Setting	Vent Location	Capacity
MEGR-1252H-BGF	FPOL	1/2" FNPT	9-12 PSIG	10	Straight	1,400,000 BTU
MEGR-1252H-BGFXA	FPOL	1/2" FNPT	9-12 PSIG	10	90°	1,400,000 BTU
MEGR-1252H-BGJ	FPOL	3/4" FNPT	9-12 PSIG	10	Straight	1,500,000 BTU
MEGR-1252H-BGJXA	FPOL	3/4" FNPT	9-12 PSIG	10	90°	1,500,000 BTU

* *Capacities based on 30PSI inlet pressure and 20% droop*

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First Stage Regulators

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MEC FULL-SIZE FIRST STAGE REGULATORS

The MEGR-1622H Series offers all of the same features as the compact MEGR-1122H Series in a full-size version. The full size MEGR-1622H Series has a large fabric reinforced diaphragm for superior downstream regulation, heavy duty wrench flats, and a large 3/4" FNPT tapped drip lip vent to help prevent relief vent blockage. All MEC Excela-Flo domestic regulators feature a 25 year recommended replacement life and the MEC exclusive tear away leak check adhesive sticker.

MEGR-1622H-JGJ

Part no.	Inlet Connection	Outlet Connection	Adjustment Range	Pressure Setting	Vent Location	Capacity
MEGR-1622H-BGJ	1/2" FNPT	1/2" FNPT	8-12 PSIG	10	Straight	2,200,000 BTU
MEGR-1622H-BGK	1/2" FNPT	1/2" FNPT	4-6 PSIG	5	Straight	2,100,000 BTU
MEGR-1622H-DGJ	3/4" FNPT	3/4" FNPT	8-12 PSIG	10	Straight	2,500,000 BTU
MEGR-1622H-HGJ	FPOL	1/2" FNPT	8-12 PSIG	10	Straight	2,300,000 BTU
MEGR-1622H-HGK	FPOL	1/2" FNPT	4-6 PSIG	5	Straight	2,200,000 BTU
MEGR-1622H-JGJ	FPOL	3/4" FNPT	8-12 PSIG	10	Straight	2,750,000 BTU
MEGR-1622H-JGK	FPOL	3/4" FNPT	4-6 PSIG	5	Straight	2,650,000 BTU

** Capacities based on 30PSI inlet pressure and 20% droop*

MEC FIRST STAGE POL-TEE REGULATORS

These first stage F. POL tee inlet regulators are used to reduce LP gas tank pressures for a second stage regulator (normally 10 PSIG) in a multiple tank manifold installation without adapters or tees. All MEC first stage regulators are red indicating high outlet pressure. Compact First stage regulator vents have 3/8" FNPT tapped ports and E-Z Grip screens located over the outlet. The MEGR-1222HT series offers optimal relief performance that well exceeds UL test requirements providing double failure overpressure protection when used with MEC MEGR-1622, MEGR-1642 & MEGR-1652 Series Second Stage regulators. All MEC Excela-Flo domestic regulators feature a 25 year recommended replacement life and an exclusive tear away leak check adhesive sticker.

MEGR-1622HT-HGJ

TECH NOTE: Reduces labor, fittings, and potential leak points when manifolding tanks together.

Part no.	Body Type	Inlet Connection	Outlet Connection	Adjustment Range	Pressure Setting	Capacity
MEGR-1222HT-BGF	Compact	FPOL Tee	1/2" FNPT	8-12 PSIG	10	1,000,000 BTU
MEGR-1622HT-HGJ	Full Size	FPOL Tee	1/2" FNPT	8-12 PSIG	10	2,300,000 BTU
MEGR-1622HT-JGJ	Full Size	FPOL Tee	3/4" FNPT	8-12 PSIG	10	2,750,000 BTU

** Capacities based on 30PSI inlet pressure and 20% droop*

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Second Stage Regulators

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SENTINEL DIELECTRIC SECOND STAGE REGULATORS

SENTINEL™ Series Second Stage Dielectric Regulators feature an integral dielectric inlet connection designed to isolate upstream metallic piping from electrical current prior to piping entering a building in compliance with NFPA 58 – 2020 section 6.11.3.17. Since the FNPT inlet serves as the dielectric separation media, any standard MNPT threaded connector or valve can be installed without a separate dielectric union. Both compact and full-size models feature the same basic footprint measurement from inlet to outlet, as all standard Excela-Flo second stage regulators, making it ideal for regulator change-outs.

TECH NOTE: NFPA 58 2020 Edition; 6.11.3.17: Underground metallic piping, tubing, or both that convey LP-Gas from a gas storage container shall be provided with dielectric fittings installed above ground and outdoors at the building to electrically isolate it from the aboveground portion of the fixed piping system that enters a building.

MEGR-1222D-DFF

Part No.	Body Type	Inlet	Outlet	Adjustment Range	"Pressure Setting"	Capacity
MEGR-1222D-BAF	Compact	1/2" FNPT	1/2" FNPT	9.5 - 13" WC	11" WC	500,000 BTU
MEGR-1222D-CFF	Compact	1/2" FNPT	3/4" FNPT	9.5 - 13" WC	11" WC	800,000 BTU
MEGR-1222D-DFF	Compact	3/4" FNPT	3/4" FNPT	9.5 - 13" WC	11" WC	800,000 BTU
MEGR-1252D-BAF	Compact Back Mount	1/2" FNPT	1/2" FNPT	9.5 - 13" WC	11" WC	450,000 BTU
MEGR-1252D-CFF	Compact Back Mount	1/2" FNPT	3/4" FNPT	9.5 - 13" WC	11" WC	650,000 BTU
MEGR-1252D-DFF	Compact Back Mount	3/4" FNPT	3/4" FNPT	9.5 - 13" WC	11" WC	700,000 BTU
MEGR-1622D-BCF	Full-Size	1/2" FNPT	1/2" FNPT	9 - 13" WC	11" WC	710,000 BTU
MEGR-1622D-CFF	Full-Size	1/2" FNPT	3/4" FNPT	9 - 13" WC	11" WC	1,300,000 BTU
MEGR-1622D-DFF	Full-Size	3/4" FNPT	3/4" FNPT	9 - 13" WC	11" WC	1,300,000 BTU
MEGR-1642D-DFF	Right Angle	3/4" FNPT	3/4" FNPT	9 - 13" WC	11" WC	900,000 BTU
MEGR-1652D-CFF	Full-Size Back Mount	1/2" FNPT	3/4" FNPT	9 - 13" WC	11" WC	1,000,000 BTU
MEGR-1652D-DFF	Full-Size Back Mount	3/4" FNPT	3/4" FNPT	9 - 13" WC	11" WC	1,000,000 BTU

**Capacity based on 10 PSI inlet with 20% droop*
***Full capacity relief limits delivery pressure to 2 PSI with a 20 PSI inlet pressure*

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Second Stage Regulators

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MEC COMPACT SECOND STAGE REGULATORS

The MEGR-1222 & MEGR-1252 Series offer a compact second stage regulator design perfect for lower to intermediate BTU applications. They feature an adjustable range from 9.5-13" WC (factory set @ 11" WC), stainless steel internal components, fluorocarbon (FKM) seat discs, molded lip fabric reinforced diaphragms and large aluminum precision machined orifices providing superior downstream regulation and maximum corrosion resistance against weather or contaminated gas. The MEGR-1222 Series have both the inlet and outlet in line where the MEGR-1252 series have a rear discharge back mount outlet for convenient wall mount applications.

MEGR-1222-BAF

TECH NOTE: These regulators feature anti-freezing heat transfer fins.

Part No.	Body Type	Inlet	Outlet	Adjustment Range	Pressure Setting	Capacity
MEGR-1222-BAF	Top Mount	1/2" FNPT	1/2" FNPT	9.5 - 13" WC	11"WC	500,000 BTU
MEGR-1222-CFF	Top Mount	1/2" FNPT	3/4" FNPT	9.5 - 13" WC	11"WC	800,000 BTU
MEGR-1222-DFF	Top Mount	3/4" FNPT	3/4" FNPT	9.5 - 13" WC	11"WC	800,000 BTU
MEGR-1252-BAF	Back Mount	1/2" FNPT	1/2" FNPT	9.5 - 13" WC	11"WC	450,000 BTU
MEGR-1252-CFF	Back Mount	1/2" FNPT	3/4" FNPT	9.5 - 13" WC	11"WC	650,000 BTU
MEGR-1252-DFF	Back Mount	3/4" FNPT	3/4" FNPT	9.5 - 13" WC	11"WC	700,000 BTU

**Capacity based on 10 PSI inlet with 20% droop*

MEC FULL-SIZE SECOND STAGE REGULATORS

MEC Full-size regulators offer all the same features as the compact MEGR-1122 Series but in a full size, high-capacity version. These full-size second stage regulators have a large fabric reinforced diaphragm for superior downstream regulation, heavy duty wrench flats, and a large 3/4" FNPT tapped drip lip vent to help prevent relief valve blockage. The MEGR-1622 Series have both the inlet and outlet in line where the MEGR-1652 series have a rear discharge back mount outlet for convenient wall mount applications.

MEGR-1622-BCF

Part No.	Body Type	Inlet	Outlet	Adjustment Range	Pressure Setting	Capacity
MEGR-1622-BCF	Top Mount	1/2" FNPT	1/2" FNPT	9 - 13" WC	11"WC	710,000 BTU
MEGR-1622-CFF	Top Mount	1/2" FNPT	3/4" FNPT	9 - 13" WC	11"WC	1,300,000 BTU
MEGR-1622-DFF	Top Mount	3/4" FNPT	3/4" FNPT	9 - 13" WC	11"WC	1,300,000 BTU
MEGR-1622-DFFXO	Vent Over Outlet	3/4" FNPT	3/4" FNPT	9 - 13" WC	11"WC	1,300,000 BTU
MEGR-1642-DFF	Right Angle	3/4" FNPT	3/4" FNPT	9 - 13" WC	11"WC	900,000 BTU
MEGR-1652-CFF	Back Mount	1/2" FNPT	3/4" FNPT	9 - 13" WC	11"WC	1,000,000 BTU
MEGR-1652-DFF	Back Mount	3/4" FNPT	3/4" FNPT	9 - 13" WC	11"WC	1,000,000 BTU

**Capacity based on 10 PSI inlet with 20% droop*

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2 PSI Regulators

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MEC 2 PSI SECOND STAGE REGULATORS

These 2 PSI service regulators are used to reduce outlet pressures from first stage regulators (normally 10 PSI) to a nominal 2 PSI. 2 PSI service regulators are used in conjunction with an LPG line regulator either at the indoor appliance or a remote manifold distribution header inlet. All MEC 2 PSI service regulators are white with black adjustment caps. The full size 2 PSI service regulators have 3/4" FNPT tapped vents and MEC's exclusive E-Z grip screens located over the inlet. All MEC 2 PSI service regulators feature a stainless-steel inlet filter screen to reduce debris from passing through the regulator. Both the MEGR-1622E and MEGR-1652E series offer optimal relief performance that exceeds UL test requirements. All MEC Excela-Flo domestic regulators feature a 25-year recommended replacement life and an exclusive tear away leak check adhesive sticker.

MEGR-1652E-DFH

TECH NOTE: Line regulators must be installed downstream of the 2 PSI regulator, inside the home or building.

Part No.	Body Type	Inlet	Outlet	Adjustment Range	Pressure Setting	Capacity
MEGR-1622E-BCH	Top Mount	1/2" FNPT	1/2" FNPT	1 - 2.2 PSIG	2	1,100,000 BTU
MEGR-1622E-DCH	Top Mount	3/4" FNPT	3/4" FNPT	1 - 2.2 PSIG	2	1,400,000 BTU
MEGR-1652E-DFH	Back Mount	3/4" FNPT	3/4" FNPT	1 - 2.2 PSIG	2	1,300,000 BTU

**Capacities are based on 10 PSI inlet pressure and 20% droop*

MEC 2 PSI INTEGRAL TWO-STAGE REGULATORS

MEC Excela-Flo Integral Two-Stage regulators combine the first and second stage regulator set-up into one convenient unit converting tank pressure to 2 PSI. All MEC integral two-stage 2 PSI regulators are white indicating 2 PSI outlet pressure. These regulators are recommended for installations with short piping distances, but provide the same advantages of two-stage regulation with a single unit. 2 PSI service regulators are used in conjunction with an LPG line regulator either at the indoor appliance or a remote manifold distribution header inlet. All MEC integral two-stage regulator vents have tapped ports and exclusive E-Z Grip screens located over the outlet. Both the MEGR-1232E and MEGR-1632E series offer optimal relief performance that well exceeds UL test requirements providing over pressure protection of no more than 4 PSI downstream pressure.

MEGR-1232E-HBH

Part No.	Body Type	Inlet	Outlet	Adjustment Range	Pressure Setting	Capacity
MEGR-1232E-BBH	Compact	1/4" FNPT	1/2" FNPT	1 - 2.2 PSIG	2	500,000 BTU
MEGR-1232E-HBH	Compact	FPOL	1/2" FNPT	1 - 2.2 PSIG	2	500,000 BTU
MEGR-1632E-BCH	Full-Size	1/4" FNPT	1/2" FNPT	1 - 2.2 PSIG	2	850,000 BTU
MEGR-1632E-CFH	Full-Size	1/4" FNPT	3/4" FNPT	1 - 2.2 PSIG	2	850,000 BTU
MEGR-1632E-HCH	Full-Size	FPOL	1/2" FNPT	1 - 2.2 PSIG	2	900,000 BTU
MEGR-1632E-JFH	Full-Size	FPOL	3/4" FNPT	1 - 2.2 PSIG	2	850,000 BTU

**Capacities are based on 30 PSI inlet pressure and 20% droop*

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Integral Two Stage Regulators

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MEC COMPACT INTEGRAL TWO-STAGE REGULATORS

MEGR-1232 Compact Series offers a compact integral two-stage regulator design perfect for lower BTU applications and confined spaces. They feature an adjustment range from 9-13" WC (factory set @ 11" WC). Stainless steel integral components, fluorocarbon (FKM) seat discs, molded lip fabric reinforced diaphragms, and large precision machined aluminum orifices providing superior downstream regulation and maximum corrosion resistance against weather or contaminated gas.

MEGR-1232-BBF

Part No.	Inlet	Outlet	Adjustment Range	Pressure Setting	Vent Location	Capacity
MEGR-1232-BBF	1/4" FNPT	1/2" FNPT	9" - 13" WC	11" WC	Straight	450,000 BTU
MEGR-1232-HBF	FPOL	1/2" FNPT	9" - 13" WC	11" WC	Straight	450,000 BTU
MEGR-1232-HFF	FPOL	3/4" FNPT	9" - 13" WC	11" WC	Straight	625,000 BTU

**Capacities are based on 30 PSI inlet pressure and 20% droop*

MEC FULL-SIZE INTEGRAL TWO-STAGE REGULATORS

MEGR-1632 Series offers all the same features as the compact MEGR-1232 series in a full-size high-capacity version. The full-size MEGR-1632 diaphragm provides superior downstream regulation, has heavy duty wrench flats and a large 3/4" tapped drip lip vent to help prevent relief vent blockage.

MEGR-1632-HCF

Part No.	Inlet	Outlet	Adjustment Range	Pressure Setting	Vent Location	Capacity
MEGR-1632-BCF	1/4" FNPT	1/2" FNPT	9 - 13" WC	11" WC	Straight	700,000 BTU
MEGR-1632-CFF	1/4" FNPT	3/4" FNPT	9 - 13" WC	11" WC	Straight	950,000 BTU
MEGR-1632-HCF	FPOL	1/2" FNPT	9 - 13" WC	11" WC	Straight	700,000 BTU
MEGR-1632-JFF	FPOL	3/4" FNPT	9 - 13" WC	11" WC	Straight	900,000 BTU

**Capacities are based on 30 PSI inlet pressure and 20% droop*

MEC INTEGRAL TWO-STAGE TEE REGULATORS

These Integral Two-Stage regulators combine the first and second stage regulator setup into one convenient unit converting tank pressure to 11" WC with the convenience of a F. POL Tee inlet for multiple tank applications. All MEC Integral Two-Stage domestic regulators are gray indicating low outlet pressure. All MEC Integral Two-Stage regulator vent have tapped ports (7/16-24 - First Stage) (3/4" FNPT - Second Stage) and our exclusive E-Z Grip screens located over the outlet. Both the MEGR-1232T and MEGR-1632T series offer optimal relief performance that well exceeds UL test requirements providing over pressure protection of no more than 2 PSI downstream pressure. MEC Excela-Flo integral two-stage domestic regulators feature a 25-year recommended replacement life, our exclusive Tri-Tap (tank, 10 PSI, 11" WC) pressure port system and tear away leak check adhesive sticker.

MEGR-1632T-JFF

MEP1632

ME2130

Part No.	Type	Inlet	Outlet	Adjustment Range	Pressure Setting	Capacity
MEGR-1232T-HBF	Compact	FPOL Tee	1/2" FNPT	9.5 - 13" WC	11" WC	450,000 BTU
MEGR-1232T-HFF	Compact	FPOL Tee	3/4" FNPT	9.5 - 13" WC	11" WC	625,000 BTU
MEGR-1632T-HCF	Full-Size	FPOL Tee	1/2" FNPT	9 - 13" WC	11" WC	700,000 BTU
MEGR-1632T-JFF	Full-Size	FPOL Tee	3/4" FNPT	9 - 13" WC	11" WC	900,000 BTU

**Capacities are based on 30 PSI inlet pressure and 20% droop*

Part No.	Description
MEP1632	MEC Excela-Flo Integral Twin Stage - First Stage Vent Guard
ME2130	First Stage Pipe Away Elbow 1/4" M. Inv. Fl. X 1/4" F. Inv. Fl.

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MEC Automatic Changeover Regulators

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MEC DOMESTIC AUTOMATIC CHANGEOVER REGULATORS

These Two Stage Automatic Changeover regulators combine the first and second stage regulator into one unit converting full tank pressure to 11" WC. MEC Excela-Flo Automatic Changeover regulators prevent gas outages by switching supply cylinders over to the reserve cylinder automatically when the primary cylinder is near empty. When the primary cylinder is depleted, causing the changeover to occur, a red indicator will appear signifying the reserve cylinder in now in use and the primary cylinder can be refilled without loss of service.

MEGR-175CS61622-BCF

Part No.	Body Style	Inlet	Outlet	Adjustment Range	Pressure Setting	Primary Cylinder Capacity	Auxilary Cylinder Capacity
MEGR-175CS61222-BAF	Compact	1/4" IF	1/2" FNPT	9.5 - 13" WC	11" WC	400,000 BTU	340,000 BTU
MEGR-175CS61622-BCF	Full-Size	1/4" IF	1/2" FNPT	9 - 13" WC	11" WC	650,000 BTU	570,000 BTU
MEGR-175CS61622E-BCH	Full-Size	1/4" IF	1/2" FNPT	1 - 2.2 PSIG	2 PSIG	625,000 BTU	525,000 BTU

**Capacity based on 30 PSI inlet with 20% droop*

MEC LOW-CAPACITY AUTOMATIC CHANGEOVER REGULATORS

The MEGR-253 Series Automatic Changeover Regulators automatically redirect LP gas vapor flow from an empty service cylinder to a reserve cylinder, without interruption of service. It features an easy-to-read green indicator which changes to red when the service cylinder needs to be refilled. The MEGR-253L are ideally suited for RV, manufactured homes, cabins, or other applications with a single appliance or low BTU multiple appliance applications while still permitting maximum range of output pressure adjustment.

MEGR-253

Part No.	Inlet	Outlet	Pressure Setting	Primary Cylinder Capacity	Auxilary Cylinder Capacity	Cover	Mounting Bracket
MEGR-253**	1/4 F. Inv. FL.	3/8" FNPT	11" WC	225,000 BTU	150,000 BTU	MEGR-862	MEGR-900 or MEGR-RVB
MEGR-253H**	1/4 F. Inv. FL.	3/8" FNPT	11" WC	350,000 BTU	200,000 BTU		
MEGR-253L	1/4 F. Inv. FL.	3/8" FNPT	11" WC	150,000 BTU	100,000 BTU		

**Capacity based on 100 PSI inlet with 20% droop*
***UL Listed Construction*

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High Pressure Regulators

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MEGR-130 SERIES SINGLE STAGE FIXED HIGH PRESSURE REGULATORS

The MEGR-130 series fixed high pressure single stage regulators are designed to provide an economical solution for pounds to pounds service applications. The MEGR-130 can be used to regulate air as well as LP gas. Regulators must be installed in compliance with federal, state or local codes or laws in accordance with NFPA 58.

MEGR-130-30

Part No.	Inlet	Outlet	Setting	Capacity
MEGR-130-05	1/4" NPT	1/4" NPT	5 PSI	1,200,000 BTU
MEGR-130-10	1/4" NPT	1/4" NPT	10 PSI	1,200,000 BTU
MEGR-130-20	1/4" NPT	1/4" NPT	20 PSI	1,200,000 BTU
MEGR-130-30	1/4" NPT	1/4" NPT	30 PSI	1,200,000 BTU
MEGR-130-50	1/4" NPT	1/4" NPT	50 PSI	1,200,000 BTU
MEGR-130-80	1/4" NPT	1/4" NPT	80 PSI	1,200,000 BTU

**Capacity based on 40 PSI inlet pressure*

MEGR-164 SERIES HIGH PRESSURE ADJUSTABLE REGULATORS

The MEGR-164 Series adjustable high-pressure regulators offer a wide selection of available pressure ranges. High pressure regulators are typically used to reduce tank pressure to an intermediate pressure for use by another regulator. They may be used as high pressure regulators on distribution systems when used in conjunction with first-stage downstream regulators.

When equipped with an integral relief valve (MEGR-164SR Series), the regulator may be used as a final-stage regulator on high pressure systems. It may also be used as a first-stage regulator when set at 10 PSIG or less. The 1/4"-inch FNPT tapped side outlet can be used to install a pressure gauge or a hydrostatic relief valve. This series contains brass materials that are not compatible with anhydrous ammonia service.

TECH TIP: It is recommended to use these with an external pressure relief device such as the MEGR-1290 Series.

