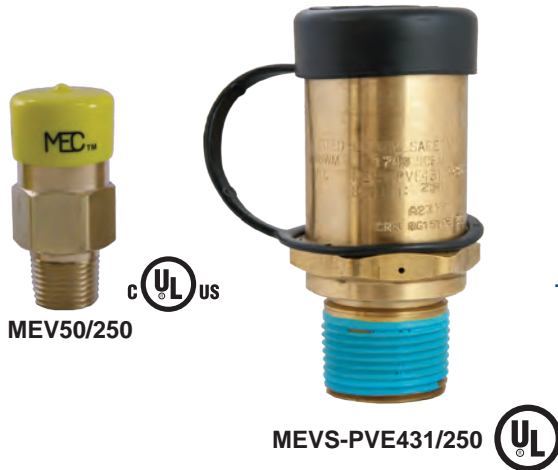


# EXTERNAL PRESSURE RELIEF VALVES

## 1/4" NPT ~ 1" NPT

Designed for installation in stationary ASME applications such as bulk plant, skid tanks, underground and above ground containers, as the primary pressure relief valve.

NOTE: This valve and all working parts are to be installed outside the container. Therefore, to ensure proper operation of the valve, the valve must be protected from damage and inspections performed as prescribed by Marshall Excelsior.



### FEATURES

- Brass construction for LP-Gas application
- Compact design to fit any application
- Stainless steel spring
- Specially designed internal components to increase flow at discharge
- Custom start-to-discharge settings available upon request
- Non-adjustable, tamper resistant design

Part No.	Container Connection	Seal Material *	Start-to-Discharge Setting PSIG	OAL	Wrench Hex	Flow Capacity SCFM/Air ** UL @ 120% Set Pressure	Application	Accessories
MEV25/60	1/4" MNPT	Nitrile	60 PSIG	1-59/64"	7/8"	—	LPG	MEP173 Pipeaway Adapter
MEV25/250	1/4" MNPT	Nitrile	250 PSIG	1-59/64"	7/8"	—	LPG	
MEV25/312	1/4" MNPT	Nitrile	312 PSIG	1-59/64"	7/8"	—	LPG	
MEV25/375	1/4" MNPT	Nitrile	375 PSIG	1-59/64"	7/8"	—	LPG	
MEV50/250	1/2" MNPT	Nitrile	250 PSIG	2-1/2"	1-1/8"	200	LPG	MEP174 Pipeaway Adapter
MEV50/375	1/2" MNPT	Nitrile	375 PSIG	2-1/2"	1-1/8"	—	LPG	
MEV75/250	3/4" MNPT	Nitrile	250 PSIG	2-21/32"	1-1/8"	—	LPG	
MEV75/312	3/4" MNPT	Nitrile	312 PSIG	2-21/32"	1-1/8"	—	LPG	
MEV75/375	3/4" MNPT	Nitrile	375 PSIG	2-21/32"	1-1/8"	—	LPG	MEPS-431 Pipeaway Adapter
MEVS-PVE431B/250	3/4" MNPT	Nitrile	250 PSIG	3-21/64"	1-3/4"	1,740	LPG	
MEVS-PVE431/250	1" MNPT	Nitrile	250 PSIG	4"	1-3/4"	1,740	LPG	

Note: Per NFPA Code #58, Table 5.9.2.6 (2017 Edition) area shown is for UL or ASME flow rating, which ever is greater

\* FKM and FFKM options available. Not UL Listed

\*\* Flow rates are shown for bare relief valves, pipeaways will reduce flow

# EXTERNAL PRESSURE RELIEF VALVES

## 1-1/4" & 2-1/2" NPT

NH<sub>3</sub>



**MEV125/250**  
(Aluminum)

LPG



**MEV125B/250**  
(Brass)



**MEV250VM/250**



**MEV125 Series** - Designed for use with large LPG & NH<sub>3</sub> storage containers as a primary pressure relief valve on ASME above and below ground bulk plant installations. All working components are external to the container connection away from possible product contaminants. Compatible with 1-1/4" FNPT multiple head units including ME902S-16, ME903S-16 & ME904S-16 Series Mini Quad-Port Manifolds.

