



Full Internal Excess Flow Valves for Flange Mounting in Container Service

DESCRIPTION

Full internal excess flow valves are designed for service applications where the tank flange is constructed with internal NPT threads and not configured to accept an internal valve assembly. These valves can be utilized for liquid filling, withdrawal applications as well as vapor equalization. The high flow rate design ensures maximum transfer efficiency while minimizing pump cavitation.

If vapor riser piping is utilized in conjunction with these full internal excess flow valves to direct flow into the vessel vapor space, the riser pipe diameter must be a minimum of two times the valve thread connection size to ensure no restriction in flow through the side openings on the excess flow valve.

The full internal flange mounted configuration allows for easy serviceability by dropping the flange connection while completely enclosing the excess flow device within the flange for enhanced protection during a fire event. The full internal configuration also ensures that no piping loads or stresses are imposed onto the excess flow device as it is captured between the mating flanges joint.



FEATURES

- Precision machined
- Generous flow channels provide low pressure drop, minimizing pump cavitation
- Cotter pin design prevent loss of spring retainer due to vibration in service
- All stainless steel construction

Part No.	Inlet Flange (NPT)	Effective Thread (Approx.)	Liquid Propane Approx. Closing Flow (GPM)	Installation Hex Tool	Tank Opening	Outside Diameter
ME3500-16/75	2"	3/4"	75	MEP200FIR	3-1/2"	6-1/2"
ME3500-16/125			125			
ME3500-16/150			150			
ME3500-24/150	3"	1"	150	MEP300FIR	4-1/2"	8-1/4"
ME3500-24/200			200			
ME3500-24/250			250			
ME3500-32/500	4"	1-1/16"	500	MEP3500	5-1/2"	10"



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