MEGR-164-35

Part No.	Inlet/ Outlet	Internal Relief	Setting	Range	Capacity @ 60 PSI Inlet	Capacity @ 100 PSI Inlet
MEGR-164/33	1/2" FNPT	N	10 PSI	0-30 PSI	6,098,000	6,800,000
MEGR-164/35	1/2" FNPT	N	20 PSI	0-30 PSI	6,400,000	8,335,000
MEGR-164/36	1/2" FNPT	N	40 PSI	0-60 PSI	6,100,000	9,145,000
MEGR-164/222	1/2" FNPT	N	50 PSI	0-125 PSI	4,900,000	7,225,000
MEGR-164SR/21	1/2" FNPT	Y	10 PSI	0-15 PSI	4,675,000	7,825,000
MEGR-164SR/22	1/2" FNPT	Y	15 PSI	0-30 PSI	3,050,000	4,125,000
MEGR-164SR/23	1/2" FNPT	Y	20 PSI	0-30 PSI	3,405,000	4,755,000
MEGR-164-6/33	3/4" FNPT	N	10 PSI	0-30 PSI	9,150,000	10,875,000
MEGR-164-6/35	3/4" FNPT	N	20 PSI	0-30 PSI	10,105,000	12,400,000
MEGR-164-6/36	3/4" FNPT	N	40 PSI	0-60 PSI	9,960,000	13,415,000
MEGR-164-6/222	3/4" FNPT	N	50 PSI	35-100 PSI	4,575,000	11,890,000

**Capacity based on 20% droop*

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High Pressure Regulators

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MEGR-350/360 SERIES SINGLE STAGE ADJUSTABLE HIGH PRESSURE REGULATORS

The MEGR-350 Series single stage, adjustable high pressure regulator features a precisely machined body and bonnet along with a crimped design and fabric reinforced rubber diaphragm creating a positive seal for leak-free performance. The MEGR-360 Series regulator with the Type 1 (QCC) connection is designed specifically for appliances that require pounds to pounds pressure instead of inches of water column.

Part No.	Inlet	Outlet	Range	Capacity
MEGR-350	1/4" FNPT	1/4" FNPT	0-10 PSI	1,200,000 BTU
MEGR-350-20	1/4" FNPT	1/4" FNPT	0-20 PSI	1,200,000 BTU
MEGR-350-30	1/4" FNPT	1/4" FNPT	0-30 PSI	1,200,000 BTU
MEGR-351	MPOL	1/4" FNPT	0-10 PSI	1,200,000 BTU
MEGR-360	QCC	1/4" FNPT	0-10 PSI	1,200,000 BTU

**Capacity based on 40 PSI inlet pressure*

MEGR-350-20

MEGR-1627/1630 SERIES FIRST STAGE COMMERCIAL & INDUSTRIAL REGULATORS

The MEGR-1627 and MEGR-1630 Series commercial/industrial regulators are large capacity, high pressure units for use in conjunction with MEGR-CS1200 or MEGR-S1202 Series regulators. They can also be used on final-stage (PSI to PSI) service. The diaphragm case and/or regulator body on the MEGR-1627 Series can be rotated in any of four positions to allow installation in locations with limited space. Available with a monitor or integral relief valve, the MEGR-1627 Series is perfectly suited for jurisdictional systems, grain dryers, direct fired vaporizers or other high capacity service applications. The MEGR-1630 Series is best used in industrial applications where high flow capacity is required.

MEGR-1627-6210

MEGR-1630-104-78

Part No.	Body Type	Inlet/ Outlet	Orifice	Set Point	Range	Capacity @ 100 PSI Inlet	Capacity @ 20 PSI Inlet
MEGR-1627/497	Standard	1" FNPT	1/2"	20 PSI	15-40 PSI	36,600,000 BTU	6,050,000 BTU
MEGR-1627/576	Standard	2" FNPT	1/2"	10 PSI	5-20 PSI	45,000,000 BTU	6,003,000 BTU
MEGR-1627/5810*	Standard	3/4" FNPT	3/8"	10 PSI	5-20 PSI	11,700,000 BTU	4,700,000 BTU
MEGR-1627/6210*	Standard	3/4" FNPT	1/2"	10 PSI	5-20 PSI	12,400,000 BTU	6,700,000 BTU
MEGR-1627/7710*	Standard	1" FNPT	1/2"	10 PSI	5-20 PSI	25,100,000 BTU	6,900,000 BTU
MEGR-1627B/7710	Perpindicular Body	1" FNPT	1/2"	10 PSI	5-20 PSI	25,100,000 BTU	6,900,000 BTU
MEGR-1627M/267	w/ Monitor	2" FNPT	1/2"	10 PSI	5-20 PSI	36,100,000 BTU	6,003,000 BTU
MEGR-1627M/471	w/ Monitor	1" FNPT	1/2"	10 PSI	5-20 PSI	25,100,000 BTU	6,900,000 BTU
MEGR-1627R/113	W/ Relief	3/4" FNPT	3/8"	10 PSI	5-20 PSI	9,800,000 BTU	4,200,000 BTU
MEGR-1627V/5810	FKM Construction	3/4" FNPT	3/8"	10 PSI	5-20 PSI	11,700,000 BTU	4,700,000 BTU
MEGR-1627V/7710	FKM Construction	1" FNPT	1/2"	10 PSI	5-20 PSI	25,100,000 BTU	4,700,000 BTU
MEGR-1630-104/78	Standard	2" FNPT	1/2"	10 PSI	8-20 PSI	47,000,000 BTU	7,700,000 BTU

**UL Listed Construction*

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High Pressure Regulators

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TECH TIP: The regulators on these pages are designed with no overpressure protection because they are intended for specialty gas applications. The use would include, but not limited to regulated grain drying burners, tar torches, high pressure construction heaters, kiln burners and various other flame processing industrial applications.

MEGR-2104/2106 SERIES HIGH PRESSURE & HIGH TEMPERATURE ADJUSTABLE REGULATORS

The MEGR-2104/MEGR-2106 Series is a highly reliable and accurate adjustable high-pressure regulator designed to offer a wide selection of available pressure ranges for LPG applications. With models designed to reduce container pressure to between 3 PSI-125 PSI coupled with the high BTU delivery capacity, this regulator series is perfect for a wide range of high demand industrial/commercial LPG applications such as temporary heat, grain drying, asphalt heaters, agriculture and manufacturing process applications. Multiple trims available including Nitrile for standard LPG service (-40°F - 170°F) and FKM for high temperature LPG service (-40°F - 300°F).

MEGR-2104

Part No.	Service	Inlet/Outlet	Range	Setting	Capacity
MEGR-2104NL/4	LP-Gas	1/2" FNPT	3-30 PSI	20	7,000,000 BTU
MEGR-2104NM/4	LP-Gas	1/2" FNPT	25-50 PSI	30	10,000,000 BTU
MEGR-2104NH/4	LP-Gas	1/2" FNPT	45-125 PSI	60	10,000,000 BTU
MEGR-2104VL/4	High Temp LP	1/2" FNPT	3-30 PSI	20	7,000,000 BTU
MEGR-2104VM/4	High Temp LP	1/2" FNPT	25-30 PSI	30	10,000,000 BTU
MEGR-2106NL/6	LP-Gas	3/4" FNPT	3-30 PSI	20	7,500,000 BTU
MEGR-2106NM/6	LP-Gas	3/4" FNPT	25-50 PSI	30	14,000,000 BTU
MEGR-2106NH/6	LP-Gas	3/4" FNPT	45-125 PSI	60	14,000,000 BTU
MEGR-2106VL/6	High Temp LP	3/4" FNPT	3-30 PSI	20	7,500,000 BTU
MEGR-2106VM/6	High Temp LP	3/4" FNPT	25-50 PSI	30	14,000,000 BTU
MEGR-2106NL/8	LP-Gas	1" FNPT	3-30 PSI	20	7,500,000 BTU
MEGR-2106NM/8	LP-Gas	1" FNPT	25-50 PSI	30	14,000,000 BTU
MEGR-2106NH/8	LP-Gas	1" FNPT	45-125 PSI	60	14,000,000 BTU
MEGR-2106VL/8	High Temp LP	1" FNPT	3-30 PSI	20	7,500,000 BTU
MEGR-2106VM/8	High Temp LP	1" FNPT	25-50 PSI	30	14,000,000 BTU

**Capacity based on 100 PSI inlet, 20% droop*

MEGR-11301F SERIES MULTIPLE OUTLET ADJUSTABLE HIGH PRESSURE REGULATOR

The MEGR-11301F is a reliable and accurate regulator making it ideal for numerous high pressure applications. This multi-purpose regulator can be used as a pilot supply or pressure-loading regulator where high pressure operating medium must be reduced for use by gas regulator pilots or pressure-loaded regulators. Its rugged design and multiple outlet ports offer versatility for a wide variety of applications.

MEGR-11301F

Part No.	Inlet (1 Port)	Outlet (3 Ports)	Max Inlet Pressure	Outlet Range
MEGR-11301F	1/4" FNPT	1/4" FNPT	5,500 PSI	0-120 PSI

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High Pressure Regulators

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MEGR-6120 SERIES HIGH PRESSURE ADJUSTABLE REGULATORS

The MEGR-6120 Series are UL listed high-pressure regulators that meet a variety of applications for liquid or vapor service. The compact body design makes these regulators particularly useful in installations with space limitations. The basic MEGR-6120 Series regulators come equipped with a hand wheel adjustment. The non-adjustable ME6121 Series provides a tamper-resistant spring case and one of seven fixed set points: 5, 10, 20, 30, 40, 50, or 60 PSI.

The MEGR-6120 & MEGR-6121 Series are UL listed as high pressure, non-relief regulators. Both MEGR-6120 & MEGR-6121 Series regulators contain brass materials that are not compatible with anhydrous ammonia service.

MEGR-6120-60

ADJUSTABLE REGULATORS

Part No.	Inlet/Outlet	Range
MEGR-6120-30	1/4" FNPT	1-30 PSI
MEGR-6120-60	1/4" FNPT	1-60 PSI
MEGR-6120-100	1/4" FNPT	1-100 PSI

MEGR-6121-30

NON-ADJUSTABLE REGULATORS

Part No.	Inlet/Outlet	Range
MEGR-6121-05	1/4" FNPT	5 PSI
MEGR-6121-10	1/4" FNPT	10 PSI
MEGR-6121-20	1/4" FNPT	20 PSI
MEGR-6121-30	1/4" FNPT	30 PSI
MEGR-6121-40	1/4" FNPT	40 PSI
MEGR-6121-50	1/4" FNPT	50 PSI
MEGR-6121-60	1/4" FNPT	60 PSI

Capacities: BTU/H (Vapor)		
Outlet Set Point	Inlet Pressure	BTU /HR
15 PSI	50 PSI	850,000
15 PSI	100 PSI	1,700,000
15 PSI	150 PSI	2,500,000
20 PSI	50 PSI	900,000
20 PSI	100 PSI	1,800,000
40 PSI	100 PSI	1,500,000
40 PSI	150 PSI	2,000,000
50 PSI	100 PSI	1,300,000
50 PSI	150 PSI	1,800,000
50 PSI	200 PSI	2,300,000

TECH TIP:

Regulator Installation Tips

- Do not oversize regulators. Pick the smallest regulator and orifice that will handle the maximum flow requirements.
- Regulator body size should not be larger than the pipe size.
- Regulator should be installed higher than the tank service valve with the pigtail sloping towards the tank.
- Refer to NFPA 58 for installation code compliance.
- Vents should be pointed down to help avoid the accumulation of water condensation or other materials in the spring case.
- Do not reduce the size of the vent for remote venting.
- Inspect regulators when providing service or maintenance.
- Follow manufacturers' instructions on service life and regulator replacement.

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Commercial Low Pressure Regulators

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MEGR-1HSRL/CS/S SERIES LOW PRESSURE COMMERCIAL & INDUSTRIAL REGULATORS

The MEGR-1HSRL Series offers a full size high capacity light commercial type regulator with an adjustment range from 6-14" WC, a heavy duty cast iron body with a universal body to bonnet union for fast relocation of inlet to outlet vent location. These light commercial second stage regulators are used to reduce outlet pressures from first stage regulators (normally 10 PSI) to 11" WC.

The MEGR-S1202/MEGR-CS1200 Series commercial/industrial regulators are large capacity, low pressure second stage units for installation at schools, bakeries, and similar applications. They contain a limited capacity internal relief valve and can be used in conjunction with either MEGR-1627 Series or MEGR-1630 Series high-pressure regulators. For high capacity installations, the MEGR-1289H Series relief valve is required to be installed in the downstream system.

MEGR-S1202G-CNC

Part No.	Inlet/Outlet	Orifice	Range	Setting	Max Inlet Pressure	Capacity @ 25 PSI Inlet	Capacity @ 10 PSI Inlet
MEGR-1HSRL-BFC	3/4" FNPT	3/8"	6-14" WC	11" WC	40 PSI	-	2,000,000 BTU
MEGR-1HSRL-CFC	1" FNPT	3/8"	6-14" WC	11" WC	40 PSI	-	2,500,000 BTU
MEGR-CS1200IR6EC1	3/4" FNPT	1/2"	6-14" WC	11" WC	25 PSI	2,100,000 BTU	1,600,000 BTU
MEGR-CS1200IR6EC3	1" FNPT	1/2"	6-14" WC	11" WC	25 PSI	2,500,000 BTU	1,900,000 BTU
MEGR-CS1200IR6EC6	1-1/4" FNPT	1/2"	6-14" WC	11" WC	25 PSI	3,100,000 BTU	2,800,000 BTU
MEGR-CS1200IR7EC1	3/4" FNPT	5/16"	6-14" WC	7" WC	25 PSI	*1,250,000 BTU	*985,000 BTU
MEGR-CS1200IR7EC3	1" FNPT	5/16"	6-14" WC	7" WC	25 PSI	*1,620,000 BTU	*1,525,000 BTU
MEGR-S1202G-BNC	1-1/2" FNPT	1"	9-18" WC	11" WC	25 PSI	14,700,000 BTU	10,800,000 BTU
MEGR-S1202G-CNC	2" FNPT	1"	9-18" WC	11" WC	25 PSI	30,000,000 BTU	23,000,000 BTU
MEGR-S1202H-CNK	2" FNPT	1"	1.5-3.25 PSI	2 PSI	25 PSI	22,200,000 BTU	10,300,000 BTU

* *Flow rates listed in BTU Natural Gas*

MEGR-1133 SERIES SECOND STAGE MANUAL ADJUSTABLE REGULATOR

The MEGR-1133 Series is a manual, direct acting, self-operating, spring loaded, and adjustable low pressure regulator. It is used in applications where pressure reduction is required. The regulator will reduce the risk of "shock" from abrupt changes of downstream conditions. This can help prevent safety equipment from shutting an operation down. The MEGR-1133 is equipped with external pressure registration; an external control line is needed to connect the output pressure port with the diaphragm chamber. The MEGR-1133 utilizes a balance diaphragm to reduce the effects of supply pressure changes on the output pressure. The external pressure registration of the standard MEGR-1133 also allows it to be used as a monitor regulator.

MEGR-1133

Part No.	Inlet/Outlet	Orifice	Range	Setting	Capacity @ 10 PSI Inlet	Capacity @ 20 PSI Inlet
MEGR-1133H-2	2" FNPT	2"	2-5 PSI	2 PSI	27,405,000 BTU	52,700,000 BTU
MEGR-1133H-3	2" FNPT	2"	5-10 PSI	5 PSI	22,300,000 BTU	41,600,000 BTU
MEGR-1133L-4	2" FNPT	2"	8.5-18" WC	14" WC	45,600,000 BTU	77,100,000 BTU
MEGR-1133L-6	2" FNPT	2"	.75-2 PSI	2 PSI	46,700,000 BTU	77,100,000 BTU

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Pilot Operated Regulators

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MEGR-199 SERIES PILOT OPERATED REGULATORS

The MEGR-199 Series Industrial Regulators are large capacity, pilot operated, low or high pressure units for use in applications with loads demanding up to 75,000,000 BTU/H capacity. These regulators are best suited for industrial applications where high flow capacity and a downstream monitor control line can be applied. The MEGR-199 series provides exceptional downstream control while operating at very high capacities with minimal droop under varying flow and inlet pressures.

MEGR-199

Part No.	Pressure Service	Inlet/Outlet	Orifice	Range	Setting	Max Inlet Pressure	Capacity @ 20 PSI Inlet
MEGR-199-501P	Low	2" FNPT	1-1/8"	7" WC - 2 PSI	1 PSI	150 PSI	48,825,000 BTU
MEGR-199-503P	Low	2" FNPT	1-1/8"	2-10 PSI	10 PSI	150 PSI	61,425,000 BTU
MEGR-199-504P	Low	2" FNPT	1-1/8"	5-15 PSI	15 PSI	150 PSI	63,000,000 BTU
MEGR-199-510P	High	2" FNPT	7/8"	7" WC - 2 PSI	1 PSI	250 PSI	29,295,000 BTU
MEGR-199-511P	High	2" FNPT	7/8"	1-5 PSI	5 PSI	250 PSI	33,075,000 BTU
MEGR-199-512P	High	2" FNPT	7/8"	5-15 PSI	15 PSI	250 PSI	37,800,000 BTU
MEGR-199-513P	High	2" FNPT	7/8"	2-10 PSI	10 PSI	250 PSI	36,225,000 BTU
MEGR-199-515P	High	2" FNPT	7/8"	10-20 PSI	20 PSI	250 PSI	40,950,000 BTU
MEGR-199-903P	High	2" FNPT	7/8"	10-65 PSI	30 PSI	250 PSI	44,100,000 BTU
MEGR-199-502PH	High	2" FNPT	1-1/8"	1-5 PSI	5 PSI	300 PSI	55,125,000 BTU
MEGR-199-503PH	High	2" FNPT	1-1/8"	2-10 PSI	10 PSI	300 PSI	61,425,000 BTU
MEGR-199-504PH	High	2" FNPT	1-1/8"	5-15 PSI	15 PSI	300 PSI	63,000,000 BTU
MEGR-199-505PH	High	2" FNPT	1-1/8"	10-20 PSI	20 PSI	300 PSI	67,725,000 BTU
MEGR-199-901PH	High	2" FNPT	1-1/8"	10-65 PSI	30 PSI	300 PSI	74,025,000 BTU
MEGR-199M-504PH	Monitor	2" FNPT	1-1/8"	5-15 PSI	15 PSI	300 PSI	42,650,000 BTU
MEGR-199M-505PH	Monitor	2" FNPT	1-1/8"	10-20 PSI	20 PSI	300 PSI	67,725,000 BTU
MEGR-199M-901PH	Monitor	2" FNPT	1-1/8"	10-65 PSI	30 PSI	300 PSI	74,025,000 BTU

** Capacity based on inlet pressure 20 PSI greater than outlet with 20% droop*

Relief Valves

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MEGR-198H SERIES LIQUID BACK PRESSURE RELIEF VALVES

The MEGR-198H Series, liquid service valves are direct-operated relief valves for use on relief and back pressure applications involving large LP-Gas pumping systems and vaporizers. Internal pressure registration eliminates the need for a control line.

Part No.	Inlet/ Outlet	Relief Setting	Outlet Range	Relief Capabilities	
				10PSI Over Set Point	50 PSI Over Set Point
MEGR-198H-22	3/4" FNPT	100 PSI	70-140 PSI	49 GPM	93 GPM
MEGR-198H-30	1" FNPT	100 PSI	70-140 PSI	49 GPM	93 GPM
MEGR-198H-31	1" FNPT	175 PSI	130-200 PSI	52 GPM	109 GPM

MEGR-198H

MEGR-1289H SERIES VAPOR BACK PRESSURE RELIEF VALVES

The MEGR-1289H Series relief valve is installed between large second stage regulators and the burner to provide high capacity relief. They are ideal for low pressure settings due to the increased sensitivity provided by the large diaphragm area. Suitable as a pressure high capacity relief device when installed between a first and second stage regulator.

MEGR-1289

Part No.	Inlet/Outlet	Range	Setpoint	Max Inlet	SCFH/Propane
MEGR-1289H/1	2" FNPT	7-18" WC	9" WC	25 PSI	55,000
MEGR-1289H/2	2" FNPT	.5-2.25 PSI	1 PSI	25 PSI	55,500
MEGR-1289H/3	2" FNPT	1.75-7 PSI	3 PSI	25 PSI	58,000
MEGR-1289H/4	2" FNPT	4-10 PSI	6 PSI	25 PSI	58,500
MEGR-1289H/5	2" FNPT	10-15 PSI	12 PSI	25 PSI	61,000
MEGR-1289H/41	1" FNPT	1-4.5 PSI	2 PSI	100 PSI	45,500
MEGR-1289H/42	1" FNPT	4-15 PSI	8 PSI	100 PSI	46,000
MEGR-1289H/43	1" FNPT	10-20 PSI	15 PSI	100 PSI	48,000
MEGR-1289H/49	1" FNPT	15-50 PSI	25 PSI	100 PSI	49,000
MEGR-1289HH-1	1" FNPT	45-75 PSI	50 PSI	100 PSI	50,000
MEGR-1290H/43	3/4" FNPT x 1" FNPT	10-20 PSI	15 PSI	100 PSI	40,000
MEGR-1290H/49	3/4" FNPT x 1" FNPT	15-50 PSI	25 PSI	100 PSI	50,000

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LOW PRESSURE SINGLE STAGE REGULATORS

The MEGR-230 single-stage regulators are approved for use in small portable applications and outdoor cooking appliances utilizing low pressure. These are not approved for RV use.

Part No.	Inlet	Outlet	Setting	Vent	Capacity
MEGR-218	FPOL	3/8" FNPT w/ Handwheel	11" WC	90°	140,000 BTU
MEGR-230	1/4" FNPT	3/8" FNPT	11" WC	Outlet	140,000 BTU
MEGR-230-9	POL	3/8" FNPT	11" WC	Outlet	140,000 BTU
MEGE-230-90	1/4" FNPT	3/8" FNPT	11" WC	90°	140,000 BTU
MEGR-230-1618	Black QCC	3/8" FNPT	11" WC	90°	100,000 BTU
MEGR-230-1326	Black QCC	3/8" FNPT	11" WC	Outlet	100,000 BTU
MEGR-231	Hardnose POL	3/8" FNPT	11" WC	90°	140,000 BTU

MEGR-230

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MEGR-1912 SERIES SINGLE STAGE REGULATORS

The MEGR-1912 Series UL Listed regulators are direct operated, spring-loaded models designed for use in a variety of service and industrial applications. These regulators have limited-capacity internal relief across the diaphragm to help minimize over pressurization. The MEGR-1912 Series with capacity ratings of less than 320,000 BTU/hr (129 scfh), are often used on small portable outdoor appliances.

TECH NOTE: Underwriters Laboratories (UL) requires horizontally mounted regulators to be installed with vent opening protection to prevent blockage by freezing rain.