**MEV250 Series** - Designed for use with storage containers as a primary pressure relief valve on ASME above and below ground installations. All working components and external to the container connection away from possible product contaminants. Compatible with all standard LPG pressure vessels with NPT couplings.

### FEATURES

- Durable single piece anodized aluminum or brass forged body
- Stainless steel internal components
- Standard Seal Material: HNBR (Nitrile) or FKM
- Available Seal Material: FFKM
- Outlet thread accepts MEP178 pipeaway for 2" FNPT pipeaway
- Includes plastic weather cap for relief valve outlet

MEP170



**MEP250**

Part No.	STD/PSIG	Seal Material <sup>(3)</sup>	Container Connection	OAL	Wrench Hex	Flow Capacity SCFM/AIR <sup>(1)</sup> UL @ 120% set pressure	Suitable for tanks w/ surface area up to: <sup>(2)</sup>	Application		Accessories
								LPG	NH <sub>3</sub>	
<b>MEV125B/250</b>	250 PSIG	Nitrile	1-1/4" MNPT	10-1/2"	2-11/16"	6,330	340 Sq. Ft.	YES	NO	MEV125-109 Replacement Cap
<b>MEV125B/265</b>	265 PSIG	Nitrile	1-1/4" MNPT	10-1/2"	2-11/16"	6,545	350 Sq. Ft.	YES	NO	
<b>MEV125BVM/250</b>	250 PSIG	FKM	1-1/4" MNPT	10-1/2"	2-11/16"	6,330	340 Sq. Ft.	YES	NO	
<b>MEV125BVM/265</b>	265 PSIG	FKM	1-1/4" MNPT	10-1/2"	2-11/16"	6,545	350 Sq. Ft.	YES	NO	
<b>MEV125/250</b>	250 PSIG	Nitrile	1-1/4" MNPT	10-1/2"	2-11/16"	6,330	340 Sq. Ft.	NO	YES	MEP178 Pipeaway Adapter
<b>MEV125/265</b>	265 PSIG	Nitrile	1-1/4" MNPT	10-1/2"	2-11/16"	6,545	350 Sq. Ft.	NO	YES	
<b>MEV125VM/250</b>	250 PSIG	FKM	1-1/4" MNPT	10-1/2"	2-11/16"	6,330	340 Sq. Ft.	YES	NO	MEP123 Installation / Removal Tool
<b>MEV125VM/265</b>	265 PSIG	FKM	1-1/4" MNPT	10-1/2"	2-11/16"	6,545	350 Sq. Ft.	YES	NO	
<b>MEV250VM/250</b>	250 PSIG	FKM	2-1/2" MNPT	10-1/2"	4-1/8"	10,333	610 Sq. Ft.	YES	NO	MEP170 Relief Valve Adapter
<b>MEV250CN/250</b>	250 PSIG	Nitrile	2-1/2" MNPT	10-1/2"	4-1/8"	10,333	610 Sq. Ft.	YES	YES	
<b>MEV250VM/265</b>	265 PSIG	FKM	2-1/2" MNPT	10-1/2"	4-1/8"	10,948	655 Sq. Ft.	YES	NO	MEP250 Installation / Removal Tool
<b>MEV250CN/265</b>	265 PSIG	Nitrile	2-1/2" MNPT	10-1/2"	4-1/8"	10,948	655 Sq. Ft.	YES	YES	

(1) Flow rates shown are for bare relief valves, pipeways will reduce flow rates.

(2) Per NFPA Code #58, Table 5.9.2.6 (2017 Edition) area shown is for UL or ASME flow rating, whichever is larger.

