

High Pressure Regulators

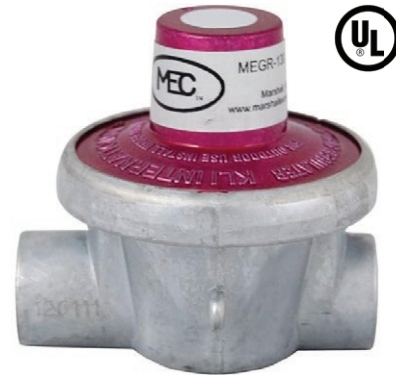


MEGR-130 SERIES SINGLE STAGE FIXED HIGH PRESSURE REGULATORS

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.

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-130-30

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.



MEGR-164-35

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

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



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.



MEGR-350-20

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-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	Perpendicular 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



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).

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-2104

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.

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



MEGR-11301F



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High Pressure Regulators



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.



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



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.



Commercial Low Pressure Regulators



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

The MEGR-IHSRL 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-SI202/MEGR-CSI200 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-SI202G-CNC

Part No.	Inlet/Outlet	Orifice	Range	Setting	Max Inlet Pressure	Capacity @ 25 PSI Inlet	Capacity @ 10 PSI Inlet
MEGR-IHSRL-BFC	3/4" FNPT	3/8"	6-14" WC	11" WC	40 PSI	-	2,000,000 BTU
MEGR-IHSRL-CFC	1" FNPT	3/8"	6-14" WC	11" WC	40 PSI	-	2,500,000 BTU
MEGR-CSI200IR6EC1	3/4" FNPT	1/2"	6-14" WC	11" WC	25 PSI	2,100,000 BTU	1,600,000 BTU
MEGR-CSI200IR6EC3	1" FNPT	1/2"	6-14" WC	11" WC	25 PSI	2,500,000 BTU	1,900,000 BTU
MEGR-CSI200IR6EC6	1-1/4" FNPT	1/2"	6-14" WC	11" WC	25 PSI	3,100,000 BTU	2,800,000 BTU
MEGR-CSI200IR7EC1	3/4" FNPT	5/16"	6-14" WC	7" WC	25 PSI	*1,250,000 BTU	*985,000 BTU
MEGR-CSI200IR7EC3	1" FNPT	5/16"	6-14" WC	7" WC	25 PSI	*1,620,000 BTU	*1,525,000 BTU
MEGR-SI202G-BNC	1-1/2" FNPT	1"	9-18" WC	11" WC	25 PSI	14,700,000 BTU	10,800,000 BTU
MEGR-SI202G-CNC	2" FNPT	1"	9-18" WC	11" WC	25 PSI	30,000,000 BTU	23,000,000 BTU
MEGR-SI202H-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



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



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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