Part No.	Inlet	Outlet	Range	Setting	Capacity
MEGR-1912/101	1/4" FNPT	3/8" FNPT	9.25-13" WC	11" WC	242,953 BTU
MEGR-1912/104	1/4" FNPT	1/4" FNPT	9.25-13" WC	11" WC	242,953 BTU
MEGR-1912/109	1/4" FNPT	3/8" FNPT	5-10" WC	7" WC	242,953 BTU
MEGR-1912/197	1/4" FNPT	3/8" FNPT	12-24" WC	20" WC	313,488 BTU
MEGR-1912H/108	1/4" FNPT	3/8" FNPT	0.8-2.7 PSI	1.5 PSI	297,814 BTU
MEGR-1912H/520	1/4" FNPT	1/4" FNPT	2.7-5 PSI	3.5 PSI	-

MEGR-1912-197

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PIGTAILS

TECH NOTE: ME1600D Series Dielectric pigtails/ hogtails are intended to isolate metallic piping from sources of electrical current and to help prevent galvanic corrosion when used on underground containers. The ME1600D dielectric pigtail/ hogtail would typically be installed at the ASME tank directly upstream of the first stage regulator prior to underground piping, isolating the underground metallic piping from electric current.

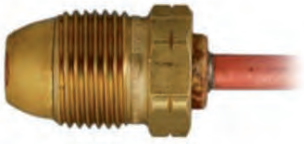
		PIGTAILS - Part Number			
		1/4" Tube OD		1/4" Tube OD Dielectic	
Description	Approx Length inches	Long Nipple	Short Nipple	Long Nipple	Short Nipple
POL X POL 7/8"	6	-	1664-6	-	-
	12	1662-12	1664-12	ME1662D-12	ME1664D-12
	20	1662-20	1664-20	ME1662D-20	ME1664D-20
	30	1662-30	1664-30	-	-
	36	1662-36	1664-36	-	-
	48	1662-48	1664-48	-	-
POL X POL 1-1/8"	20	1660-20	-	-	-
	30	1660-30	-	-	-
	36	1660-36	-	-	-
	48	1660-48	-	-	-
1/4" INV FL X POL 7/8"	15	-	1665-15	-	-
	20	1663-20	1665-20	-	-
	30	1663-30	1665-30	-	-
	36	1663-36	1665-36	-	-
	48	1663-48	1665-48	-	-
1/4" INV FL X POL 1-1/8"	20	1661-20	-	-	-
	30	1661-30	-	-	-
	36	1661-36	-	-	-
	40	1661-40	-	-	-
	48	1661-48	-	-	-
1/4" MNPT X POL 7/8"	6	1679-6	1669-6	-	-
	12	1679-12	1669-12	ME1679D-12	ME1669D-12
	18	1679-18	1669-18	-	-
	20	1679-20	1669-20	ME1679D-20	ME1669D-20
	30	1679-30	1669-30	-	-
	36	1679-36	1669-36	-	-
	48	1679-48	1669-48	-	-
1/4" MNPT X POL 1-1/8"	12	1690-12	-	-	-
	20	1690-20	-	-	-
	48	1690-48	-	-	-

Long Nipple

Short Nipple

1/4" Inverted Flare

1/4" MNPT


Male Hard Nose POL, 7/8" Nut

Dielectric version

Some items may not be in stock at all warehouses or may be special order. Please log in to our website or contact your Teeco Representative for current availability.
Shop online at **www.TeecoProducts.com**

HOGTAILS

	HOGTAILS - Part Number				
		3/8" Tube OD		3/8" Tube OD Dielectic	
Description	Approx Length inches	Long Nipple	Short Nipple	Long Nipple	Short Nipple
POL X POL 7/8"	6	ME1680L-6	1680-6	-	-
	12	ME1680L-12	1680-12	ME1680LD-12	ME1680D-12
	20	ME1680L-20	1680-20	ME1680LD-20	ME1680D-20
	30	ME1680L-30	1680-30	-	-
	36	ME1680L-36	1680-36	-	-
	48	ME1680L-48	1680-48	-	-
1/4" MNPT X POL 7/8"	6	-	1689-6	-	-
	12	-	1689-12	-	-
	20	-	1689-20	-	-
	36	-	1689-36	-	-
	48	-	1689-48	-	-
1/2" MNPT x POL 7/8"	12	ME1684L-12	1684-12	-	-
	20	ME1684L-20	1684-20	-	-

FLEXIBLE HOSE PIGTAILS

Part no.	Inlet	Outlet	Length
MER403-12	7/8" Hardnose POL	1/4" Male Inv Fl.	12"
MER403-18	7/8" Hardnose POL	1/4" Male Inv Fl.	18"
MER403-24	7/8" Hardnose POL	1/4" Male Inv Fl.	24"
MER403-30	7/8" Hardnose POL	1/4" Male Inv Fl.	30"
MER403-48	7/8" Hardnose POL	1/4" Male Inv Fl.	48"
MER403-60	7/8" Hardnose POL	1/4" Male Inv Fl.	60"
MER403-72	7/8" Hardnose POL	1/4" Male Inv Fl.	72"
MER403-120	7/8" Hardnose POL	1/4" Male Inv Fl.	120"

MER403

Other sizes and configurations available - contact customer service for more info

MEC FLEX VENT KIT

Application:

The MEC Flex-Vent provides a safe and easy solution to vent LP Gas Regulators away from openings, sources of ignition or other potential fire hazards. Meets all requirements of the new flexible material allowance in the 2011 NFPA-58, section 5.8.3.1 (3).

Features:

- Durable hose constructed of flexible PVC material suitable for use with LP Gas vapor
- UV stable for maximum resistance to outdoor exposure
- 3/4" NPT swivel inlet for easy installation
- Standard 90-degree vent assembly with screen
- Mounting clamps and coated masonry screws supplied
- Crimped ends for maximum durability

Part no.	Description
ME960-36	MEC Flex-vent Kit - Fixed Ends - 3ft
ME960-48	MEC Flex-vent Kit - Fixed Ends - 4ft
ME960-72	MEC Flex-vent Kit - Fixed Ends - 6ft
ME960-120	MEC Flex-vent Kit - Universal Outlet (not crimped) -10ft
ME960-120C	MEC Flex-vent Kit - Universal Outlet (crimped) -10ft

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Shop online at **www.TeecoProducts.com**

TEE MANIFOLDS

TEE MANIFOLDS

MEP456A

1700A

1701B

1702B

Part no.	Inlets	Outlet	Nut Size	Check
1701A	F POL	M HARD NOSE POL	7/8"	Yes
1702A	F POL	M HARD NOSE POL	1-1/8"	Yes
ME1705A	F POL	1/4" MNPT	-	Yes
1700A	1/4" F INV FL	1/4" MNPT	-	Yes
MEP456A	1/4" F INV FL	1/4" MNPT	-	Manual Throwover

MULTIPLE CYLINDER TEE BLOCK MANIFOLDS

Part no.	Inlets	Outlet	Nut Size	Check
1701B	F POL	M HARD NOSE POL	7/8"	No
1702B	F POL	M HARD NOSE POL	1-1/8"	No
1701B-SN	F POL	M SOFT NOSE POL	7/8"	No
1701X	F POL	M 0.9 GPM EXCESS FLOW HARD NOSE POL	7/8"	Yes
1701B-X-SN	F POL	M 0.9 GPM EXCESS FLOW SOFT NOSE POL	7/8"	Yes
ME1704B	F POL	FPOL	1-1/8"	No
1700B	1/4" F INV FL	1/4" MNPT	-	No

MOUNTING BRACKETS

Part no.	Compatible Regs	
MEGR-100C	Full size or compact MEC, or R622, R632, R642 and R622H series	Universal Bowtie

MEGR-100C

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Hose Barb Fittings & Adapters

1"-20 SWIVEL ADAPTER

Hose barb by 1"-20 swivel adapter for connection of 1lb propane bottles to hoses
Must use ferrule and crimp hose on barb end

ME-496

Part no.	Hose I.D.	Description
ME-484	1/4"	Female 1"-20 Swivel
ME-496	1/4"	Male 1"-20 Swivel

POL BY HOSE BARB CONNECTORS

Hose barb by POL thread fitting for hoses to connect to propane tank service valves, with or without excess flow protection and hand wheels.
Must use ferrule and crimp hose on barb end.

ME1656

ME5930

Part no.	Hose I.D.	Outlet
ME5930	1/4"	POL
ME1683	1/4"	POL w/ Excess Flow Check
ME1656	1/4"	POL w/ Handwheel (plastic)
ME1655	1/4"	Handwheel & Excess Flow Check

TYPE 1 (QCC) BY HOSE BARB CONNECTORS

Hose barb by Type 1 QCC thread fitting for hoses to hook into portable Propane tank service valves with Type 1 QCC service valves
Must use ferrule and crimp hose on barb end

ME517-25H

Part no.	Hose I.D.	Outlet
ME517-25H	1/4"	QCC Nut x 1/4" Barb, 100,000 BTU Black
ME518-25H	1/4"	QCC Nut x 1/4" Barb, 200,000 BTU Green
ME518-38H	3/8"	QCC Nut x 3/8" Barb, 200,000 BTU Green
ME519-38H	3/8"	QCC Nut x 3/8" Barb, 400,000 BTU Red

FEMALE FLARE SWIVEL BY HOSE BARB CONNECTORS

Hose barb by Female Flare thread swivel fitting for hoses
Must use ferrule and crimp hose on barb end

Part no.	Hose I.D.	Thread size
ME4355	3/8"	3/8" O.D.
ME5357	3/8"	1/2" O.D.

MALE FLARE BY HOSE BARB CONNECTORS

Hose barb by Male Flare thread fitting for hoses
Must use ferrule and crimp hose on barb end

Part no.	Hose I.D.	Thread size
ME4855	3/8"	3/8" O.D.

HOSE BARB SPLICER

Hose barb by hose barb fitting for splicing hoses. Must use ferrule and crimp hose on barb ends

ME27C

Part no.	Hose Size
ME27C	1/4" I.D x 1/4" I.D.
ME27E	3/8" I.D. x 3/8" I.D.

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POL Fittings & Adapters

MALE POL ADAPTERS

Male POL fitting for adapting from a POL service valve to copper tubing or pipe.
Hard nose designed for brass on brass seal

ME1650

Part no.	Size
ME1650	MPOL x 9/16"-18 LH
ME345	90 Deg MPOL x 1/4"
ME357	MPOL x 1/2" FNPT
ME352	MPOL x 3/8" MNPT
ME353	MPOL x 3/8" Flare
ME355	MPOL x 1/2" Flare
ME356	MPOL x 5/8" Flare
ME1002B	7/8" Hex POL Nut Only
ME1002A	1/4" Tail Piece of 858

ME357

ME353

MALE POL WITH SOFT NOSE (O-RING) SEAL AND HAND WHEEL ADAPTOR

Male POL adapter with rubber o-ring for seal and hand wheel to connect propane tank service valve to pipe.

ME475

Part no.	Excess flow	Full Flow	Hand Wheel	Size Description
ME1645	X		X	Soft Nose POL x 9/16"-18LH
ME1653	X		X	Soft Nose POL x 1/4" MNPT
ME1654AR		X	Brass	Soft Nose POL x 1/4" MNPT
ME475		60 Orifice	X	Soft Nose POL with Hand Wheel x 1"-20 Male

POL CAPS & PLUGS -BRASS

Brass Plugs and Caps for POL service valves and cap for Male POL fittings

Part no.	Size
ME1691	MPOL Plug- 7/8" Hex

ME1691

CGA 555 LIQUID PROPANE ADAPTORS

Formerly A982 Connection: Liquid propane service valve adapters to connect to pipe

Part no.	Valve Connection	Outlet Thread Size
M307	FEM. 555	9/16"-18LH
ME307	MPOL	M. 555
ME309-1	FEM. 555 Cap & Chain assembly	

FEMALE POL ADAPTOR

Female POL adapter to connect male pigtail or POL fitting to pipe

Part no.	Thread size
ME301	FPOL x 1/4" FNPT
ME303	FPOL x 1/2" FNPT
ME304	FPOLx 3/4" FNPT
ME305	FPOL x FPOL
ME284	FPOL x 1/4" MNPT
ME285	FPOL x 3/8" MNPT
ME286	FPOL x 1/2" MNPT
ME287	FPOL x 3/4" MNPT

EXCESS FLOW MANIFOLD ADAPTERS

Allows manifolding of ASME containers while providing excess flow protection for the container vapor outlets.

ME353EX9

Part no.	Inlet	Outlet	Closing Flow
ME353EX9	MPOL	3/8" M. FL	0.9 GPM
ME353EX18	MPOL	3/8" M. FL	1.8 GPM
ME354EX9	MPOL	1/2" MPT	0.9 GPM
ME354EX18	MPOL	1/2" MPT	1.8 GPM
ME355EX9	MPOL	1/2" M. FL	0.9 GPM
ME355EX18	MPOL	1/2" M. FL	1.8 GPM
ME356EX9	MPOL	5/8" M. FL	0.9 GPM
ME356EX18	MPOL	5/8" M. FL	1.8 GPM

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Type 1 (QCC) Fittings, 1-5/16" ACME

TECH TIP: TYPE 1 (QCC) connectors used for BBQ's and other outdoor appliances incorporate an internal excess flow check valve. Open the container valve slowly. If the valve is opened too quickly, the excess flow device will be activated closing the flow of propane to the appliance. If the excess flow valve is activated, close the appliance control valves and container valve. Wait 60 seconds to allow pressure in the line to equalize. Open the container valve slowly and attempt to light the appliance.

For safety reasons, always turn the cylinder valve off when done with use.

POL X TYPE 1 (QCC) ADAPTER

Converts POL cylinder valve to a Type 1 (QCC) outlet

Part no.	Description
ME398	MPOL x Male QCC

ME398

TYPE 1 QCC ADAPTORS

Adapts Type 1 (QCC) to 1/4" male and female thread

Part no.	Description	Shut off Device
ME399	Male QCC x 1/4" MNPT	Quick Close
ME393-1	Male QCC x 1/4" FNPT	Quick Close
ME393-EX	Male QCC x 1/4" MNPT with Excess flow	Quick Close

ME393-1

ME399

RV TYPE 1 ACME PIGTAILS

Used for connecting portable LP cylinder with RV regulators, Type 1 (QCC) to rubber hose to inverted flare or MNPT. Heat sensitive bushing with a melting point of 240 to 300° F is available by adding H to part number. UL-CGA Listed flow limiting device providing protection and limiting flow to 10 SCFH.

MER425 SERIES

Part no.	Description
MER425-12	Type1 ACME x 1/4" Inverted Flare 12" length
MER425-15	Type1 ACME x 1/4" Inverted Flare 15" length
MER425-18	Type1 ACME x 1/4" Inverted Flare 18" length
MER425-20	Type1 ACME x 1/4" Inverted Flare 20" length
MER425-24	Type1 ACME x 1/4" Inverted Flare 24" length
MER425-30	Type1 ACME x 1/4" Inverted Flare 30" length
MER425-36	Type1 ACME x 1/4" Inverted Flare 36" length
MER425-60	Type1 ACME x 1/4" Inverted Flare 60" length
MER426-20	Type1 ACME x 1/4" MNPT 20" length
MER426H-20	Type1 ACME x 1/4" MNPT w thermal protection

TYPE 1 (QCC) COUPLINGS

- Used for connecting regulators or hoses to Type 1 (QCC) portable cylinder valves
- 3 flow capacity options for greater protection in all types of applications
- Thermal sensitive sleeve protects against uncontrolled release in a fire. **Sleeve will soften and back check valve will push the coupling off of the tank.**

QCC COUPLING

Part no.	Description	Flow Restricition	Color
ME517	QCC Nut x 1/4" NPT	100,000 BTU	Black
ME518	QCC Nut x 1/4" NPT	200,000 BTU	Green
ME519	QCC Nut x 1/4" NPT	400,000 BTU	Red
EVACUATION COUPLING			
ME517EV	QCC Nut for Evacuation Only	Full Flow	Black

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Hose Assemblies and 1"-20 Fittings

1"-20 HOSE ASSEMBLIES

- Tested and listed hose assemblies for adapting 1 lbs bottle connections
- Multiple lengths and connections
- 1/4" Inside diameter

MER407 SERIES

MER421 SERIES

Part no.	Length	Description
MER421-60	5 ft.	1"-20 Male x Female
MER421-144	12 ft.	
MER407-36	3 ft.	POL x 1"-20 Male
MER407-48	4 ft.	
MER407-60	5 ft.	
MER407-72	6 ft.	
MER407-144	12 ft.	
MER408-60	5 ft.	9/16"-18 LH x 9/16"-18 LH
MER408-144	12 ft.	
MER410-24	24 in.	3/8" MNPT x 3/8" Female Flare
MER410-30	30 in.	
MER410-48	48 in.	

1"-20 BRASS FITTINGS

Part no.	Description
ME487	FPOL x 1"-20 Female
ME488	1"-20 Male x 1/4" MNPT
ME492	1"-20 Male x 1/4" FNPT
ME417	1"-20 Male x 1/4" MNPT with Check and o-ring
ME493	1"-20 Male x 9/16"-18LH with Check and o-ring
ME494	1"-20 Male x 9/16"-18LH

ME417

ME487

ME488

ME492

ME493

ME494

1"-20 ADAPTOR TEE, CONNECTORS AND CAP

Part no.	Description
ME412	Female 1-5/16" ACME x 1"-20 Male x 1"-20 Male
ME413	MPOL x 1"-20 Male (2)
ME414	1"-20 Female X 1"-20 Male (2)
ME415	FPOL x MPOL x 1"-20 Male
ME420	ME415 with 1/4" female inverted flare side outlet
ME475	Softnose Handwheel POL x 1"-20 Male
ME483	1"-20 Female Cap
SECOND CHANCE GRILL ADAPTER	
ME480	Female 1" -20 x 1-5/16" Male ACME

ME412

ME413

ME414

ME415

ME420

ME475

ME480

ME483

RV AND CAMPING HOSE KITS: FLOW LONGER KIT & STAY LONGER KIT

- Adaptor tees and hoses for adapting a camping outdoor appliance on to the camper gas system
- Adaptor and hose to attached a portable cylinder to the RV gas system

MER471

MER472

Part no.	Adaptor Kit	Kit Contains
MER470	Flow Longer Kit	ME415 tee and ME421-144
MER471	Flow Longer Kit-Plus Kit	G-423P and ME421-144
MER472	Stay Longer Kit	ME420 Tee 5' pigtail w/ MPOL x 1/4" inverted flare, rods
MER473	Stay Longer Kit-Plus Kit	ME420 Tee 5' pigtail w/ MPOL x 1/4" inverted flare, rods and ME421-144

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Outlet Boxes

MARSHALLEXCELSIOR
innovation made simple

MEC GAS OUTLET BOX

Utilizes standard LP gas outdoor appliance regulator and connector. Both models provide full capacity at 10 psi or higher inlet pressure for all outdoor appliances without modification. Allows for operation from an existing gas system simply thread the Type 1 QCC or POL connector onto the MEC Gas Box and turn on the shut off valve.

Features:

- Universal 1-5/16" M ACME/ FPOL outlet connection
- Universal 1/2" FNPT inlet connection
- Primary shutoff valve for each outlet connection
- Secondary safety shutoff poppet at each outlet for zero discharge at disconnect
- For use with 10-250 PSI inlet pressure
- Universal Mounting Hardware
- Hinged Cover with Latching Mechanism
- Weather resistant Nylon case

Part no.	Description	Color
ME951BLK	Single, 1-5/16" Male ACME/FPOL with 1/2" FNPT inlet	Black
ME951GRY	Single, 1-5/16" Male ACME/FPOL with 1/2" FNPT inlet	Grey
ME951IVY	Single, 1-5/16" Male ACME/FPOL with 1/2" FNPT inlet	Ivory
ME952BLK	Dual, 1-5/16" Male ACME/FPOL with 1/2" FNPT inlet	Black
ME952GRY	Dual, 1-5/16" Male ACME/FPOL with 1/2" FNPT inlet	Grey
ME952IVY	Dual, 1-5/16" Male ACME/FPOL with 1/2" FNPT inlet	Ivory

MEC GAS OUTLET BOX ACCESSORIES

Part no.	Description	Length
MER428-60	Extension Hose assembly M.QCC/FPOL x F.QCC	60"
MER428-120	Extension Hose assembly M.QCC/FPOL x F.QCC	120"

ME952GRY

Motor Fuel Hose Couplings

TWO-BOLT CLAMP TYPE HOSE COUPLING

Part no.	Hose I.D.	Thread size
ME3162-08	1/2"	1/2"
ME3162-12	3/4"	3/4"
ME3162-16	1"	1"
ME3162-20	1-1/4"	1-1/4"
ME3162-24	1-1/2"	1-1/2"
ME3162-32	2"	2"

ME3162 SERIES

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Shop online at **www.TeecoProducts.com**

ACME Filler Couplings

ACME BRASS FILLER COUPLINGS

Part no.	Type of ACME Nut	Description
ME790	Knurled Brass Nut	1-1/4" F ACME x 1/4" MNPT
ME100		1-1/4" F ACME x 3/8" MNPT
ME101		1-1/4" F ACME x 1/2" MNPT
ME110		1-3/4" F ACME x 1/2" MNPT
ME111		1-3/4" F ACME x 3/4" MNPT
ME112		1-3/4" F ACME x 1" MNPT
ME110C	EZ Grip Brass Wing Nut	1-3/4" F ACME x 1/2" MNPT
ME111C		1-3/4" F ACME x 3/4" MNPT
ME112C		1-3/4" F ACME x 1" MNPT
ME120		2-1/4" F ACME x 1-1/4" MNPT
ME120S		2-1/4" F ACME x 1-1/4" MNPT Steel Nipple
ME130		3-1/4" F ACME x 2" MNPT Steel Nipple
ME130A		3-1/4" F ACME x 2" MNPT w/ Screen
ME130-WR		3-1/4" F ACME x 2" MNPT w/ Ring
-		4-1/4" F ACME x 3" MNPT

ME100

ME130

ACME STEEL FILLER COUPLINGS

Part no.	Type of ACME Nut	Description
ME635-4	Heavy Duty Grip Steel	1-3/4" F ACME X 1/2" MNPT
ME635-6		1-3/4" F ACME X 3/4" MNPT
ME635-8		1-3/4" F ACME x 1" MNPT
ME635-10		1-3/4" F ACME x 1-1/4" MNPT
ME111S	Knurled Steel Nut	1-3/4" F ACME x 3/4" MNPT
ME112S		1-3/4" F ACME x 1" MNPT
ME111SC	EZ Grip Steel Wing Nut	1-3/4" F ACME x 3/4" MNPT
ME112SC		1-3/4" F ACME x 1" MNPT
ME113SC		1-3/4" F ACME x 3/4" FNPT
ME121S		2-1/4" F ACME x 1-1/4" MNPT
ME130S		3-1/4" F ACME x 2" MNPT
-		4-1/4" F ACME x 3" MNPT w/ Screen

ME635-6

ME111S

ME130S

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ACME Filler Couplings

ACME BRASS VAPOR COUPLINGS

Part no.	Description
ME140	1-1/4" F ACME X 3/8" MNPT Vapor Return
ME141	1-1/4" F ACME x 1/2" MNPT Vapor Return
ME150	1-3/4" F ACME x 3/4" MNPT Vapor Return
ME151	1-3/4" F ACME x 1" MNPT Vapor Return
ME160	2-1/4" F ACME x 1-1/4" MNPT Vapor Return - Brass w/ Steel Nipple

ME141

ME160S

ACME STEEL VAPOR COUPLINGS

Part no.	Description
ME141S	1-1/4" F ACME x 1/2" MNPT Vapor Return
ME150S	1-3/4" F ACME x 3/4" MNPT Vapor Return
ME646-4	1-3/4" F ACME x 1/2" MNPT Vapor Return- 7" O.A.L.
ME646-6	1-3/4" F ACME x 1" MNPT Vapor Return- 7" O.A.L.
ME646-8	1-3/4" F ACME x 1" MNPT Vapor Return-7" O.A.L.
ME646-10	1-3/4" F ACME x 1-1/4" MNPT Vapor Return- 7" O.A.L.
ME151S	1-3/4" F ACME x 1" MNPT Vapor Return- 3-1/4" O.A.L.
ME160S	2-1/4" F ACME x 1-1/4" MNPT Vapor Return- 3-3/8" O.A.L.

