

First Stage Regulators



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 Excelsior 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.

RMI Part#	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.

RMI Part#	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

First Stage Regulators



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 Excelsior domestic regulators feature a 25 year recommended replacement life and the MEC exclusive tear away leak check adhesive sticker.



MEGR-1622H-JGJ

RMI Part#	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 Excelsior 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.

RMI Part#	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



Second Stage Regulators



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 Excelsa-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.



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



Second Stage Regulators



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



Non-stock/special order items are not cancellable or returnable

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2 PSI Regulators



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 Excelsa-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. Please see pages 34-36 for available line regulators.

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 Excelsa-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



Integral Two Stage Regulators



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 Excelsa-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.	Inlet	Outlet	Adjustment Range	Pressure Setting	Vent Location	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 Excelsa-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



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 Excelsior 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 is 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	Auxiliary 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-175CS6122E-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	Auxiliary 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

