



Liquid Transfer Valves

FEATURES:

The ME449 Liquid Transfer Valve Series incorporates a double O-ring seal on the stem assembly for leak free operation even under extreme temperature fluctuations. The stem also has a back seat feature and a swivel seat disc to further enhance the durability for this valve. The double lead thread design of the stem allows adjustment from the closed position to full open in 6 full turns. The outlet boss on the side of the valve is tapped 1/4" FNPT and plugged for your convenience. For direct installation into pressure vessel, use ME449X/19.5 with built in 19.5 GPW excess flow shut-off protection.

AVAILABLE WITH THE MEH225 HYDROSTATIC RELIEF VALVE CONVENIENTLY INSTALLED AT OUR FACTORY - PART# ME449H

APPLICATION:

Designed to provide a safe means to transfer liquid or vapor from a storage container. 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 (ME449EXS Series, ME449X/19.5), or when utilized in conjunction with a Liquid Withdrawal Tank Valve with integral excess flow protection (ME460 or ME462 Series) and the appropriate Liquid Withdrawal Adapter (ME458 Series).

These valves can also be used for temporary liquid withdrawal applications such as emergency evacuations or container relocation, when utilized in conjunction with a liquid withdrawal tank valve featuring integral excess flow protection (ME460 or ME462 Series) installed directly into a container liquid withdrawal port and the appropriate Liquid Withdrawal Adapter (ME458 Series) installed onto the ME449 Series Liquid Withdrawal Transfer Valve connected to the delivery truck or service truck transfer hose.

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.



ME449X-110-KIT

| LIQUID TRANSFER VALVES | | | |
|------------------------|------------------|-------------------|--|
| Part No. | Inlet Connection | Outlet Connection | Brass Connection |
| ME449 | 3/4" MNPT | 1/4" FNPT | 1/4" FNPT |
| ME449H | 3/4" MNPT | 1/2" FNPT | 1/4" FNPT with MEH225 hydrostatic relief installed (Start-to-Discharge setting - 440 PSIG) |
| ME449X/19.5 | 3/4" MNPT | 1/4" FNPT | 1/4" FNPT plugged w/ 19.5 GPM Excess Flow |
| ME449X-110-KIT | N/A | N/A | Excess Flow Check Assy. - ME449 - 19.5 GPM |

| LIQUID WITHDRAWAL ADAPTERS | |
|----------------------------|--|
| Part No. | Description |
| ME453 | *3/4" NGT Inlet x 3/4" FNPT Outlet |
| ME455 | *3/4" NGT Inlet x 3/4" MNPT Outlet |
| ME458 | 1-5/8" -12 UN Inlet x 3/4" FNPT Outlet (fits all UL Listed Valves) |
| ME458S | 1-5/8" -12 UN Inlet x 3/4" FNPT Outlet (fits all UL Listed Valves) - Steel |

* Special thread design ensures correct fit and prevents damage to the valve.

| Liquid Withdrawal Adapter Replacement Parts | |
|---|---|
| Part No. | Description |
| ME455-03 | Replacement 6/6 Nylon Gasket for ME453, ME455 and ME458 |
| ME458-04 | Replacement Nitrile/Buna O-Ring for ME458 |
| MEH501-.437 | Replacement Nitrile/Buna O-Ring for ME458 |



ME453



ME455



ME458



!!WARNING!!

Contact with, or inhalation of liquid propane, anhydrous ammonia, and their vapors can cause serious injury and death! NH3 and LPG must be released outdoors in air currents that will ensure dispersion to prevent exposure to people and livestock and in accordance with local regulations. LPG must be kept far enough from open flame or other sources of ignition to prevent fire or explosion! LPG vapor is heavier than air and will not disperse or evaporate rapidly if released in still air! An abundant supply of clean water must be readily available and easily accessible as a means of providing IMMEDIATE First Aid treatment for exposure to anhydrous ammonia.

Failure to follow these instructions or to properly install and maintain this equipment could result in an explosion and/or fire causing property damage and personal injury or death.

Install, operate and maintain Marshall Excelsior Co. equipment in accordance with federal, state, and local codes and these instructions. The installation in most states must also comply with NFPA standards 58 and 59.

For installation in the European Union, the equipment must also comply with PED/TPED and EN ISO standards. Periodic inspections, intermediate inspections and exceptional checks of transportable pressure equipment should be carried out in accordance with the Annexes of Directive 2008/68/EC and with 2010/35/EU Directive (TPED) to ensure continued compliance with their safety requirements.

Only personnel trained in the proper procedures, codes, standards and regulations of the LP-Gas Industry should install, maintain and service this equipment. Be sure all instructions are read and understood before installation, operation and maintenance. These instructions must be passed along to the end user of the product.