ME646-10

SWIVEL ACME HOSE COUPLING

Part no.	Material	Hose I.D.	F. ACME Size
ME3162-32S	Steel	2"	3-1/4"
ME3162-32B	Brass	2"	3-1/4"

ME3162 SERIES

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ACME Adapters

ACME BRASS MALE ACME X MPT ADAPTOR

Part no.	Description
ME498-4/2*	1-1/4" M ACME x 1/2" MNPT x 1/4 FNPT ADAPTOR
ME498-6/3*	1-1/4" M ACME x 3/4" MNPT x 3/8 FNPT ADAPTOR
ME215	1-3/4" M ACME x 3/4" MNPT ADAPTOR
ME216	1-3/4" M ACME x 1" MNPT ADAPTOR
ME217	1-3/4" M ACME x 1-1/4" MNPT ADAPTOR
ME217A	1-3/4" M ACME x 1-1/4" MNPT ADAPTOR WITH SCREEN
ME233	2-1/4" M ACME x 1-1/4" MNPT ADAPTOR
ME502-12/8*	2-1/4" M ACME x 1-1/2" MNPT x 1" FNPT ADAPTOR
ME502-16/10*	2-1/4" M ACME x 2" MNPT x 1-1/4 FNPT ADAPTOR
ME502-16/12*	2-1/4" M ACME x 2" MNPT x 1-1/2 FNPT ADAPTOR
ME503-16	3-1/4" M ACME x 2" MNPT ADAPTOR
ME503A-16	3-1/4" M ACME x 2" MNPT ADAPTOR with SCREEN
ME503-20	3-1/4" M ACME x 2-1/2" MNPT ADAPTOR
ME262	3-1/4" M ACME x 3" MNPT ADAPTOR
ME262A	3-1/4" M ACME x 3" MNPT ADAPTOR with SCREEN

** NPT pipe threads are dual threaded male and female*

ME503-16

ME503A-16

ACME BRASS ADAPTOR WITH VENT VALVES

ME503JB-16

Part no.	Description
ME252JB-16	3-1/4" M Acme X 2" FNPT with Brass Vent Valve
ME252AJB-16	3-1/4" M Acme X 2" FNPT with Screen and Brass Vent Valve
ME503JB-16	3-1/4" M Acme X 2" MNPT with Brass Vent Valve
ME503AJB-16	3-1/4" M Acme X 2" MNPT with Screen and Brass Vent Valve

ACME ADAPTOR WITH SS VENT VALVES

ME503JS

Part no.	Description
ME252JS-16	3-1/4" M ACME X 2" FNPT Stainless Steel
ME252SJS-16	3-1/4" M ACME X 2" FNPT Stainless Steel w Vent Valve
ME252AJS-16	3-1/4" M ACME X 2" FNPT Stainless Steel w Vent Valve & Screen
ME503SJS-16	3-1/4" M ACME X 2" MNPT Stainless Steel w Vent
ME503JS-16	3-1/4" M ACME X 2" MNPT Stainless Steel
ME503AJS-16	3-1/4" M ACME X 2" MNPT Stainless Steel with Screen & Vent Valve

ACME BRASS MALE X FNPT ADAPTOR

Part no.	Description
ME192	1-1/4" M ACME x 1/2" FNPT
ME193	1-1/4" M ACME x 3/4" FNPT
ME210	1-3/4" M ACME x 1/4" FNPT
ME211	1-3/4" M ACME x 3/8" FNPT
ME212	1-3/4" M ACME x 1/2" FNPT
ME213	1-3/4" M ACME x 3/4" FNPT
ME214	1-3/4" M ACME x 1" FNPT
ME250	3-1/4" M ACME x 1-1/4" FNPT
ME250A	3-1/4" M ACME x 1-1/4" FNPT with Screen
ME251	3-1/4" M ACME x 1-1/2" FNPT
ME252-16	3-1/4" M ACME x 2" FNPT
ME252A-16	3-1/4" M ACME x 2" FNPT w Screen
ME498-4/2*	1-1/4" M ACME x 1/4" FNPT x 1/2" MNPT
ME498-6/3*	1-1/4" M ACME x 3/8" FNPT x 3/4" MNPT
ME502-12/8*	2-1/4" M ACME x 1" FNPT x 1-1/2" MNPT
ME502-16/10*	2-1/4" M ACME x 1-1/4" FNPT x 2" MNPT
ME502-16/12*	2-1/4" M ACME x 1-1/2" FNPT x 2" MNPT
ME508-24	3-1/4" M ACME x 3" FNPT
ME508A-24	3-1/4" M ACME x 3" FNPT with Screen

** NPT pipe threads are dual threaded, Female & Male.*

ME252-16

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ACME Adapters

ACME STEEL MALE X MNPT ADAPTOR

Part no.	Description
ME520S-8	1-1/4" M ACME x 1" MNPT
ME521S-4	1-3/4" M ACME x 1/2" MNPT
ME215S	1-3/4" M ACME x 3/4" MNPT
ME216S	1-3/4" M ACME x 1" MNPT
ME217S	1-3/4" M ACME x 1-1/4" MNPT
ME233S	2-1/4" M ACME x 1-1/4" MNPT
ME502S-16/10 *	2-1/4" M ACME x 2" MNPT x 1-1/4" FNPT
ME503S-16	3-1/4" M ACME x 2" MNPT
ME262S	3-1/4" M ACME x 3" MNPT

** NPT Pipe threads are dual threaded male & female*

ME503S-16

ACME STEEL MALE X FNPT ADAPTOR

Part no.	Description
ME213S	1-3/4" M ACME x 3/4" FNPT
ME214S	1-3/4" M ACME x 1" FNPT
ME502S-16/10*	2-1/4" M ACME x 1-1/4" FNPT x 2" MNPT
ME252S-16	3-1/4" M ACME x 2" FNPT
ME508S-24	3-1/4" M ACME x 3" FNPT

** NPT Pipe threads are dual threaded male & female*

ME213S

ACME BRASS MALE ACME ADAPTOR

Part no.	Description
ME270	1-1/4" M ACME x 1-1/4" M ACME
ME273	1-3/4" M ACME x 1-3/4" M ACME
ME275	2-1/4" M ACME x 2-1/4" M ACME
ME277	3-1/4" M ACME x 3-1/4" M ACME

ME277

ACME STEEL MALE ACME ADAPTOR

Part no.	Description
ME273S	1-3/4" M ACME x 1-3/4" M ACME
ME275S	2-1/4" M ACME x 2-1/4" M ACME
ME277S	3-1/4" M ACME x 3-1/4" M ACME

ME277S

ACME BRASS ADAPTOR

Part no.	Description
ME611	2-1/4" F ACME x 1-3/4" M ACME
ME612	3-1/4" F ACME x 1-3/4" M ACME
ME442	3-1/4" F ACME x 1-1/4" FNPT
ME614	3-1/4" F ACME x 2-1/4" M ACME
ME623	4-1/4" F ACME x 3-1/4" M ACME

ME612

ACME STEEL ADAPTOR

Part no.	Description
ME611S	2-1/4" F ACME x 1-3/4" M ACME
ME612S	3-1/4" F ACME x 1-3/4" M ACME
ME442S	3-1/4" F ACME x 1-1/4" FNPT
ME614S	3-1/4" F ACME x 2-1/4" M ACME

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ACME Caps

ACME METAL CAPS

Marshall Excelsior Part No.	Type of ACME Nut	Description
ME220FP	Knurled Brass	1-1/4" F ACME Cap
ME229	Knurled Brass	1-3/4" F ACME Cap
ME229-1	Knurled Brass	1-3/4" F ACME Cap with Ring and Chain
ME229S	Knurled Steel	1-3/4" F ACME Cap
ME229S-1	Knurled Steel	1-3/4" F ACME Cap with Ring and Chain
ME229F	Wing Nut Brass	1-3/4" F ACME Cap
ME229F-1C	Knurled Brass	1-3/4" F ACME Cap with Cable
ME229FS	Wing Nut Steel	1-3/4" F ACME Cap
ME229FS-1	Wing Nut Steel	1-3/4" F ACME Cap with Ring and Chain
ME229FS-1C	Knurled Steel	1-3/4" F ACME Cap with Cable
ME431	Wing Nut Brass	2-1/4" F ACME w/ Knob Plug
ME431F-1C	Wing Nut Brass	2-1/4" F ACME w/ Knob Plug with Ring and Cable
ME431FS	Wing Nut Steel	2-1/4" F ACME w/ Knob Plug
ME431FS-1	Wing Nut Steel	2-1/4" F ACME w/ Knob Plug with Ring and Chain
ME441F	Wing Nut Brass	3-1/4" F ACME Cap w/ Knob Plug
ME441F-1C	Wing Nut Brass	3-1/4" F ACME Cap with Cable
ME441FS	Wing Nut Steel	3-1/4" F ACME Cap w/ Knob Plug
ME441FS-1	Wing Nut Steel	3-1/4" F ACME Cap w/ Knob Plug Ring and Chain

ME229

ME431FS-1

ACME PLASTIC CAPS

Part no.	Description
ME106	3-1/4" F ACME Dust Cap Yellow Plastic
ME106-1	3-1/4" F ACME Dust Cap Yellow Plastic w/ Ring and chain
ME108	1-1/4" F ACME Cap Yellow Plastic
ME108-1	1-1/4" F ACME Cap Yellow Plastic w/ Ring and chain
ME109	1-3/4" F ACME Cap Yellow Plastic
ME109-1	1-3/4" F ACME Cap Yellow Plastic w/ Ring and chain

ME108-1

ACME CAPS WITH FLANGE

Part no.				F. ACME	Flange Diameter
Brass		Steel			
Cap w/ Flange	Cap w/ Flange & Cable	Cap w/ Flange	Cap w/ Flange & Cable		
ME229F5	ME229F5-1C	ME229FS5	ME229FS5-1C	1-3/4"	5"
ME441F8	ME441F8-1C	ME441FS8	ME441FS8-1C	3-1/4"	8"

ME229F5-1C

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ACME Tools, Wear Gauges, and Accessories

HEAVY DUTY SPANNER WRENCH

Aluminum ACME Spanner wrench for 1-3/4", 2-1/2", 3-1/4", and 4-1/4" Female ACME Caps.

Part No.	Description
MEP120B	17-1/2" long Aluminum ACME Wench

MEP120B

CHAINS AND CABLES FOR CAPS AND PLUGS

Fits	Part no.	Type
1-1/4" ACME Cap & Plug	MEP147*	Chain
1-3/4" ACME Plug	MEP147*	Chain
1-3/4" ACME Cap and Plug	MEP148**	Chain
2-1/4" ACME Plug	MEP148**	Chain
2-1/4" ACME Cap	MEP168	Cable
3-1/4" ACME Plug	MEP183	Chain
2-1/4" ACME Cap	MEP168	Cable
4-1/4" ACME Plug	MEP168	Cable

**P147 & MEP147 ring fits over 3/4" MNPT*
***P148 & MEP148 ring fits over 1-1/4" MNPT*

MEP147

MEP167

MEP168

ACME DUST PLUGS

Part no.									M. ACME
Aluminum			Brass			Plastic			
Plug Only	Chain Only	Plug w/ Chain	Plug Only	Chain Only	Plug w/ Chain	Plug Only	Chain Only	Plug w/ Chain	
-	-	-	ME178B	MEP148	ME178B-1	ME178	MEP147	ME178-1	1-1/4"
ME239	MEP148	ME239-1	ME179	MEP148	ME179B-1	ME179	MEP148	ME179-1	1-3/4"
-	-	-	ME180B	MEP168	ME180B-1	ME180	MEP148	ME180-1	2-1/4"
-	-	-	ME181B	MEP168	ME181B-1	ME181	ME183	ME181-1	3-1/4"

ME179-1

ME181B

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Hose End & Toggle Valves

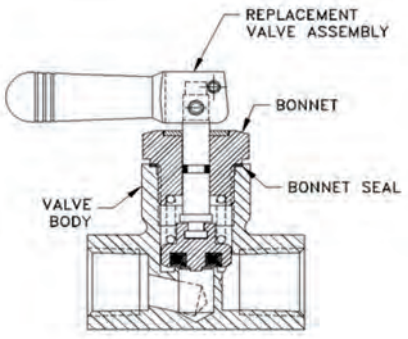
ME791 TOGGLE VALVE

Marshall Excelsior Quick acting hose end valve features standard or Locking device on the handle, Positive shut-off, and maximum flow.

Part no.		Inlet	Outlet	Vent Valve
Without Lock	With Lock			
ME791C	ME792C	1/2"	1/4"	No
ME791CJ	ME792CJ	1/2"	1/4"	Yes
ME791D	ME792D	1/2"	1/2"	No
ME791DJ	ME792DJ	1/2"	1/2"	Yes

TECH TIP: NFPA 58 requires a listed quick-acting shutoff valve to be installed at the discharge end of a transfer hose on a vehicle fuel dispensing and dispensing systems.

ME791 SERIES



MARSHALL EXCELSIOR DISPENSING VALVES

- Quick Opening and Closing action with locking mechanism
- Stainless Bleed valve included
- All Steel and Stainless components

ME820-6

Part no.	Size	Ports	Bleed Valve Installed
Angle			
ME810-4	1/2"	1	Yes
ME810-6	3/4"	1	Yes
ME810-8	1"	1	Yes
Globe			
ME820-4	1/2"	1	Yes
ME820-6	3/4"	1	Yes
ME820-8	1"	1	Yes
Economy Globe			
ME821-4	1/2"	2	No
ME821-6	3/4"	2	No
ME821B-4	1/2"	2	Yes
ME821B-6	3/4"	2	Yes

TECH TIP: Add ME850 series Swivel to prevent hose kinking.

REPAIR KITS

Part no.	Description
ME800-HRK	Handle Repair Kit, ME800, ME810, & ME820 Series
ME791K	Non-Locking Series Bonnet Repair Kit, ME791 Series
ME792K	Locking Series Bonnet Repair Kit, ME792 Series

MARSHALL EXCELSIOR BOBTAIL HOSE END VALVE

- Pressure tested to 600 PSIG
- User friendly handles
- Quick Opening and Closing action with locking mechanism
- Extremely Low gas loss
- All Steel and Stainless construction

ME800

Part no.	Size	Description
ME800	1" x 1-3/4"	Bobtail hose end valve
ME800WS	1" x 1-3/4"	with swivel installed
ME800C	1" x 1-3/4"	With composite handle
ME800CWS	1" x 1-3/4"	With composite handle and swivel
ME800G	1" x 1-3/4"	Fluted Handle (REGO style)
ME800GWS	1" x 1-3/4"	Fluted Handle and swivel (REGO style)
ME800EXT	1" x 1-3/4"	Extended version
ME800EXTWS	1" x 1-3/4"	Extended version with swivel
ME800-SARK	1" x 1-3/4"	Stem Assembly repair Kit
ME800-LSRK	1" x 1-3/4"	Lower seal repair Kit

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Filler Couplings and Adapters

FILLER HOSE ADAPTORS

Hose End Check Adaptors which may be left on the tank filler valve in case of valve failure. All Models have an integral breakaway feature in case of a truck roll away that will leave the check intact on the tank.

Part no.	Style	Swivel	Bleed Valve Installed
ME570	COMPACT	NO	NO
ME571	TALL	NO	NO
ME572	COMPACT	YES	NO
ME574	TALL	YES	YES
ME571H*	TALL	NO	NO

** ME571H is a high flow adaptor up to 86 GPM*

ME571H

ME574

EXTENDED FILLER HOSE ADAPTOR

- 7" Extension
- Eliminates unsafe stacking of Multiple check adaptors
- Integral break away feature

Part no.	Description
ME572EXT	Standard Handle
ME572EXTHD	Heavy Duty Handle
ME574EXT	Standard Handle with Bleeder
ME574EXTHD	Heavy Duty Handle with Bleeder

ME572EXTHD

ME574EXT

FLO-MAX FULL FLOW FILLER HOSE ADAPTOR

- Up to 30% higher flow rates through full port body
- Includes key for shutoff valve

Part no.	Description
ME578	1-3/4" F ACME Swivel x 1-3/4" M ACME
ME578-02	Replacement KEY and ring

ME578

FILLER HOSE ADAPTORS

Intended for the outlet of bobtail truck filling hose. The M570 & ME570 enables the filling hose to be removed if the filler valve fails to close.

Part no.	Description
ME570	1-3/4" ACME Filler Hose Adaptor
ME571-06	Replacement outer washer for ME570
ME571-2.03	Replacement inner washer for ME570

ME570

MARSHALL POL FILLER COUPLINGS

Soft Nose POL Coupling for Hand Tight O-ring seal

Part no.	INLET	OUTLET	Length	Type
ME390	1/4" MNPT	POL	6"	Heavy Duty
ME390S	1/4" MNPT	POL	6"	Heavy Duty

**All brass shafts, except ME390S, which has a steel shaft*

ME390

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Filler Couplings and Adapters

MARSHALL POL FILLER ADAPTOR

Adapts POL Filler coupling to 1-3/4" ACME or QCC type 1

Part no.	Description
ME568	F POL x 1-3/4" ACME Adaptor
ME392	F POL x 1-5/16" QCC type 1 Adaptor
ME394	FPOL x 1-5/16" M QCC Type 1 Adaptor

ME392

TYPE 1 FILLER COUPLING

Part no.	Description
ME515	1/4" x Type 1 w/ Knurled handle
ME516	1/4" x Type 1 w/ Forged handle
ME516S	1/4" x Type 1 w/ SS nipple
ME796	Quick fill adaptor

ME516

ME796

TYPE 1 QCC FILLER ADAPTOR

Adapts to QCC type 1 (QCC 1-5/16") filler adaptors to POL, Fork Lift, or 1-3/4" ACME valves

Part no.	Description
ME393	Male QCC x MPOL w/ hand wheel
ME393-1	1-5/16" M ACME x 1/4" FPT Adaptor
ME394	Male QCC x Female 1-1/4" Fork lift
ME569	Male QCC x Female 1-3/4" ACME

ME394

FORK TRUCK OR LIFT TRUCK FILLER COUPLINGS

Extended motor fuel filling connector permits fast, easy connection through the cylinder collar. Available with FPOL inlet.

Part no.	INLET	OUTLET
ME790	1/4" MNPT	1-1/4 ACME M.F.

ME790

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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.

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 vale. 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.

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

ACCESSORIES

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

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.

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

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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.

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.

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.

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.

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

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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.

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

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.

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 multiport 420-lb. DOT containers. Protective cap MEPS-UEP16Y included. Supplied with Everseal pre-applied thread sealant

Part no.	Desscription	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

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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

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 .

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.

MEJ602H

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

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Shop online at **www.TeecoProducts.com**

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

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

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 Exess 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 Exess Flow	3/4"	3/4"	Yes	N/A	ME449X-110-KIT	MEJ400, MEJ400SC, MEJ400/72, MEJ402S	19.5	Brass

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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.

ME458

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" MNPT	Brass	–
ME458S	LPG/NH3 Rated Liquid Transfer Adapter	1-5/8" UNF	3/4" FNPT	Steel	ME458-03

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.

ME460

Part no.	Description	Inlet	Outlet	Material
ME459	Liquid Withdrawal Check Valve	3/4" Female	1-5/8" UNF Male	Brass
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

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.

ME673DEX-6SP

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

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

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

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MEC DOT MOTOR FUEL CYLINDER SERVICE VALVES

Intended for vapor or liquid withdrawal service on DOT forklift or engine fuel containers. Two closing flow rates are offered – 1.6 GPM for medium to light duty vehicles and 2.6 GPM for those with greater fuel demands.

Part no.	Description	Inlet	Outlet	Excess Flow	Wrench	Repair Kit
ME9101P5	Forklift Service Valve	3/4" MNPT	3/8" MNPT	1.6 GPM	MEP125	ME9101P5BRK
ME9101P5H	Forklift Service Valve	3/4" MNPT	3/8" MNPT	2.6 GPM	MEP125	ME9101P5BRK
ME9101H4	Forklift Service Valve	3/4" MNPT	3/8" M Flare	1.6 GPM	MEP125	ME9101BRK
ME9101H6	Forklift Service Valve	3/4" MNPT	3/8" M Flare	2.6 GPM	MEP125	ME9101BRK

ME9101P5H

MEP125

MEC ENGINE FUEL FILLER VALVES AND CONNECTIONS

ME220F Series has a durable riveted valve stem, chrome plated body and wrench flats for easy installation. ME220M has two seals – an O-ring to minimize product loss during connection and a gasket to seal the two connections during the filling operations.

Part no.	Description	Inlet	Outlet	Application	Protective Brass Cap
ME220M	Male Forklift Connector	3/8" FNPT	1-1/4" M. Acme	Service Valve	ME220FP
ME220F	Female Forklift Connector	1-1/4" F. Acme	1/4" FNPT	Fuel Line	-
ME220ML	Quick Closing Vapor Service Forklift Connector	3/8" FNPT	1-1/4" M. LH Acme	Service Valve	ME220FLP
ME790	Filler Coupling Forklift Adapter	1-1/4"F. Acme	1/4" MNPT	Filler Valve	-

ME220M

MEC DOT FULL INTERNAL PRESSURE RELIEF VALVES

Designed for use on forklift cylinders and other DOT removable cylinders up to 122 pounds of LP-Gas capacity. The working components of this valve are located inside the tank reducing possible malfunction caused by outside debris or other foreign materials.

TECH TIP: NFPA #58 states, "All containers used in industrial trucks (including fork lift truck cylinders) service shall have the container pressure relief valve replaced by a new or unused valve within 12 years of the date of manufacture of the container and every 10 years thereafter."