(3) For FFKM seal materials add "K" after the prefix part number - i.e. MEV125K/250



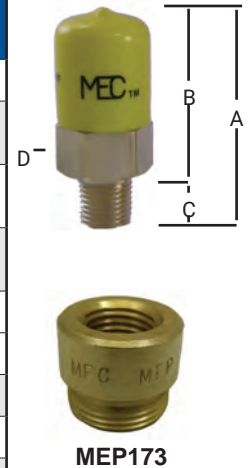
# HYDROSTATIC PRESSURE RELIEF VALVES

Designed to protect piping and shutoff valves from over pressure situations where liquid LP-Gas or NH<sub>3</sub> has the potential to be trapped. These relief valves provide pressure relief at or in excess of the stated pressure setting, protecting against line or plumbing system failures.

NOTE: NFPA #58 states, "Hydrostatic relief valves designed to relieve the hydrostatic pressure that can develop in sections of liquid piping between closed shutoff valves shall have pressure settings not less than 400 psig or more than 500 psig unless installed in systems designed to operate above 350 psig. Hydrostatic relief valves for use in systems designed to operate above 350 psig shall have settings not less than 110 percent or more than 125 percent of the system design pressure."

## FEATURES

- Compact design to fit any application
- Stainless steel spring
- Non-adjustable, tamper resistant design
- Stainless steel models rated for LP-Gas & NH<sub>3</sub>
- Specially designed internal components to increase flow at discharge



Part No.	Body Material	Seal Material	Start-to-Discharge Setting PSIG	Inlet MNPT	A	B	C	D	Accessory
									Pipeway Adapter
MEH225	Brass	Nitrile	440	1/4"	1-1/16"	13/16"	1/4"	9/16" Hex	—
MEH225SS/350	Stainless Steel	Nitrile	350****	1/4"	1-1/16"	13/16"	1/4"	9/16" Hex	—
MEH225SS/400	Stainless Steel	Nitrile	400	1/4"	1-1/16"	13/16"	1/4"	9/16" Hex	—
MEH225SS	Stainless Steel	Nitrile	440	1/4"	1-1/16"	13/16"	1/4"	9/16" Hex	—
MEH25/450	Brass	Nitrile	450	1/4"	1-59/64"	1-43/64"	1/4"	7/8" Hex	MEP173*
MEH25K/450	Brass	FFKM	450	1/4"	1-59/64"	1-43/64"	1/4"	7/8" Hex	MEP173*
MEH25V/450	Brass	FKM	450	1/4"	1-59/64"	1-43/64"	1/4"	7/8" Hex	MEP173*
MEH50/460	Brass	Nitrile	460	1/2"	2-1/2"	2-1/8"	3/8"	1-1/8" Hex	MEP174**
MEH75/460	Brass	Nitrile	460	3/4"	2-21/32"	2-5/32"	1/2"	1-1/8" Hex	MEP174**
MEJ602H***	Brass	Nitrile	440	1/4"	—	—	—	—	—

\* 1/4" FNPT Outlet; \*\* 1/2" FNPT Outlet; \*\*\* Factory Installed Vent Valve; \*\*\*\* Special Applications

## UNIVERSAL RELIEF VALVE COVERS

These protective caps are made of durable, fade resistant vinyl. All relief valves must have a protective cap to keep debris and water out of the valve.



MEH501

Part No.	Cap ID	Cap Height	Replacement Protective Cap for Part No.
MEH501-.437	.437"	3/8"	MEH225 MEH225SS Series
MEH501-.812	.812"	1"	MEH25/450
MEH501-1.062	1.062"	3/4"	MEH50/460 MEH75/460
MEH501-1.5	1.50"	1"	—

\* With Lanyard

Part No.	Cap ID	Cap Height	Replacement Protective Cap for Part No.
MEH501-1.75	1.75"	1"	—
MEH501-2.25	2.25"	1"	—
MEH501-2.625	2.625"	1"	—
MEV250-013*	3.974	1/2"	MEV250 Series