MEV75FIR

Part no.	Description	Inlet	Rain Cap	45 Degree Pipeaway	90 Degree Pipeaway	Relief STD PSI
MEV75FIR	Internal Pressure Relief Valve	3/4" MNPT	MEP175C	MEP175-45	MEP175-90	375

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MEC MOTOR FUEL CYLINDER DOUBLE CHECK FILLER VALVE

Designed for DOT forklift, engine fuel, and ASME residential tanks, these double check filler valves automatically open with pump pressure providing maximum product flow rates. Once flow ceases, both upper and lower check mechanisms close to prevent product loss from the container. The lower check serves as a secondary seat to limit product loss in the event that the primary upper seat fails to operate properly due to damage.

Part no.	Description	Tank Connection	Filler Connection	Cap & Lanyard	Repair Kit
ME601-6	Double Fill Valve w/ Cap and Lanyard	3/4"	1-3/4" M Acme	ME601-902	ME601-6SRK
ME601-10	Double Fill Valve w/ Cap and Lanyard	1-1/4"	1-3/4" M Acme	ME601-903	ME601-10SRK

ME601-6

SEMI-INTERNAL PRESSURE RELIEF VALVES

Used as a pressure relief device on stationary ASME containers and domestic tanks. Features: Durable all brass body, sturdy construction - made with non-corrosive internal materials, furnished with rain/dust cap for protection against contamination (rain cap also available separately), supplied with Everseal™ pre-applied thread selant.

Part no.	STD Setting (PSIG)	Container Connection	Installation Hex	Flow Capacity SCFM / Air UL @ 120% Set Pressure	Tank Surface Area (Sq Ft)	Replacement Rain Cap
MEVS-UVE433AM/250	250	3/4" MNPT	1-11/16"	1,930	79	MEPS-433-45A
MEVS-UVE433AC/275*	275	3/4" MNPT	1-11/16"	1,709	68	MEPS-433-45A
MEVS-UVE443AM/250	250	1" MNPT	1-7/8"	2,755	122	MEPS-443-45A
MEVS-UVE443AC/275*	275	1" MNPT	1-7/8"	2,436	105	MEPS-443-45A
MEVS-UVE453AC/275*	275	1-1/4" MNPT	2-7/16"	4,406	216	MEPS-453-45A

MEPS-433-45A DUST CAP

UNIVERSAL RELIEF VALVE COVERS

These covers are intended to protect both internal & external relief valves ranging in size from 1/2" to 1-1/4" NPT from moisture and/or other possible contaminants. Using the universal "shower cap" style relief valve covers will allow technicians to carry two sizes that will protect the majority of domestic tank relief valves.

MEH502

Part no.	Description	Material
MEH502	Adjustable Relief Valve Cover 1/2" to 3/4"	Yellow Vinyl
MEH503	Adjustable Relief Valve Cover 3/4" to 1-1/4"	Yellow Vinyl

MEH503

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Replacement Parts for ASME Tanks

MES-FG1281

UNDERGROUND REPLACEMENT PARTS

Tank Size	Multivalve*	Liquid Withdrawl Valve	JR Float Gauge
120 wg	MES-PVE2098AT	ME460	MES-FG1281-001R
250 wg			MES-FG1281-002R
320 wg			MES-FG1281-002R
500 wg			MES-FG1281-003R
1000 wg			MES-FG1281-004R
1450 wg		ME462	JB400HP-1
1990 wg			JB400HP-1

** Must cut dip tube to length specified on tank*

ME665

ABOVEGROUND REPLACEMENT PARTS

Tank Size	Multivalve*	Liquid Withdrawl Valve		Relief Valve	Fill Valve
		Bottom 1-1/4"	Top 3/4"		
120 wg	ME665	ME462	ME460	MEVS-UVE433AM/250	ME601-10
250 wg					
320 wg					
500 wg				MEVS-UVE443AM/250	
1000 wg				MEVS-UVE453AM/250	
1450 wg			ME462	MEVS-UVE453AM/250 (2)	
1990 wg					

** Must cut dip tube to length specified on tank*

ABOVEGROUND GAUGES

Tank Size Diameter	Jr Flanged	Threaded - 1-1/4"	Threaded 1"
120g - 24" dia.	MES-FG1280-001R	MES-FG2281-001R	MES-FG3981-002R
250g - 30" dia.	MES-FG1280-002R	MES-FG2281-002R	MES-FG3981-003R
320g - 30" dia.			
500g - 37" dia.	MES-FG1280-003R	MES-FG2281-003R	MES-FG3981-004R
1000g - 41" dia.	MES-FG1280-004R	MES-FG2281-004R	MES-FG3981-005R
420lb Vertical	-	-	MES-FG3981-001R

MEC SPACE-SAVER BRASS DIELECTRIC UNIONS

Intended to isolate metallic piping from sources of electrical current and to help prevent galvanic corrosion, the ME690 dielectric union would typically be installed at the ASME tank directly downstream of the first stage regulator but prior to underground piping and/or at the inlet of the second stage regulator above-ground at the dwelling.

Part no.	Description
ME690-4-6	Brass Dielectric Union - 1/2" MPT x 3/8" Male Flare
ME690-6-6	Brass Dielectric Union - 3/4" MPT x 3/8" Male Flare
ME690-4-8	Brass Dielectric Union - 1/2" MPT x 1/2" Male Flare
ME690-6-8	Brass Dielectric Union - 3/4" MPT x 1/2" Male Flare
ME690-4-10	Brass Dielectric Union - 1/2" MPT x 5/8" Male Flare
ME690-6-10	Brass Dielectric Union - 3/4" MPT x 5/8" Male Flare

ME690

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SAFETY LOCK POL VALVE LOCKS AND KEYS

One key free with 12 locks purchased

- Easy to install
- Tamper resistant
- Reduces Pilferage
- No padlock required
- Interchangeable parts

ME530 & ME530-03

Used for locking POL valves, the easy to install ME530 securely locks POL service valves to help prevent unauthorized hookups, reduce pilferage and increases security. The tamper resistant ME530 is effective for credit control, tank and cylinders in storage and out of service vessels. Properly installed, the ME530 assists safe turn on and gas checks for "out of Gas" calls and new customers Keyed alike for easy service or delivery.

Part no.	Description
ME530	Saf-T-Lok Cylinder Valve Lock (Brass POL plug w/Oring seal/ plated steel lock collar/tamper seal plug)
ME530-03	Key for ME530 Lock

Cylinder Maintenance Tools

OPD CYLINDER VALVE WRENCH

These wrenches quickens installing and removal of QCC-1 cylinder valves from DOT Cylinders. The wrench works on all Style 1(QCC-1) valves.

MEP122

TECH TIP: A Bleed orifice safety Feature will indicate any pressure remaining in the cylinder before removing the valve by simply opening the valve slightly prior to loosening.

Part no.	Description
MEP121	VALVE WRENCH MALE POL
MEP122	VALVE WRENCH TYPE 1 QCC/OPD
MEP125	MOTOR FUEL VALVE WRENCH

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SPANNER WRENCHES

For tightening and loosening 2-1/4", 3-1/4", and 4-1/4" ACME couplings.

Part no.	Description
MEP120B	ACME Spanner Wrench 2-1/4" and 3-1/4"
MEP120C	ACME Spanner Wrench 3-1/4" and 4-1/4" EZ Turn

MEP120B

MEP120C

Leak & Pressure Testing Equipment

LEAK CHECK AND REGULATOR TESTING EQUIPMENT

All KV multi-point and SKV universal gauge kits are supplied with a tool box, twelve 1/8" valves, six 1/4" valves, a high pressure test block and user instructions on a laminated card.

Part no.	Description
ME-KVA	KVA incorporates a GA-30 gauge w/ HSA hose swivel to connect to type VA valves
ME-KVB	KVB incorporates a GA-30 gauge w/ HSB hose swivel to connect to type VB valves
ME-SKVA	SKVA Incorporates a GA-35" W.C. gauge used with VA valves
ME-SKVB	SKVB Incorporates a GA-35" W.C. gauge used with VB valves

KVA-KIT

SKVB-KIT

TGA AND TGB SINGLE POINT LEAK CHECK GAUGE

Part no.	Description
ME-TGA	TGA has a HSA female hose swivel connection and GA-30
ME-TGB	TGB has a HSB Female hose swivel connection and GA-30

TGB-CONN

PRESSURE TEST VALVES

Part no.	Description
ME-VA1	1/8" MNPT x m.305
ME-VA2	1/4" MNPT x m.305
ME-VB1	1/8" MNPT x M. Flare
ME-VB2	1/4" MNPT x M. Flare

VB1-VALVE

ADAPTERS

Part no.	Description
ME-AD-AB	Converts hose connection with a HSA hose swivel to a VB vavle
ME-AD-BA	Converts hose connection with a HSB hose swivel to a VA vavle

AD-A-B AD-B-A

TEST BLOCKS

Part no.	Description
ME-TBA	Test Block with type A valve
ME-TBB	Test Block with type B valve

TBA TBB

LOW PRESSURE TEST ADAPTORS

Flare fitting unit for testing pressure in copper tubing lines when test connections on the appliance are not accessible.

Part no.	Description
ME1328	Test Adaptor for 3/8" O.D. tube
ME1331	Test Adaptor for 1/2" O.D. tube
ME1332	Test Adaptor for 5/8" O.D. tube
METL051	Servel Servicemans friend

1331

TL-051

ME-SLT: SYSTEM LEAK TESTER

Designed to be inserted between the LP Gas supply tank valve POL and the POL pigtail. Handy hose for flexibility. Charge the system for 20-30 seconds close service valve, bleed down approx. 10psi. Verify the pressure has not changed (up or down) if it has trouble shoot the reason for any gain or loss.

RMI Part No.	Description
ME-SLT	System Tester

ME-SLT

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Pressure Gauges

ME295SN-1-PRESSURE GAUGE ADAPTER

- Provides an inexpensive way to permanently install a pressure tap upstream from the first stage regulator.
- 1/8" FNPT tap allows for easy installation of pressure test monitoring devises.

ME295-SN-1

Part no.	Range
ME295SN-1	Soft Nose MPOL x FPOL Adaptor with tap

PRESSURE GAUGE SNUBBER

Pressure snubber protects gauge from damaging violent surges and moderates pulsing at the gauge.

ME204

Part no.	Range
ME204	1/4" x 1/4" Pressure Snubber and Filter
ME202SS	1/4" x 1/4" Pressure Snubber #54 drill orifice

Safety Equipment

CHOCK BLOCKS

Required equipment for parking placarded propane commercial vehicles. One required on each side of rear wheel when trucks are parked and driver is outside of vehicles or during any transfer operations.

Part no.	Description	Height	Length	Width
ME200	Aluminum Chock	7"	10"	7"
ME200B	Chock block holder	7-3/4"	20"	7"

ME200B

ME200

Fill Station Equipment & Accessories

BREAK-A-WAY COUPLINGS

The FloKill Break-A-Way Coupling from MEC flows both directions and protects against expensive loss of product or equipment damage if a pull-away occurs during a transfer operation. In the event of an excessive amount of pull force, the break-a-way coupling will separate and immediately shut off product flow in both directions.

ME861S

Bracket Style	LANYARD Style	Connection FNPT	OAL	Accessory Reassembly Tool
ME860S-6	ME861S-6	3/4"	6"	MEP128-6
ME860S-8	ME861S-8	1"	6-3/4"	-
ME860S-10	ME861S-10	1-1/4"	7-3/4"	-
-	ME861S-16	2"	10-1/4"	-

HIGH CAPACITY DISPENSING FILTER

The ME680 LPG Dispenser Filter is designed to remove 99.9% of solid contaminants from LPG systems. These contaminants can be introduced into the system during the refining process from holding tanks as well as the delivery trucks used to transport the liquid fuel.

HIGH CAPACITY DISPENSING FILTER

Part no.	Inlet/ Outlie	Flow Rate*	Length	Diameter	Filter Element	Max Operating Pressure	Max Operating Temp
ME680-8	1" FNPT	35 GPM	8"	5"	20 Micron	350PSI	175°F

**Flow rate calculated @ 6.2PSI pressure differential*

ME680-8

Part no.	Description
ME680-8-ERK	Replacement Filter Element

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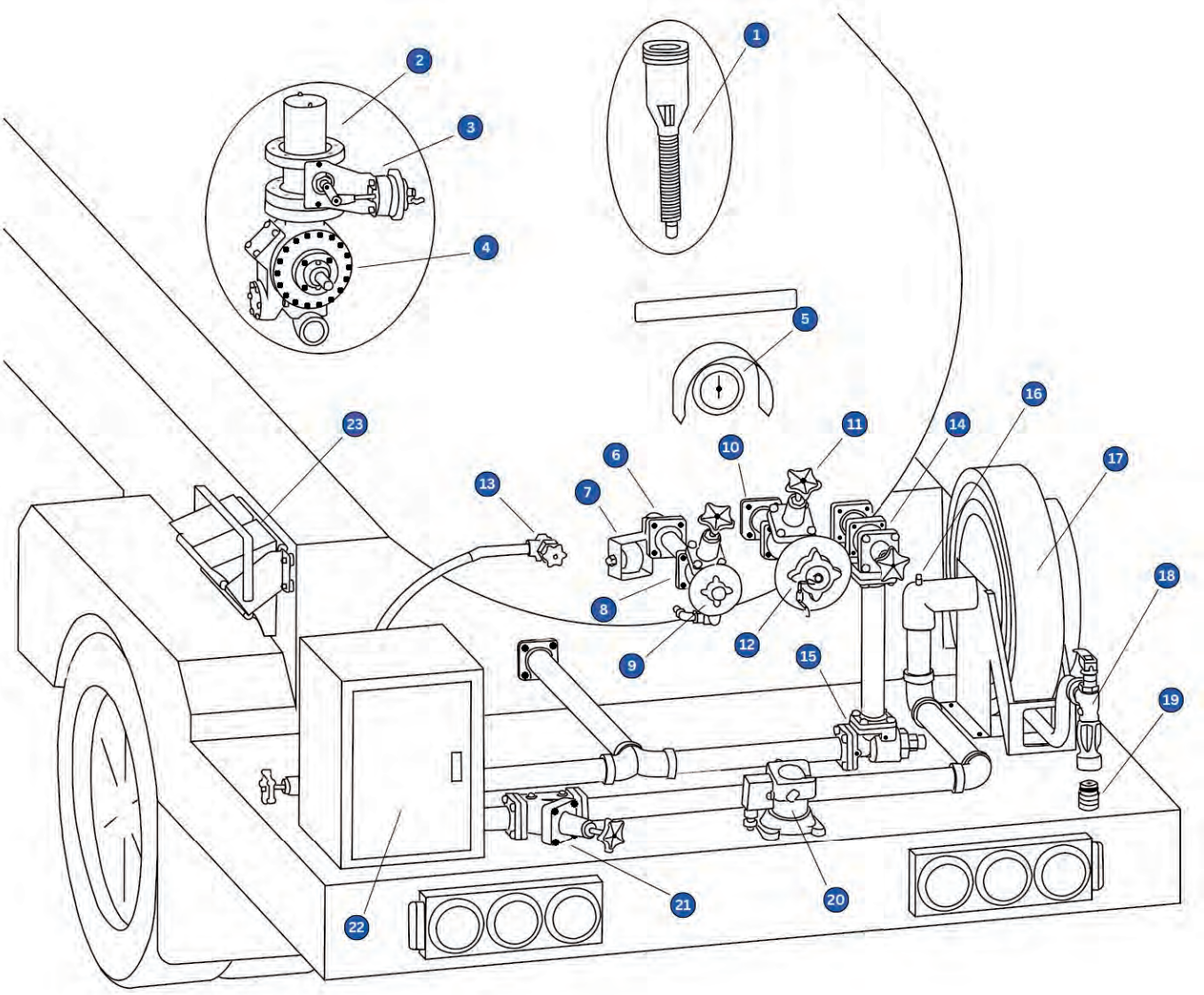
Bobtail Diagram

ANATOMY OF A BOBTAIL - SUPPLIED BY RMI!



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Key	Component Description	Part no.	Item Description
1	Pressure Relief Valve (2)	MEV200FIR/250	MEC 2" Internal Relief Valve, 250PSI
		MEV300FIR/250	MEC 3" Internal Relief Valve, 250PSI
2	Internal Valve	ME990S-3DF-400	MEC 3" Double Flanged Internal Valve, 400PSI
3	Actuator	ME207	MEC Air-Powered Actuator for 3" Internal Valves
4	Pump	TLGLF3	Blackmer 3" Mount Bobtail Pump
		Z3200	Corken 3" Mount Bobtail Pump
5	Gauge	ME930	MEC Glow Dial Float Gauge
6	Internal Valve	ME990-10-85	MEC 1-1/4" Internal Valve, 85GPM
7	Actuator	ME205	MEC Air-Powered Actuator for 1-1/4" Internal Valves
8	Globe Valve	ME825-10	MEC 1-1/4" Globe Valve
9	Adapter*	ME217	1-3/4" ACME x 1-1/4" MNPT Brass Adapter
	Cap	ME229F5-1C	1-3/4" ACME Brass Cap with 5" Flange and Cable, Knob Style
10	Back Check Valve	ME870S-16	MEC 2" Steel Back Check Valve
11	Globe Valve	ME825-16	MEC 2" Globe Valve
12	Smart Interlock System	ME217PIB	Interlock Sensor
	Acme Adaptor	ME503-16	3-1/4" MACME x 2" MNPT Brass Adapter
	Acme Cap	ME441F8-1C	3-1/4" ACME Brass Cap with 8" Flange and Cable, Knob Style
13	Excess Flow Valve	ME880-6/22	MEC 3/4" Excess Flow Valve, 22GPM
14	Angle Valve	ME815-16	MEC 2" Angle Valve
15	Bypass Valve	ME840-125	MEC 1-1/4" - 2" Universal Bypass Valve, 90-125PSI
16	Hydrostatic Relief Valve	MEH225	MEC 1/4" Hydrostatic Relief Valve, 440PSI
17	Hose Reel	ME9000LH-17/25	MEC Hose Reel
		EPB Series	Hannay Hose Reel
18	Hose End Valve	ME1075WS-8	1" Flanged High Flow Hose End Valve w/ Swivel
		ME800GWS	1" Threaded High Flow Hose End Valve w/ Swivel
19	Hose End Safety Adaptor	ME571H	MEC 1-3/4" High Flow Filler Hose Adapter w/ Swivel
20	Hose End Holster	MEP801P1H	Hose End Holster w/ Interlock Sensor
		MEP801	Hose End Holster
21	Globe Valve	ME825-16	MEC 2" Globe Valve
22	Meter	MA7	Liquid Controls 2" Flanged Temp Comp Meter, 100GPM
23	Chock Block Holder	ME200B	Chock Block Holder
24	Chock Block	ME200	Aluminum Chock Block - 7"H x 10"L x 7"W

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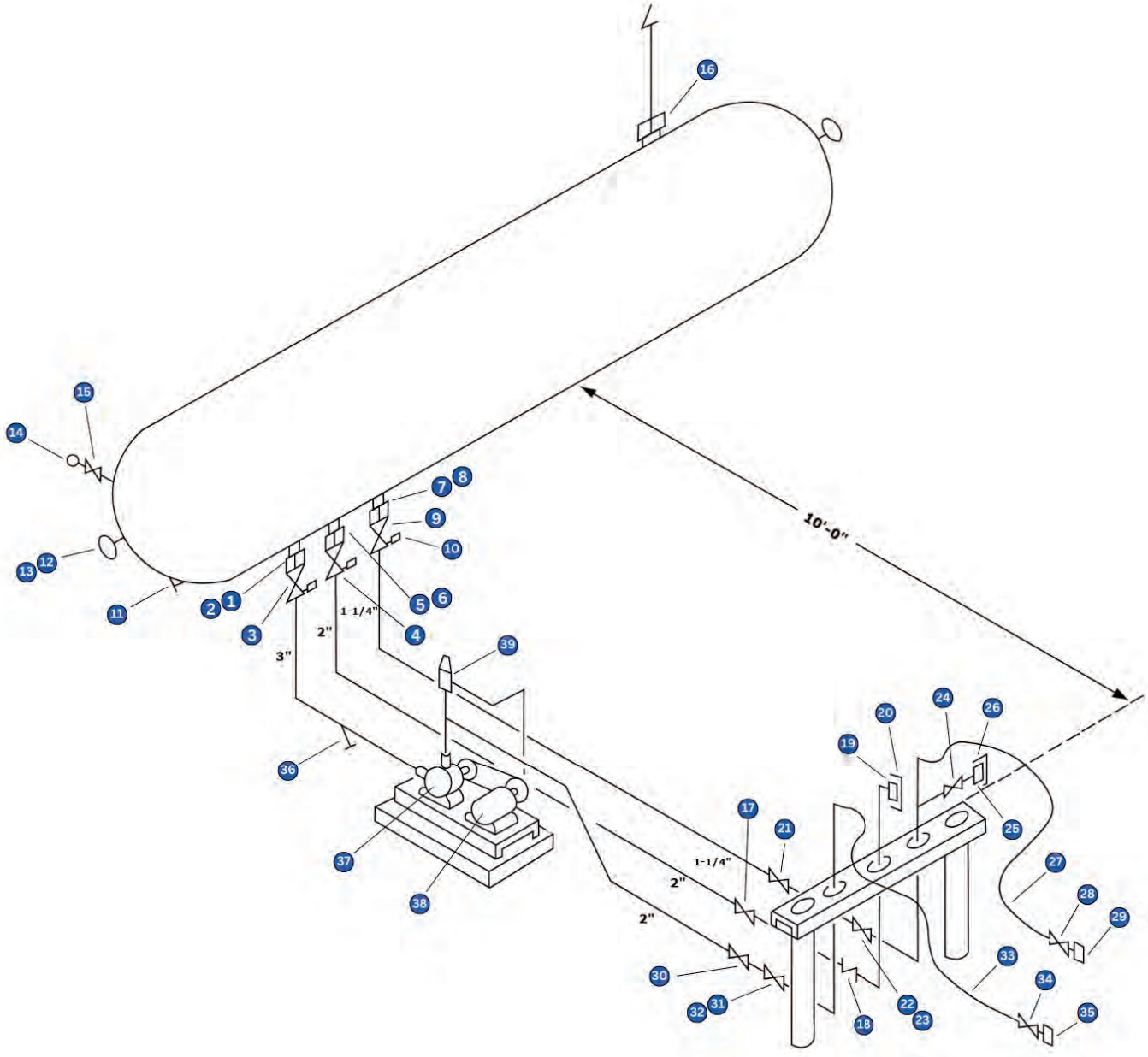
Bulk Plant Diagram

ANATOMY OF A BULK PLANT - SUPPLIED BY RMI!



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Key	Component Description	Part no.	Item Description
1	Internal Valve	ME990-24-400	MEC 3" Internal Valve, 400GPM
2	Actuator	ME206	MEC Air Powered Actuator for 2" & 3" Internal Valves
3	Globe Valve	ME825-24	MEC 3" Globe Valve
4	Globe Valve	ME825-16	MEC 2" Globe Valve
5	Internal Valve	ME990-16-260	MEC 2" Internal Valve, 260 GPM
6	Actuator	ME206	MEC Air Powered Actuator for 2" & 3" Internal Valves
7	Internal Valve	ME990-10-85	MEC 1-1/4" Internal Valve, 85GPM
8	Actuator	ME205	MEC Air-Powered Actuator for 1-1/4" Internal Valves
9	Globe Valve	ME825-10	MEC 1-1/4" Globe Valve
10	Hydrostatic Relief Valve	MEH225	MEC 1/4" Hydrostatic Relief Valve, 440PSI
11	Container Thermometer	MEJ700	MEC 4" Thermometer
12	Gauge	ME940-130	MEC Glow Dial Float Gauge Assy, 8" Dial, 130" Dia
13	Flange	ME931	2-1/2" Float Gauge Mounting Flange
14	Gauge	MEJ542	0-400 PSI Bottom Mount Pressure Gauge
15	Vent Valve	MEJ415G	Liquid Vent Valve
16	Pilot-Operated Relief Valve	ME910P/250-ASME	MEC 4" Pilot-Operated Relief Valve, 250PSI
17	Globe Valve	ME825-16	MEC 2" Globe Valve
18	Sight Flow Valve	ME875S-16	MEC 2" Sight Flow Valve
19	ACME Adapter	ME252-16	3-1/4" ACME x 2" FNPT Brass Adapter
20	ACME Cap & Cable	ME441F-1C	3-1/4" ACME Brass Cap w/ Cable

Key	Component Description	Part no.	Item Description
21	Globe Valve	ME825-10	MEC 1-1/4" Globe Valve
22	Emergency Shutoff Valve	ME980-10	MEC 1-1/4" Emergency Shutoff Valve
23	Actuator	ME551	MEC Air Powered Actuator for ESVs
24	Globe Valve	ME825-10	MEC 1-1/4" Globe Valve
25	ACME Adapter	ME217	1-3/4" ACME x 1-1/4" MNPT Brass Adapter
26	ACME Cap & Cable	ME229F-1C	1-3/4" Brass ACME Cap w/ Cable
27	Loading Hose	1-1/4" HOSEKIT	1-1/4" Loading Hose
28	Globe Valve	ME825-10	MEC 1-1/4" Globe Valve
29	Hose Coupling	ME120	2-1/4" ACME Hose Coupling
30	Globe Valve	ME825-16	MEC 2" Globe Valve
31	Emergency Shutoff Valve	ME980-16	MEC 2" Emergency Shutoff Valve
32	Actuator	ME551	MEC Air Powered Actuator for ESVs
33	Breakaway Hose	CG-LPG-32-R15-3	2" x 15' Smarthose Breakaway Hose Assy
34	Globe Valve	ME825-16	MEC 2" Globe Valve
35	ACME Adapter	ME130	MEC 3-1/4" x 2" ACME Coupling
36	Strainer	ME656SP	3" Strainer w/ Plug
37	Pump	LGLD3F-MNT30-M215T-10HP	Blackmer 3" Pump, Base, Drive Assy w/ 10HP 3PH Motor
		Z3500-103-215T-10HP	Corken 3" Pump, Base, Drive Assy w/ 10HP 3PH Motor
38	Motor	EM-10	Blackmer 10HP 3PH Motor - 1800RPM
		6010-1C2B1	Corken 10HP 3PH Motor - 1800RPM
39	Bypass Valve	BV-2	Blackmer 2" NPT Bypass Valve
		ZV200	Corken 2" NPT Bypass Valve

Some items may not be in stock at all warehouses or may be special order. Please log in to our website or contact your Teeco Representative for current availability.

Shop online at **www.TeecoProducts.com**

Bypass Valves

MARSHALL EXCELSIOR BYPASS VALVES FOR DISPENSING APPLICATIONS

Intended for use in small cylinder filling applications as a bypass and primer valve for turbine style dispensing pumps. These bypass valves feature a special "check ball" mechanism that helps eliminate vapor from liquid while keeping the pump flooded and properly primed.

ME840-6-150

Part no.	Description	Standard Spring Setting
ME840-6-150	3/4" FNPT High Flow Bypass Valve	50-150 PSI
ME840-6-225	3/4" FNPT High Flow Bypass Valve	100-225 PSI
ME840-8-150	1" FNPT High Flow Bypass Valve	50-150 PSI
ME840-8-225	1" FNPT High Flow Bypass Valve	100-225 PSI

**Alternate Spring Ranges Available*

MARSHALL EXCELSIOR HIGH FLOW 3" BYPASS VALVES FOR PLANT APPLICATIONS

Specifically designed for plant systems where maximum bypass flow is necessary to protect the pump from rapid pressure changes or over pressurization. Perfectly suited for 4" base mount pumps or larger pump applications.

ME840-24-3F

Part no.	Description	Standard Spring Setting
ME840-24-100	3" FNPT High Flow Bypass Valve	50-100 PSI
ME840-24-200	3" FNPT High Flow Bypass Valve	100-200 PSI
ME840-24-3F-100	3" - 300# Flanged High Flow Bypass Valve	50-100 PSI
ME840-24-3F-200	3" - 300# Flanged High Flow Bypass Valve	100-200 PSI

**Alternate Spring Ranges Available*

MARSHALL EXCELSIOR HIGH FLOW BYPASS VALVES FOR BOBTAIL & PLANT APPLICATIONS

These bypass valves are specifically designed to protect truck and plant pumps from damage due to excessive pressure. They feature wide open flow channels with an orifice weep hole chamber to prevent the valve from slamming open/closed. The weep hole chamber also helps prevent valve seat chatter by allowing constant pressure communication between both the upstream and downstream side of the seat.

BYPLASS VALVES - NPT FLANGE CONFIGURATION

Part no.		Description	Standard Spring Range	Flange Type
WCC A216 Steel	CF8M Stainless Steel			
ME840-125	ME840SS-125	1 1/4" - 2" Universal High Flow Bypass w/o Flanges	90-125 PSI	Flat Face
ME840C-125	ME840SSC-125	1 1/4" - 2" Universal High Flow w/o Flanges		

**Alternate Spring Ranges Available*

FLANGE KITS

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
ME841-16F	2" Socket Weld Flange Kit
MEP840-16	2" Threaded 90° Flange Kit
MEP841-16	2" Socket weld 90° Flange

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Bypass Valves

MARSHALL EXCELSIOR VERSA-FILL HIGH FLOW BYPASS VALVES FOR BOBTAIL APPLICATIONS

Versa-Fill bypass valves are designed to protect pumps from damage due to excessive pressure while providing flow, adjustability, versatility and performance of the pumping system.

Versa-Fill has three settings and functions: normal bypass, auxiliary suction evacuation/self-load and small cylinder/forklift-filling.

VERSA-FILL™ BYPASS VALVES - NPT FLANGE CONFIGURATIONS

Part no.		Description	Poppet Type	Standard Spring Range
WCC A216 Steel	CF8M Stainless Steel			
ME845-125	ME845SS-125	1-1/4" - 2" Versa-Fill Bypass Valve w/0 Flnges	Standard/High Flow	90-125 PSI
ME845C-125	ME845SSC-125		Classic Flow	

**Alternate Spring Ranges Available*

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.

Part no.	Inlet / Outlet Size	Outlet Range (PSIG)	Relief Pressure Setting (PSIG)	Relief Capacity	
				10 PSI Over Set Point	50 PSI Over Set Point
MEGR-198H/22	3/4"	70-140	100	49	93
MEGR-198H/30	1"	70-140	100	49	93
MEGR-198H-31	1"	130-200	175	52	109

MEGR-198H

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MEC

EXCELA-WYND HOSE REEL

The new ME9000 Series Excela-Wynd Hose reel provides increased delivery effiiciency and safety while reducing down time, comp claim injuries and driver fatigue. Other advantages include:

- 17" w x 25" dia spool
- Holds up to 150' - 1" hose
- Auto-wind hose return system
- Variable Speed Controller - maintains consistent walking speed
- Adjustable speed to suit driver preference or seasonal conditions
- Auto-push feature takes the starting hose pull effort of the driver
- Premium construction & materials for increased service life and minimal downtime
- Gimbal roller assembly significantly reduces pulling effort, even on hard 90° side pulls
- Internal gear drive eliminates chain
- Designed for minimal maintenance & ease of serviceability
- Integrated design makes your truck look great!

ME9000LH-17-25

Part no.	Description
ME9000LH-17/25	Excela-Wynd™ Hose Reel with LH Type "D" Excela-Flange™ Inlet
VSC9000*	MEC/BASE Enginneering Variable Speed Control System
ME9000WSDA	Weather Shield-Diamond Plate Aluminum Bright Polished Finish
ME9000WSSA	Weather Shield - Smooth Aluminum Silver Powder Coat Finish

**Required for installation - free voucher included with Hose Reel purchase*

VSC9000

REEL W SMOOTH WEATHER SHIELD

REEL W DIAMOND PLATE WEATHER SHIELD

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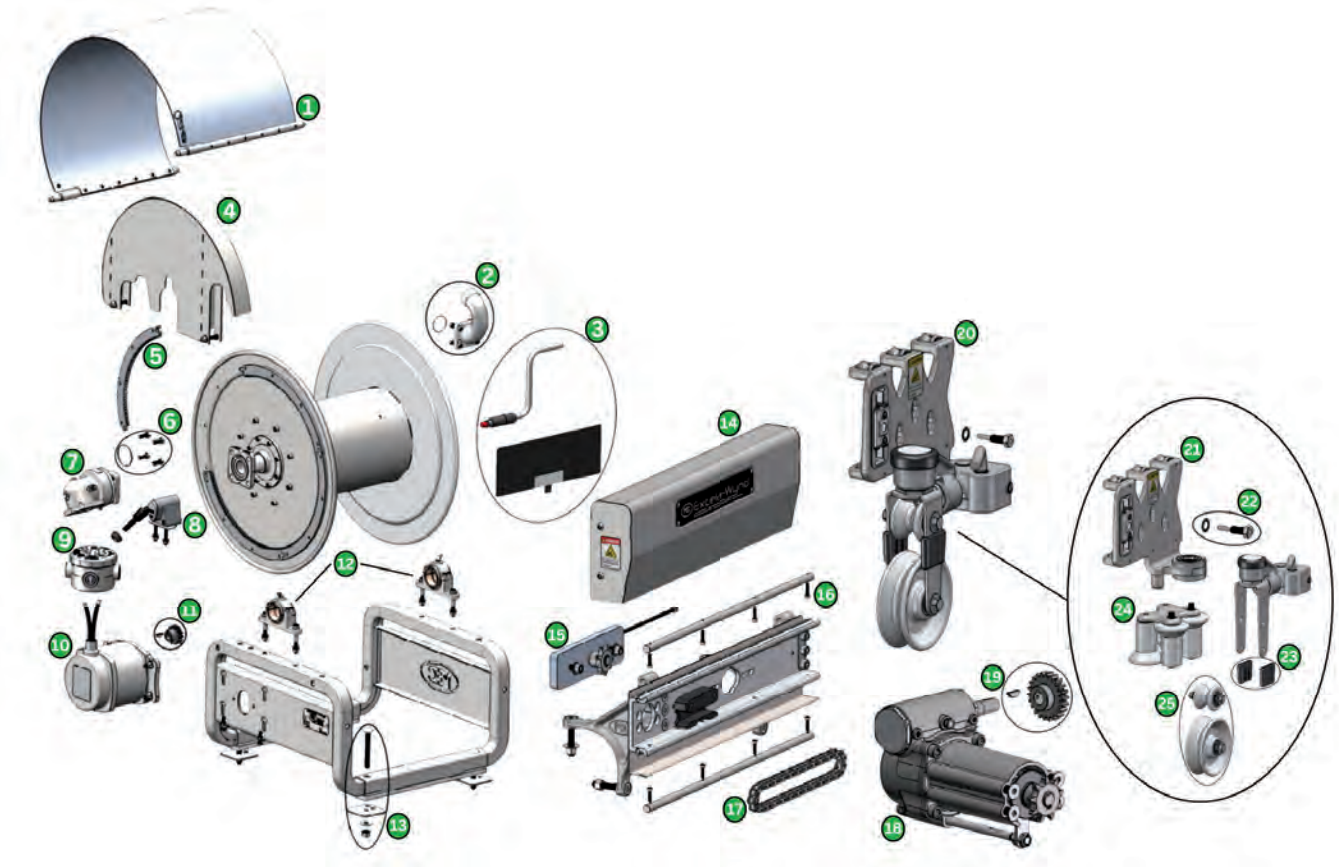
MEC

ME9000 PARTS BREAKDOWN

Key	Description	Part no.
1	Weather Shield - Plain	ME9000WSSA
1	Weather Shield - Diamond Plate	ME9000WSDA
2	LH Offset Riser Kit w/ Hardware	ME9000107
3	Manual Crank Kit	ME9000965
4	Gear Guard Kit w/ Hardware	ME9000950
5	Gear Segment Kit w/ Hardware (4)	ME9000105
6	Swivel Mounting Kit	ME854SSX-SK
7	Excela-Flange Swivel	ME854SSH-4B-4B
8	Sensor Kit w/ Hardware	ME9000945
9	Junction Box Kit	ME9000-JBA
10	Motor Kit w/ Hardware	ME9000500
11	Motor Gear Kit	ME9000007-16T
12	Split Bearing Kit (2)	ME9000990
13	Frame Mounting Hardware Kit	ME9000919

Key	Description	Part no.
14	Level-Wind Cover w/ Hardware	ME9000955
15	Idler Sprocket Kit w/ Hardware	ME9000925
16	Bearing Rod Kit	ME9000308
17	Level-Wind Chain Kit	ME9000970
18	Gear Box Kit w/ Hardware	ME9000930
19	Level-Wind Gear - 22 Tooth	ME9000337
20	Level-Wind Carriage & Gimbal Kit	ME9000999
21	Carriage Kit	ME9000927
22	Connecting Pin Kit	ME9000960
23	Hose Guard Set	ME9000422
24	Guide Roller Set	ME9000928
25	Gimbal Roller Set w/ Hardware	ME9000413



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MEC Smart Interlock Systems

SMART INTERLOCK TECHNOLOGY

Designed to prevent a vehicle from being operated while the hose end delivery valve, loading line, or wheel chocks are in use. The smart interlock technology connects directly to the vehicle's transmission or braking system to restrict movement.

SMART INTERLOCK TECHNOLOGY

Part no.	Description	Temp Range	Accessories
ME200PIB	Sensor Bracket Assy for ME200	-20° to 160°F	ME200EXT (Standoff Ext Kit)
ME200PIBK	Sensor Bracket Assy w/ ME200	-20° to 160°F	
ME217PIB	Sensor Bracket Assy for ME217 Series	-20° to 160°F	MEP801PC/20 (20' Prox Cable) MEP801PC/30 (30' Prox Cable)
ME503PIB	Sensor Bracket Assy for ME503-16 & ME252-16	-20° to 160°F	
ME807PIB	Sensor Bracket Assy for ME807 Series	-20° to 160°F	
ME808PIB	Sensor Bracket Assy for ME808 Series	-20° to 160°F	
ME868PIB	Sensor Bracket Assy for ME868 Series	-20° to 160°F	
MEP801PIH	Sensor Assy w/ MEP801 Valve Holster	-20° to 160°F	
MEP802PIH	Valve Holster w/ Prox Sensor & Weather Hood	-20° to 160°F	
MEP804PIH	Quick-Jaw Valve Holster w/ Prox Sensor	-20° to 160°F	
MEP801PIK	Interlock Retrofit Kit for MEP801 Valve Holster	-20° to 160°F	
MEP801PIKL	Low Temp Interlock Retrofit Kit for MEP801	-50° to 160°F	
ME890PIB	Universal Sensor Bracket Assy for Enclosures	-20° to 160°F	

ME200PIBK

SMART INTERLOCK WIRING HARNESS KITS

Part no.	# of Relays	Cable Length
MEP801PCK/20	1	20'
MEP801PCK/30	1	30'
MEP802PCK/20	2	20'
MEP802PCK/30	2	30'
MEP803PCK/30	3	30'

**Additional cables required for 802 and 803 series kits*

MEP801PIK

ME890PIB

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BASE Engineering Shut-Off Systems

BASE ENGINEERING INC. an HEC company

BASE ENGINEERING BOBTAIL REMOTE SHUTOFF SYSTEMS

- US DOT and Transport Canada Compliant
- Compact polycarbonate receiver units are easily installed using pre-wired electrical harness
- Max operating range of 1000ft
- Runs for 300 hours of continuous operation and warns you when batteries are low
- Uses state of the art encryption technology to ensure an interference free, fail-safe signal
- Lightning fast response time - everything stops so you stay safe
- Receivers are energized only during operation and have built-in fail-safe feature, activating E-Stop with any loss of receiver power

MULTI-FUNCTION TRANSMITTER

SINGLE FUNCTION TRANSMITTER

Part no.	Description
ASKWD100F	1 Function System for Rego Flowmatic
ASKWD100A	1 Function System for Pneumatic Internal Valve
ASKWD200F	2 Function System for Rego Flowmatic
ASKWD200A	2 Function System for Pneumatic Internal Valve
Replacement Transmitters	
ASKW100TX	1 Function Transmitter
ASKW200TX	2 Function Transmitter
Accessories	
LT-POUCH	Protective Window Pouch

TRANSPORT LEAK DETECTION SYSTEM

Leak detection systems to be used on transports to comply with DOT requirements for passive shut off. The system continually monitors the off-loading procedures for a rapid change in discharge pressure.

Part no.	Description
LDS60	Transport Leak Detection System
LDS100	System w/ Engine Shutdown
LDS200-AQRF	System w/ Query Function

LDS60

LDS200AQRF

DRIVER AUTHORIZATION SYSTEMS

Driver authorization systems are designed for commercial vehicles and prevent unauthorized engine start or movement.

System Includes:

- Keypad Unit with hidden enclosure screws
- Sealed parking brake low pressure switch with DOT quick-connect T fitting
- Sealed Engine kill relay
- Complete wiring harness

Part no.	Description
DAS1000-AB	Security System for vehicle with air switch
DAS1000-AT	Security System for vehicle with automatic transmission
DAS1000-IG	Security System for any vehicle

DAS1000

BULK PLANT WIRELESS SHUTDOWN SYSTEM

Bulk plant wireless emergency shutdown allows for the addition of additional shutdown locations without the need to run additional pneumatic tubing. System can be ordered with solenoid factory installed in receiver.

Part no.	Description
ASKFAX200-AC	Battery Operated wireless emergency bulk plant shutdown

ASKFAX200-AC

HANDHELD E-STOP

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Bulk Tank Gauges & Thermometers

MARSHALLEXCELSIOR innovation made simple

MEC ACCU-MAX FLOAT GAUGES

Designed to measure liquid levels in horizontal DOT and stationary ASME tanks. All gauges feature an easy-to-read glow in the dark dial. DOT type features an integral spring-loaded float arm for maximum life in mobile applications.

NOTE: Additional custom sizes available – contact customer service for quotes.

Part no.	Type	Dial Size	Tank Diameter
ME930-72	DOT	4"	72"
ME930-79	DOT	4"	79"
ME930-82	DOT	4"	82"
ME930-84	DOT	4"	84"
ME930-86	DOT	4"	86"
ME940-105	ASME	8"	105"
ME940-108	ASME	8"	108"
ME940-114	ASME	8"	114"
ME940-130	ASME	8"	130"

MOUNTING FLANGES

Part no.	Description
ME931	2-1/2" MNPT Mounting Flange
ME932	Socket-Weld Mounting Flange
MEP930WG	Mounting Flange Installation Tool

REPLACEMENT PARTS FOR FLOAT GAUGES

Part no.	Description
ME930-905	4" Glow Dial
ME930C-905	4" Non-Glow Dial
ME940-905	8" Glow Dial
ME940C-905	8" Non-Glow Dial
ME930-240	4" Dial Glass
ME930-211	4" Dial Seal
ME930-222	4" Dial Mounting Bracket
ME940-210	8" Dial Glass
ME940-211	8" Dial Seal
ME940-206	8" Dial Mounting Bracket
ME930-212	Spiral Gasket
ME930-244	Dial Screw
ME930-243	Dial Nut
ME930-223	Mounting Stud
ME930-224	Mounting Nut

GLOW DIAL

ME930 SERIES

MEC ACCU-MAX+ DIGITAL DIAL SYSTEM

Features:

- Tilt compensation for maximum accuracy on all grades
- Estimated gallon tier (liter) display
- Bright easy to read positive LCD display
- 10 selectable LCD backlight color options
- Sealed easy access connection
- Fully programmable with Accu-Max+ configuration kit
- Reverse compatibility to all MEC Accu-Max Series DOT float gauges
- Ability to push display information to PC3 handheld remote

ACCU-MAX+ DIAL

DIGITAL DIAL OPTIONS

Part no.	Type	Style	Dial Size	Tank Diameter
ME930DD-905	DOT	Accu-Max+ Digital Dial Only	4"	N/A
ME930DD-72	DOT	Float Gauge w/Accu-Max+ Digital Dial	4"	72"
ME930DD-79	DOT		4"	79"
ME930DD-84	DOT		4"	84"

ACCESSORIES

Part no.	Description
ME930DD-PCM	Potted Universal Power Conditioning Module
ME930DD-DH20	Dial Harness w/ 15' Air Pressure Switch Cable, 20'
ME930DD-DH30	Dial Harness w/ 15' Air Pressure Switch Cable, 30'
ME930DD-DH40	Dial Harness w/ 15' Air Pressure Switch Cable, 40'
ME930DD-DH50	Dial Harness w/ 15' Air Pressure Switch Cable, 50'
ME930DD-PH15	15' Vehicle Power Harness w/ 3' Data Connector Cable
ME930DD-PSA1004	Air Pressure Switch Assembly w/ 3/8" Inline Connector Tee
ME930DD-CK	Accu-Max+ Configuration Kit

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Bulk Tank Gauges & Thermometers

COMBINATION VALVES

Designed for installation on bulk storage containers, the valve combines a pressure gauge and a liquid level gauge.

MEJ415G

Part no.	Container Connection	Material	Vent Valve	Gauge
ME830	3/4"	Ductile	Yes	No
MEJ415	3/4"	Steel	No	No
MEJ415G	3/4"	Steel	Yes	Yes

THERMOMETERS

Part no.	Dial Diameter	Probe Length	Connection
MEJ700	2"	4"	1/2" NPT
MEJ701	2"	6"	
MEJ702	3"	4"	
MEJ703	3"	6"	

Globe, Angle, & Ball Valves

MEC GLOBE & ANGLE VALVES

MEC MARSHALLEXCELSIOR innovation made simple

Features:

- All stainless steel internal components with rotating seat disc design & V-Cup PTFE packing stem seals
- Double stem seal design ensures lek free operation
- Double lead stem thread ensures quick and efficient operation
- Durable ductile iron valve body with automotive grade powder coated finish
- 1-1/4" & larger globe valves have 35° seat angle for maximum product flow
- 1-1/4" & larger globe valves designed ergonomically correct for bobtail, transport, and bulk plant applications
- 1-3/4", 2-1/4" & 3-1/4" acme threads available on globe valves
- Rated for 400 WOG
- Operating temperature -40° to + Fahrenheit

ME815-2F

ME825-16

Part no.		Size	Side Port (QTY 2)
Angle Valve	Globe Valve		
ME815-4	ME825-4	1/2" FNPT	1/4"
ME815-6	ME825-6	3/4" FNPT	1/4"
ME815-8	ME825-8	1" FNPT	1/4"
ME815-10	ME825-10	1-1/4" FNPT	1/4"
ME815-12	ME825-12	1-1/2" FNPT	1/4"
ME815-16	ME825-16	2" FNPT	1/4"
-	ME824-16	2" FNPT	1/4"
ME815-2F	ME825-2F	2"-300LB FLANGED	1/4"
ME815-24	ME825-24	3" FNPT	1/4"
ME815-3F	ME825-3F	3"-300LB FLANGED	1/4"

NOTE: Additional seal trims available. To order, add "V" after the prefix part number for FKM or "T" for PTFE. i.e. ME815V-10 or ME815T-10.

ACCESSORIES

Part no.	Description
ME829	E-Z Turn Knob
ME815-16LHK	Push-To-Turn Locking Handwheel Kit

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Globe, Angle, & Ball Valves

MARSHALLEXCELSIOR innovation made simple

MEC EXCELA-FLANGE HIGH FLOW GLOBE & ANGLE VALVES

The ME813, ME819, & ME823 series valves feature Excela-Flange 4-bolt inlet/outlet design that can be easily adapted to both NPT thread or socket weld type A companion flanges (ME840 & ME841 Series). This system allows installers the ability to eliminate unnecessary connections as well as leak points by integrating a 4-bolt flange union at the valve inlet/outlet connections.

Part no.		Flange	Inlet	Outlet
Angle	Globe			
ME813-10	ME823-10	Double	4-Bolt Type B Flange	4-Bolt Type B Flange
ME813-16	ME823-16	Double		
-	ME819-10	Single		1-1/4" FNPT
-	ME819-16	Single		2" FNPT

NOTE: Additional configurations available, please contact customer service for more info

ME813 SERIES

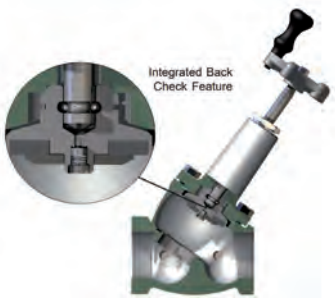
ME819 SERIES

MEC PILOT & INTEGRATED BACK CHECK GLOBE & ANGLE VALVES

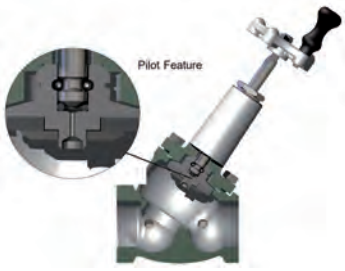
Pilot Feature: (P) This valve model incorporates a pilot orifice feature to facilitate pressure equalization in sections of system piping that have bidirectional flow or high differential pressures. This prevents backpressure build-up which greatly reduces the opening torque required and prevents premature wear of the valve seat.

Integrated Back Check Feature: (IBC) These valve models incorporate an integrated backcheck feature to allow trapped downstream pressure to automatically bypass to the upstream side of the valve. These valves are designed for systems with flow in one direction, creating a loop system that prevents the product from relieving to the atmosphere, making for a lower emission environmentally friendly option.

Part no.				Size (FNPT)	Port (FNPT)
Angle		Globe			
IBC	Pilot	IBC	Pilot		
ME815IBC-16	ME815P-16	ME825IBC-16	ME825P-16	2"	2x 1/4"
-	-	ME824IBC-16	ME824P-16	2"	2x 1/2"



INTEGRATED BACK CHECK



PILOT FEATURE

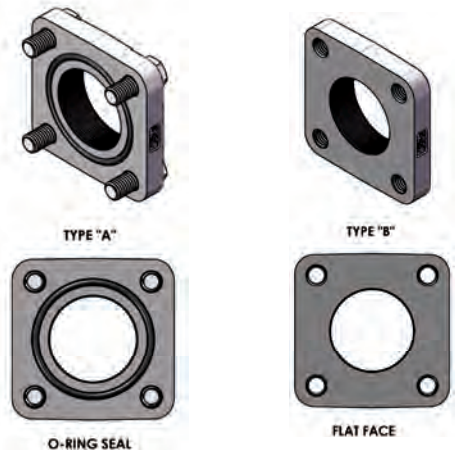
MEC FLANGE KITS

Features:

- Available in 1-1/4" - 2" FNPT or Socket Weld configurations
- 400WOG Rating
- Cuts installation and maintenance labor time
- Type "A" flanges include bolts and o-ring

Part no.	Size	Flange Type
ME842-10-107	1-1/4" FNPT	B
ME843-10-107	1-1/4" SW	B
ME842-12-107	1-1/2" FNPT	B
ME843-12-107	1-1/2" SW	B
ME842-16-107	2" FNPT	B
ME843-16-107	2" SW	B
ME840-10F	1-1/4" FNPT	A
ME841-10F	1-1/4" SW	A
ME840-12F	1-1/2" FNPT	A
ME841-12F	1-1/2" SW	A
ME840-16F	2" FNPT	A
ME841-16F	2" SW	A

NOTE: Flanges are also available in Stainless Steel - add SS after part # prefix (i.e. ME841SS-16F)



FLANGE - TYPE A

FLANGE - TYPE B

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Internal Valves

MEC MARSHALLEXCELSIOR innovation made simple

MEC THREADED INTERNAL VALVES

ME990
The ME990 Series internal valves are intended for use on bobtails, transport trucks, and storage tanks in directional or bi-directional flow applications. Can be equipped with manual latch, pneumatic, or rotary actuator devices.

ME991
The ME991 Series internal valves feature the Excela-Flange 4-bolt outlet flange design that can be easily adapted to both NPT thread or socket weld Type B companion flanges ranging from 1-1/4" to 2" in diameter. This system reduces potential leak points and makes installation a breeze.

ME992
The ME992 Series Tee Body internal valves feature an additional side outlet, allowing for horizontal piping configurations without the need for extra pipe fittings.

Part no.				Valve Type	Tank Connection	Outlet Connection
Valve Only	Valve w/ Pneumatic Actuator	Valve w/ Rotary Actuator	Valve w/ Manual Latch			
ME990-10-"X"	ME990A-10-"X"	ME990AR-10-"X"	ME990M-10-"X"	Standard	1-1/4" MNPT	1-1/4" FNPT
ME991-10-"X"	ME991A-10-"X"	ME991AR-10-"X"	ME991M-10-"X"	Excela-Flange	1-1/4" MNPT	Type A Flange
ME992-10-"X"	ME992A-10-"X"	ME992AR-10-"X"	ME992M-10-"X"	Tee Body	1-1/4" MNPT	1-1/4" FNPT
ME990-10/12-"X"	ME990A-10/12-"X"	ME990AR-10/12-"X"	ME990M-10/12-"X"	Standard	1-1/4" MNPT	1-1/2" FNPT
ME992-12-"X"	ME992A-12-"X"	ME992AR-12-"X"	ME992M-12-"X"	Tee Body	1-1/2" MNPT	1-1/2" FNPT
ME990-16-"X"*	ME990A-16-"X"	ME990AR-16-"X"	ME990M-16-"X"	Standard	2" MNPT	2" FNPT
ME992-16-"X"*	ME992A-16-"X"	ME992AR-16-"X"	ME992M-16-"X"	Tee Body	2" MNPT	2" FNPT
ME990-24-"X"*	ME990A-24-"X"	ME990AR-24-"X"	ME990M-24-"X"	Standard	3" MNPT	3" FNPT
ME992-24-"X"*	ME992A-24-"X"	ME992AR-24-"X"	ME992M-24-"X"	Tee Body	3" MNPT	3" FNPT

**Available in Stainless Steel - Add "SS" to prefix (i.e. ME990SS)*

AVAILABLE CLOSING FLOW RATES (GPM)

"X"	1-1/4"	1-1/2"	2"	3"
35	X			
50		X		
55	X			
65		X		
85	X	X		
110		X	X	
120		X		
160			X	
175				X
250				X
260			X	
300				X
375				X
400				X
475				X
500				X

ME990-24

ME991-10

ME992-12

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Internal Valves

MARSHALLEXCELSIOR
innovation made simple

MEC FLANGED INTERNAL VALVES

Marshall Excelsior manufactures a variety of sizes and configurations of flanged internal valves for use on bobtail delivery trucks, transport trucks, and large storage tanks. All valve models are equipped with a break-away feature in the cast body which permits the pump or piping to shear off in the event of side impact, leaving the valve poppet intact and protecting the tank from catastrophic product loss.

ME990S-3DF

ME990S-3DFO

ME990S-3F

ME993S

ME990-3DFO SERIES OFFSET INTERNAL VALVES

These valves prevent pump installation interference with truck frame rails, cross members, PTO covers, drive shafts, and other common obstacles when remounting bobtail vessels onto new chassis. The offset valve is equipped standard with three separate packing gland locations to prevent interference while mounting the valve actuator no matter how you choose to mount the valve.

Part no.				Valve Type	Tank Connection	Outlet Connection
Valve Only	Valve w/ Pneumatic Actuator	Valve w/ Rotary Actuator	Valve w/ Manual Latch			
ME990S-2F-16-"X"*	ME990SA-2F-16-"X"	ME990SAR-2F-16-"X"	-	Single Flange	2" 300# Modified Flange	2" FNPT
ME990S-2DFM-"X"*	ME990SA-2DFM-"X"	ME990SAR-2DFM-"X"	-	Double Flange	2" 300# Modified Flange	2" 300# Modified Flange
ME991-16-"X"*	ME991A-16-"X"	ME991AR-16-"X"	ME991M-16-"X"	Single Flange	2" MNPT	2" 300# Flange
ME992S-2F-16-"X"*	ME992SA-2F-16-"X"	ME992SAR-2F-16-"X"	-	Tee Body	2" 300# Modified Flange	2" FNPT (2)
ME993S-16-"X"	ME993SA-16-"X"	ME993SAR-16-"X"	-	Tee Body	2" 300# Modified Flange	2" 300# Modified Flange (2)
ME990-3F-"X"	ME990A-3F-"X"	-	-	Single Flange	-	3" 300# Flange
ME990S-3F-24-"X"*	ME990SA-3F-24-"X"	ME990SAR-3F-24-"X"	-	Single Flange	3" 300# Modified Flange	3" FNPT
ME990S-3DF-"X"*	ME990SA-3DF-"X"	ME990SAR-3DF-"X"	-	Double Flange	3" 300# Flange	3" 300# Flange
ME990S-3DFM-"X"*	ME990SA-3DFM-"X"	ME990SAR-3DFM-"X"	-	Double Flange	3" 300# Modified Flange	3" 300# Modified Flange
ME990S-3DFO-"X"*	ME990SA-3DFO-"X"	ME990SAR-3DFO-"X"	-	DF Offset	3" 300# Flange	3" 300# Flange
ME991-24-"X"*	ME991A-24-"X"	ME991AR-24-"X"	ME991M-24-"X"	Single Flange	3" MNPT	3" 300# Flange
ME992S-3F-24-"X"*	ME992SA-3F-24-"X"	ME992SAR-3F-24-"X"	-	Tee Body	3" 300# Modified Flange	3" FNPT (2)
ME993S-24-"X"	ME993SA-24-"X"	ME993SAR-24-"X"	-	Tee Body	3" 300# Modified Flange	3" 300# Modified Flange (2)
ME990-4F-"X"	ME990A-4F-"X"	ME990AR-4F-"X"	ME990M-4F-"X"	Single Flange	-	4" 300# Flange
-	-	ME990SAR-4DFM-"X"*	-	Double Flange	4" 300# Modified Flange	4" 300# Modified Flange

**Available in Stainless Steel - Add "SS" to prefix (i.e. ME990SS)*

AVAILABLE CLOSING FLOW RATES (GPM)

"X"	2"	3"	4" SF	4" DF
110	X			
160	X			
175		X		
250		X		
260	X			
300		X		
375		X	X	X
400		X		
475		X		
500		X	X	X
650			X	X
800				X
850			X	
900				X
1000				X
1250			X	
1500			X	

STUDS, NUTS, AND GASKETS

Internal Valve Series	Part no.			
	Top Gasket Valve/Tank	Bottom Gasket Pump/Valve	Studs	Nuts
ME990-2F-16, ME992S-2F-16	ME980SK-16-103	-	ME990-2F-16-103	ME980SK-16-102
ME991-16	-	ME980SK-16-103	ME990-2F-16-103	ME980SK-16-102
ME990-3F-24, ME992S-3F-24	ME904S-3F-027	-	ME904SK-01	ME990-152
ME991-24	-	ME904S-3F-027	ME904SK-01	ME904SK-02
ME990-3F	ME990-3DF-153	ME990-3F-109	ME990-3F-110-01	(8) ME990-152, (8) ME904SK-02
ME990-4F	ME990-4F-153	ME990-4F-172	ME990-4F-151	(8) ME990-152, (8) ME904SK-02
ME990S-2DFM	ME980SK-16-103	ME980SK-16-103	ME980-2F-16-103	ME980SK-16-102
ME990S-3DF, ME990S-3DFO	ME990-3DF-153	ME904S-3F-027	ME990-151	ME904SK-02
ME990S-3DFM	ME904S-3F-027	ME904S-3F-027	ME990-151	ME904SK-02
ME990SAR-4DFM	ME990-4DFM-129	ME990-4DFM-129	ME990-151	ME904SK-02

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Emergency Shutoff Valves

MARSHALLEXCELSIOR innovation made simple

MEC EMERGENCY SHUTOFF VALVES FOR BULK PLANTS

- MEC Emergency Shutoff Valves for Bulk Plants
  Powder-coated ductile iron body with cast hexagonal ends for maximum durability and ease of installation
- Integral swing-away check valve with soft seat to promote maximum product flow and minimize product loss in the event of a line failure
- All stainless steel internal component construction provides maximum corrosion resistance
- Provides clear visual indication if valve is open or closed
- UL listed for use with LP Gas and Anhydrous Ammonia - 400 PSI WOG
- Integral fusible element for automatic closure when exposed to fire
- Durable PTFE packing gland and resilient seals provide long-lasting service life

ME980-10

ME980-16-2F

Part no.				Inlet/Outlet	OAL
Pneumatic Latch	Cable Latch	w/ Pneumatic Actuator	w/ Rotary Actuator		
ME980-6	ME980C-6	-	-	3/4" FNPT	4-3/4"
ME980-8	ME980C-8	-	-	1" FNPT	4-3/4"
ME980-10	ME980C-10	ME980A-10	ME980AR-10	1-1/4" FNPT	5-3/8"
ME980-12	ME980C-12	ME980A-12	ME980AR-12	1-1/2" FNPT	5-3/8"
ME980-16	ME980C-16	ME980A-16	ME980AR-16	2" FNPT	6-7/8"
ME980-16-2F	ME980C-16-2F	ME980A-16-2F	ME980AR-16-2F	2" 300# Flange	11-7/8"
ME980-24	ME980C-24	ME980A-24	ME980AR-24	3" FNPT	9-5/8"
ME980-24-3F	ME980C-24-3F	ME980A-24-3F	ME980AR-24-3F	3" 300# Flange	14-1/8"
ME980-24-4F	ME980C-24-4F	ME980A-24-4F	ME980AR-24-4F	4" 300# Flange	14-1/4"

ACCESSORIES

Part no.	Description
ME980SK-16	Stud/Nut Kit for 2" Flanged ESVs
ME980SK-24	Stud/Nut Kit for 3" & 4" Flanged ESVs

REPAIR KITS

Valve Size	Part no.	
	Seal Repair Kit	Complete Repair Kit
3/4" - 1"	ME980-6SRK	ME980-6K
1-1/4"	ME980-10SRK	ME980-10K
1-1/2"	ME980-12SRK	ME980-12K
2"	ME980-16SRK	ME980-16K
3"-4"	ME980-24SRK	ME980-24K

MEC EXCELERATOR HIGH FLOW RAILCAR EMERGENCY SHUTOFF VALVES

Excelerator Railcar ESVs are designed to provide rapid and positive shutdown of gas lines should a downstream rupture or piping break occur during product transfer. They feature a built-in fusible element at the valve opening hub to ensure the ESV will automatically close when exposed to heat between 212°F and 250°F. Additionally, the Excelerator railcar ESVs are equipped with a poppet design similar to the MEC internal safety valves that provides an integral excess flow feature.

Part no.	Description	Closing Flow
ME983-16-150	High Flow Railecar ESV 2" FNPT X 2" FNPT	150 GPM*
ME983-16-250	High Flow Railecar ESV 2" FNPT X 2" FNPT	250 GPM
ME983-16-500	High Flow Railecar ESV 2" FNPT X 2" FNPT	500 GPM
ME983-16	High Flow Railecar ESV 2" FNPT X 2" FNPT	-

REPAIR KITS

Part no.	Description
ME983-SRK	Seal Repair Kit - Nitrile
ME983-VRK	Complete Valve Repair Kit - Nitrile
ME983-121	Replacement QD Nipple

ME983-16

** Recommended for vapor service - approx. closing flow 71,000 SCFH*
Note: To order with Viton (V), Kalrez (K), or Neoprene (N) seals, add appropriate designator to part# prefex (i.e. ME983V-16)

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Actuators & Pneumatic Accessories

BRAKE CHAMBER STYLE ACTUATORS

These actuators are intended to be used at remote locations or operated directly off the air brake system in bobtail or transport applications. The actuator's smooth-acting cam opens the internal valve lever when air, nitrogen, or carbon dioxide is applied to the line. When pressure to the line is released, the internal valve automatically closes.

ROTARY STYLE ACTUATORS

These actuators are designed to maximize the life of the internal valve by eliminating side pressure on the valve's packing stem. The low-temp factory seals allow these actuators to be used with air, nitrogen, carbon dioxide, or LP-Gas vapor.

TECH TIP: All actuators include a thermal plug which melts between 208°F and 220°F, releasing pressure and closing the valve.

INTERNAL VALVE ACTUATORS

Internal Valve	Part no.	
	Brake Chamber Style	Rotary Style
1-1/4" Threaded	ME205	ME225
3" Threaded & All 2"	ME206	ME226
3" Single Flange	ME207SF	ME226
3" Double Flange	ME207	ME227
4" Single Flange	ME208SF	ME228

ESV ACTUATORS

Part no.	
Brake Chamber Style	Rotary Style
ME551	ME552

ME551

ADDITIONAL INTERNAL VALVE ACTUATORS

Part no.	Description
ME205R	MEC Brake Chamber Style Actuator for RegO 1-1/4" Internal Valves

CABLE & LATCH RELEASES

CABLE & LATCH RELEASES FOR INTERNAL VALVES

Part no.	Description
Cable Style Remote Releases	
MEP980PN-100	Pneumatic Control/E-Stop Kit
MEP650	Open/Close Release w/ 50' Cable
MEP651	Cable Release Only
Latch-Style Remote Releases	
ME990-10-902	Release for 1-1/4" Internal Valves
MEP990-24	Manual Latch for 2" & 3" Internal Valves
MEP990-4F	Latch Release for 4" Internal Valves

MEP650

CABLE RELEASES FOR ESVS

Part no.	Description
ME980-905-25	25' Cable Release
ME980-905-50	50' Cable Release
ME980-905	Release Only- No cable
ME980-904K	Pneumatic Release

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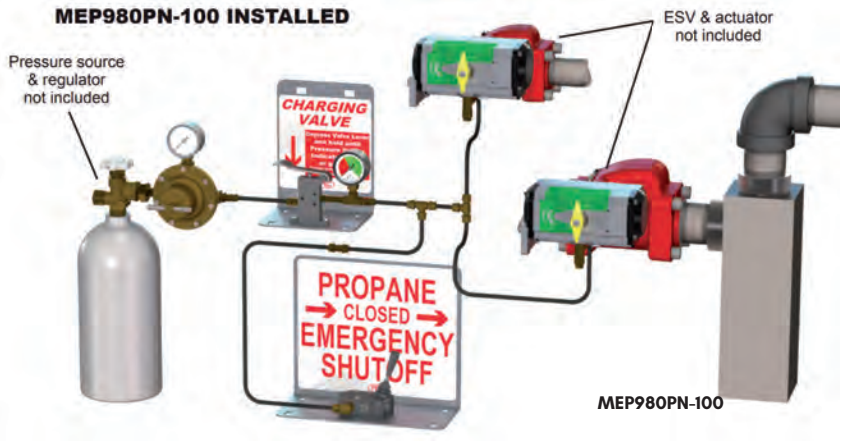
Actuators & Pneumatic Accessories

MEC REMOTE VALVE KIT

Used in conjunction with pneumatic controlled emergency shutoff valves or internal valves to remotely open and close using compressed gas. Each kit includes all necessary components for connecting and charging a pneumatic control system complete with brackets, mounting hardware, and necessary placarding in a variety of orientations for fast & reliable remote system shutdown.

Part no.	Description
MEP980PN-100	MEC Complete Pneumatic Controls / E-Stop Kit w/ Placards & 100' Poly Tubing
MEP980PN-105	Compression Tube Extension Adapter - 1/8" MNPT x 1/4" CC
MEP980PN-106	Compression Tube Extension Tee - 1/4" CC
MEP980PN-113	Tubing Extension 1/4" x 100 ft roll



Back Check Valves, Flow Indicators, & Strainers

BACK CHECK VALVES

Back check valves provide flow protection to container openings or liquid lines where flow is intended for one direction. The valve is normally closed until pressure activates the valve when flow is directed into piping or containers causing the back check to open. When flow stops or reverses, the check returns to the closed position. MEC's back check valves feature a dual-purpose removable o-ring for optional metal-to-metal seating.

MEC BACK CHECK VALVES

Part no.			Outlet	Inlet	Seat	Propane Flow GPM
Brass	Steel	Stainless				
ME870-6	ME870S-6	ME870SS-6	3/4" MNPT	3/4" FNPT	Removable Soft Seat	24
ME870-10	ME870S-10	ME870SS-10	1-1/4" MNPT	1-1/4" FNPT		61
ME870-12	-	-	1-1/2" MNPT	1-1/2" FNPT		112
ME870-16	ME870S-16	ME870SS-16	2" MNPT	2" FNPT		187
-	ME872S-16	-	2" MNPT	2" MNPT		187
-	ME870S-24	-	3" MNPT	3" FNPT		449
-	ME872S-24	-	3" MNPT	3" MNPT & 2" FNPT		449
-	ME870SBN-10	-	1-1/4" MNPT	1-1/4" FNPT	Bonded Soft Seat	61
-	ME870SBN-16	-	2" MNPT	2" FNPT		187
-	ME872SBN-16	-	2" MNPT	2" MNPT		187
-	ME870SBN-24	-	3" MNPT	3" FNPT		449
-	ME872SBN-24	-	3" MNPT	3" MNPT & 2" FNPT		449

ME870S-16

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Shop online at www.TeecoProducts.com

Back Check Valves, Flow Indicators, & Strainers

MEC SWING CHECK VALVES

The ME981 series swing check valves provide a soft seat back check valve to prevent reverse product flow. The large, easy-read flow indicator gives operators a visual inspection point for monitoring liquid flow conditions.

Part no.		Inlet/Outlet
Flow Indicator	Standard	
ME981-10	ME982-10	1-1/4" FNPT
ME981-16	ME982-16	2" FNPT
ME981-16-2F	ME982-16-2F	2" 300# Flange
ME981-24	ME982-24	3" FNPT
ME981-24-3F	ME982-24-3F	3" 300# Flange
ME981-24-4F	ME982-24-4F	4" 300# Flange

ME981-10

MEC SIGHT FLOW INDICATORS

Enables visual inspection of liquid flow conditions. Includes integral swing check serving as back check valve. May be used as an emergency shutoff valve. 400 PSI WOG.

Part no.	Inlet/Outlet
ME875S-16	2" FNPT
ME874S-16	Type B Flange
ME875S-24	3" FNPT
ME875S-3F	3" 300# Flange

ME875S-3F

Note: Standard valves use Nitrile seat material. All models also available with Neoprene (N) or Viton (V). Add delimiter to end of part # prefix to order i.e. ME875SV-24.

OPW ENGINEERING VISI-FLO SIGHT FLOW INDICATORS

Features:

- Cast Bronze Body
- 400 psi Working Pressure
- Low Pressure Drop
- Does NOT Have a Back Check

VISI-FLO VALVE

Part no.	Description	Length
1532-0240	3/4" Sight Flow	4-1/8"
1532-0250	1" Sight Flow	4-1/8"
1532-0260	1-1/4" Sight Flow	5-1/4"
1500RK-0100B	Repair Kit*	3/4" & 1"
1500RK-0200B		1-1/4"

** Includes top and bottom seals, glass, gaskets and instructions*

MEC Y-STRAINERS

Features:

- Durable ductile iron body with automotive grade powder coat finish
- Rated 600 PSI / WOG
- Optional factory installed plug*
- Designed for LP-Gas or NH_3

STRAINERS

Part no.			Blow-Off Plug Size	Inlet/Outlet
20 Mesh Screen	40 Mesh Screen	80 Mesh Screen		
ME650S/20	ME650S	ME650S/80	1/2"	1/2" FNPT
ME651S/20	ME651S	ME651S/80	1/2"	3/4" FNPT
ME652S/20	ME652S	ME652S/80	3/4"	1" FNPT
ME653S/20	ME653S	ME653S/80	3/4"	1-1/4" FNPT
-	ME654S	-	1"	1-1/2" FNPT
ME655S/20	ME655S	ME655S/80	1"	2" FNPT
-	ME655S-2F	-	1"	2"-300 LB Flange
-	ME656S	ME656S/80	1-1/4"	3" FNPT
-	ME656S-3F	-	1-1/4"	3"-300 LB Flange
-	ME656S-4F	-	1-1/4"	4"-300 LB Flange

** To add a factory installed plug use a "P" after the prefix number i.e. ME650SP/20*

ME656S-3F-901

ME656S-3F

REPLACEMENT SCREENS

Valve Size	Part no.		
	20 Mesh Screen	40 Mesh Screen	80 Mesh Screen
1/2"	ME650-03/20	ME650-03	ME650-03/80
3/4"			
1"	ME652-03/20	ME652-03	ME652-03/80
1-1/4"	ME653-02/20	ME653-02	ME653-02/80
1-1/2"	-	ME654-03	-
2"	ME655-03/20	ME655-03	ME655-03/80
3"	-	ME656-03	ME656-03/80

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Excess Flow Valves

EXCESS FLOW VALVES

Excess flow check valves are designed to close upon excessive discharge of liquid or vapor resulting from a break in the piping system. When the flow rate exceeds the valve setting, the valve closes and remains closed until the system pressure equalizes.
If the flow does not exceed the setting the valve will not close. Careful consideration should be given to valve selection.

ME350 SERIES

Application/ Service	Part no.		Inlet	Outlet	Liquid GPM Closing Rate
	Brass	Steel			
In-Line	ME355EX18	-	Male POL	1/2" SAE Flare	1.8
	ME356EX18	-	Male POL	5/8" SAE Flare	1.8
	ME354EX18	-	Male POL	1/2" MNPT	1.8
	ME880-4/1.8	-	1/4" MNPT	1/4 FNPT	1.8
Tanks & In-Line	ME880-6/4.6	ME880S-6/4.6	3/4" MNPT	3/4" FNPT	4.6
	ME880-6/14	ME880S-6/14	3/4" MNPT	3/4" FNPT	14
	ME880-6/17	ME880S-6/17	3/4" MNPT	3/4" FNPT	17
	ME880-6/22	ME880S-6/22	3/4" MNPT	3/4" FNPT	22
	ME880-6/28	ME880-6/28	3/4" MNPT	3/4" FNPT	28
	ME880-10/32	ME880S-10/32	1-1/4" MNPT	1-1/4" FNPT	32
	ME880-10/42	ME880S-10/42	1-1/4" MNPT	1-1/4" FNPT	42
	ME880-16/80	ME880S-16/80	2" MNPT	2" FNPT	80
	ME880-16/105	ME880S-16/105	2" MNPT	2" FNPT	105
	ME880-16/114	ME880S-16/114	2" MNPT	2" FNPT	114
	-	ME880S-24/265	3" MNPT	3" FNPT	265
	-	ME880S-24/350	3" MNPT	3" FNPT	350
Application/ Service	**Part no.**		**Inlet**	**Outlet**	**Liquid GPM Closing Rate**
	Brass	**Steel**			
Tanks	-	ME882S-16/80	2" MNPT	2" MNPT	80
	-	ME882S-16/105	2"MNPT	2"MNPT	105
	-	ME882S-16/114	2"MNPT	2"MNPT	114
	-	ME880S-24/265	3" MNPT	3"MNPT	265
	-	ME880S-24/350	3" MNPT	3" MNPT	350
	-	ME882S-24/265	3" MNPT	3" MNPT X 2" FNPT	265
	-	ME882S-24/350	3" MNPT	3" MNPT X 2" FNPT	350
	-	ME882S-16/80	2" MNPT	2" MNPT	80
	-	ME882S-16/105	2"MNPT	2"MNPT	105
	-	ME882S-16/114	2"MNPT	2"MNPT	114
	-	ME880S-24/265	3" MNPT	3"MNPT	265
	-	ME880S-24/350	3" MNPT	3" MNPT	350
	-	ME882S-24/265	3" MNPT	3" MNPT X 2" FNPT	265
	-	ME882S-24/350	3" MNPT	3" MNPT X 2" FNPT	350

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Shop online at **www.TeecoProducts.com**

Relief Valves

THREADED TRUCK RELIEF VALVES

Designed for use with mobile LPG & NH3 storage containers as a primary pressure relief for bobtail and transport trailer installations.

Part no.	Tank Connection	Relief Setting	LPG	NH_3	Rain Cap	Installation Wrench	Seal Material
MEV200FIR/250 [4]	2" MNPT	250	YES	NO [4]	MEV200FIR-09	MEP200FIR	Nitrile
MEV200FIR/265		265	YES	YES			Nitrile
MEV200FIREP265 [1]		265	NO	YES			EPR/EPDM
MEV200FIRV/250		250	YES	NO			FKM
MEV200FIRV/265		265	YES	NO			FKM
MEV200FIRK/250 [1]		250	YES	YES			FFKM [3]
MEV200FIRK/265 [1]		265	YES	YES			FFKM [3]
MEV200FIRNP/250		250	NO	YES			NEOPRENE
MEV200FIRNP/265		265	NO	YES			NEOPRENE
MEV300FIR/250 [4]	3" MNPT	250	YES	NO [4]	MEV300FIR-09	MEP300FIR	Nitrile
MEV300FIR/265		265	YES	YES			Nitrile
MEV300FIREP/265 [1]		265	NO	YES			EPR/EPDM
MEV300FIRK/250 [1]		250	YES	YES			FFKM [3]
MEV300FIRK/265 [1]		265	YES	YES			FFKM [3]
MEV300FIRV/250		250	YES	NO			FKM
MEV300FIRV/265		265	YES	NO			FKM
MEV300FIRNP/250 [1]		250	NO	YES			NEOPRENE
MEV300FIRNP/265 [1]		265	NO	YES			NEOPRENE

MEV200FIR

1 - FFKM, Neoprene and EPR/EPDM not UL Listed
3 - Recommended for LPG and NH_3 Dual service Applications
4 - For NH_3 add "HN" after the prefix for hydrogenated nitrile part number - i.e. MEV200FIRNH/250

FLANGED TRUCK RELIEF VALVES

Part no.	Tank Connection	Relief Setting	LPG	NH_3	Rain Cap	Seal Material
MEV300FIR-3F/250	3" 300# Flange	250	YES	NO [4]	MEV300FIR-09	Nitrile
MEV300FIR-3F/265		265	YES	YES		
MEV300FIRV-3F/250		250	YES	NO		FKM
MEV300FIRV-3F/265		265	YES	NO		
MEV300FIRK-3F/250		250	YES	YES		FFKM [3]
MEV300FIRK-3F/265		265	YES	YES		

MEV300FIR-3F

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Relief Valves

MARSHALLEXCELSIOR innovation made simple

STORAGE TANK RELIEF VALVES

Part no.	Tank Connection	Relief Setting	Material	LPG	NH_3	Rain Cap	Pipeaway Adaptor	Seal Material
MEV200SIR/125	2" MNPT	125	Brass	YES	NO	MEV200SIR-106	MEP104-24	Nitrile
MEV200SIR/250		250	Brass	YES	NO			
MEV200SSIR/250		250	Stainless	YES	YES			
MEV200SIR/265		265	Brass	YES	NO			
MEV200SSIR/265		265	Stainless	YES	YES			
MEV200SIRV/125		125	Brass	YES	NO			FKM
MEV200SIRV/250		250	Brass	YES	NO			
MEV200SSIRV/250		250	Stainless	YES	YES			
MEV200SIRV/265		265	Brass	YES	NO			
MEV200SSIRV/265		265	Stainless	YES	YES			
MEV200SIRK/125*		125	Brass	YES	NO			FFKM
MEV200SIRK/250*		250	Brass	YES	NO			
MEV200SSIRK/250*		250	Stainless	YES	YES			
MEV200SIRK/265*		265	Brass	YES	NO			
MEV200SSIRK/265*		265	Stainless	YES	YES			

MEV200SSIR

MEC ME910P PILOT OPERATED RELIEF VALVE

Designed for use with large LP-Gas and NH3 stationary storage container applications with 4"- 300# ANSI flanged openings. The pilot valve-controlled relief mechanism allows for precision start to discharge set points in conjunction with the high flow angled seat design for high relief flow capacity in a simplified design which eliminates the need for traditional external pressure relief valves. The dual pilot valve design allows for the change of either pilot valve without taking the storage container out of service, significantly reducing cost of future service and replacement. The relief port is designed with a 4" FNPT threaded outlet, allowing convenient discharge pipeaway if necessary.

Part no.	Flange Size	Discharge Set Pressure PSIG	Replacment Pilots		Listing/ Approval	Required Installation Accessories		Flow Rate, SCFM
			Left	Right		Gasket	Stud/Nut Kit	
ME910P/250-ASME	4" - 300#	250	ME910PK/250-1-ASME	ME910PK/250-2-ASME	ASME Sect VIII, Div.1	ME904S-4F-027	ME904SK	44,278

ACCESSORIES

Part no.	Description
MEP910C	Replacement Weather Cap
MEP990-4DFM/3DFM	4" to 3" 300# Flange Reducer

MEP990-4DFM

NUMBER OF VALVES REQUIRED

Tank Size	ME910P	Quadport
30,000 Gal	1	1
45,000 Gal	1	2
60,000 Gal	1	2
90,000 Gal	2	2
120,000 Gal	2	3

Note: Relief capacity calculations are based on surface area of tank, which may vary by manufacturer.

ME910P

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Relief Valves

MEC QUAD-PORT RELIEF VALVE MANIFOLDS

Features:

- Ductile Iron Body
- All Stainless Steel Internal Components
- Durable Teflon V-Pack Stem Seals
- Large Diameter Port Selection Handle and Port Indicator
- Molded Rubber Weather Guard for Manifold Rotary Gear
- Available with 250 PSIG and 265 PSIG Relief Valve Set Pressures
- Integral Break-Away Feature leaves seal and seat intact
- Supplied with Weep Hole Deflector and Hex Socket Plugs
- 3-1/2" - 8 Outlet Thread accepts 3" MPT Pipeaways

Part no.	Relief Setting	Application		300# Flange Size	Relief Valve		Flow Rating	Accessory
		LPG	NH_3		# of Valves	Valve P/N	SCFM	Stud/Nut Kit
ME903S-3F/250VM	250 PSIG	YES	NO	3"	3	MEV250VM/250	20,400	
ME903S-3F/250CN*	250 PSIG	YES	YES	3"	3	MEV250CN/250	20,400	
ME903S-4F/250VM	250 PSIG	YES	NO	4"	3	MEV250VM/250	20,400	
ME903S-4F/250CN*	250 PSIG	YES	YES	4"	3	MEV250CN/250	20,400	
ME904S-3F/250VM	250 PSIG	YES	NO	3"	4	MEV250VM/250	27,740	
ME904S-3F/250CN*	250 PSIG	YES	YES	3"	4	MEV250CN/250	27,740	
ME904S-4F/250VM	250 PSIG	YES	NO	4"	4	MEV250VM/250	27,740	
ME904S-4F/250CN*	250 PSIG	YES	YES	4"	4	MEV250CN/250	27,740	
ME903S-3F/265VM	265 PSIG	YES	NO	3"	3	MEV250VM/265	20,555	
ME903S-3F/265CN*	265 PSIG	YES	YES	3"	3	MEV250CN/265	20,555	
ME903S-4F/265VM	265 PSIG	YES	NO	4"	3	MEV250VM/265	20,555	
ME903S-4F/265CN*	265 PSIG	YES	YES	4"	3	MEV250CN/265	20,555	
ME904S-3F/265VM	265 PSIG	YES	NO	3"	4	MEV250VM/265	28,550	
ME904S-3F/265CN*	265 PSIG	YES	YES	3"	4	MEV250CN/265	28,550	
ME903S-4F/265VM	265 PSIG	YES	NO	4"	4	MEV250VM/265	28,550	
ME903S-4F/265CN*	265 PSIG	YES	YES	4"	4	MEV250CN/265	28,550	

ME904SK

ME904S

**Relief Valve seat material not UL listed*

MEC MINI QUAD-PORT RELIEF VALVE MANIFOLDS

Features:

- Heavy Duty Ductile Iron Body
- All Stainless Steel Internal Components
- Durable Teflon V-Pack Stem Seals
- Large Diameter Port Selection Handle and Port Indicator
- Molded Rubber Weather Guard for Manifold Rotary Gear with Port Plug
- Available with 250 PSIG and 265 PSIG Relief Valve Set Pressures
- Vapor Equalizing Feature for Easy Port to Port Rotation
- Includes Tank Stabilizer Nut for Maximum Strength at Container Connection

Part no.	Relief Setting	Application		Connection	Relief Valve		Flow Rating
		LPG	NH_3		# of Valves	Valve P/N	SCFM
ME902S-16B/250	250 PSIG	YES	NO	2" MNPT	2	MEV125B/250	5,115 (1)
ME902S-16/250	250 PSIG	NO	YES	2" MNPT	2	MEV125/250	5,115 (1)
ME902S-16/265	265 PSIG	NO	YES	2" MNPT	2	MEV125/265	5,855 (1)
ME903S-16B/250	250 PSIG	YES	NO	2" MNPT	3	MEV125B/250	9,320 (2)
ME903S-16/250	250 PSIG	NO	YES	2" MNPT	3	MEV125/250	9,320 (2)
ME903S-16/265	265 PSIG	NO	YES	2" MNPT	3	MEV125/265	10,795 (2)
ME904S-16B/250	250 PSIG	YES	NO	2" MNPT	4	MEV125B/250	12,481 (3)
ME904S-16/250	250 PSIG	NO	YES	2" MNPT	4	MEV125/250	12,481 (3)
ME904S-16/265	265 PSIG	NO	YES	2" MNPT	4	MEV125/265	13,630 (3)

ME904S-16

ACCESSORIES

Part no.	Description
MEP178	Pipeaway Adapter for MEV125 Series
MEP178K	Pipeaway Adapter Kit for ME904S-16
MEP123	Installation/Removal Tool for MEV125 Series

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Relief Valves

HYDROSTATIC RELIEF VALVES

TECH TIP: Relief valves should be replaced based on the recommended service life from the manufacturer. It is recommended that all relief valves be regularly inspected for visible damage, dirt, corrosion, missing rain caps, paint inside outlet, tampering, etc. If any of the preceding is evident or questionable, the valve may need to be replaced immediately.

Part no.	Type	Thread Size	Material	Relief Setting PSIG	Pipeaway Adaptor	Rain Cap
MEH225	Hydrostatic	1/4" MNPT	Brass	440	–	–
MEH225SS/350			Stainless	350	–	MEH501-437
MEH225SS/400			Stainless	400	–	MEH501-437
MEH225SS			Stainless	440	–	MEH501-437
MEH25/450			Brass	450	MEP173	MEH501-812
MEH25K/450			Brass	450	MEP173	MEH501-812
MEH25V/450			Brass	450	MEP173	MEH501-812
MEJ602H			Brass	440	–	–
MEH50/460		1/2" MNPT	Brass	460	MEP174	MEH501-1.062
MEH75/460		3/4" MNPT	Brass	460	MEP174	MEH501-1.062

MEH25-450

1. Listed under UL® Section 132.
2. DOT cylinder water capacity 500 lbs. / 227 kg, approved by Bureau of Explosives and CGA.

RELIEF VALVE ACCESSORIES

Universal Rain Caps

Fits all standard relief valves. Has new sealed elastomer band with ozone and ultra-violet inhibitors.

Part no.	Cap ID	Cap Height	Fits
MEH501-437	0.437"	3/8"	MEH225, MEH225SS Series
MEH501-812	0.812"	1"	MEH225/450
MEH501-1.062	1.062"	3/4"	MEH50/460, MEH75/460
MEH501-1.5	1.500"	1"	–
MEH501-1.75	1.750"	1"	–
MEH501-2.25	2.250"	1"	–
MEV250-013*	3.974"	1/2"	MEV250 Series

MEH501

Universal Relief Valve Covers

These covers are intended to protect both internal & external relief valves ranging in size from 1/2" to 1-1/4" NPT from moisture and/or other possible contaminants. Using the universal "shower cap" style relief valve covers will allow technicians to carry two sizes that will protect the majority of domestic tank relief valves.

MEH502

Part no.	Description	Material
MEH502	Adjustable Relief Valve Cover 1/2" to 3/4"	Yellow Vinyl
MEH503	Adjustable Relief Valve Cover 3/4" to 1-1/4"	Yellow Vinyl

MEH503

Breakaway Pipeaway Adaptor

Designed to be installed between semi-internal pressure relief valves and vent stacks or at a point in plant plumbing where breakaway protection is needed.

BREAKAWAY PIPEAWAY ADAPTOR

Part no.	Size	Material
MEP104-24	3" NPT	Steel

MEP104-24

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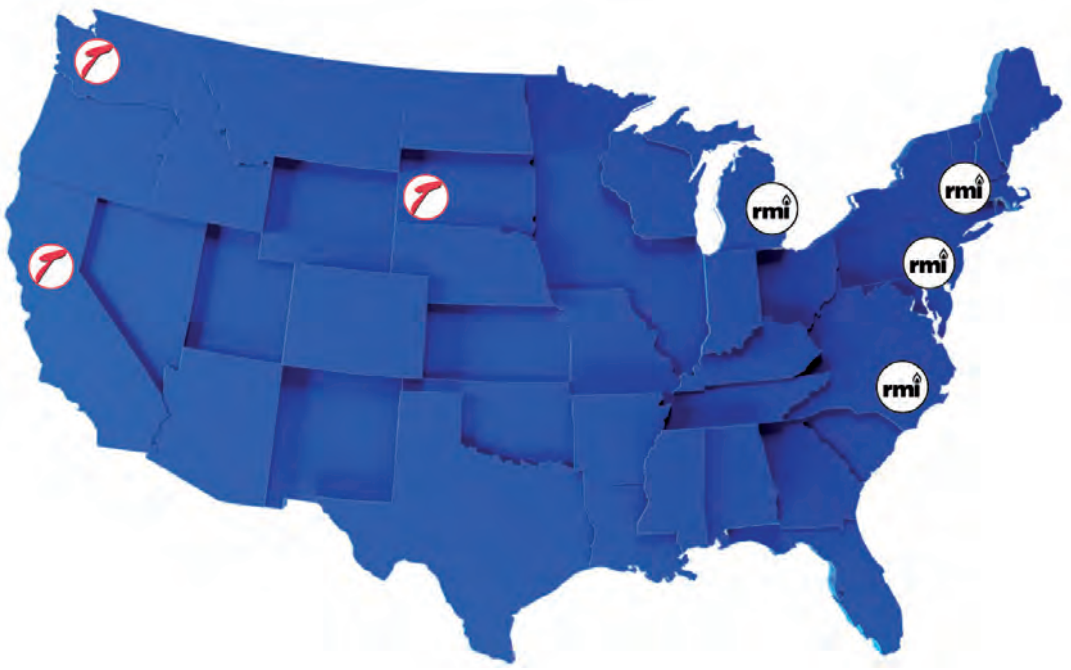

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