

EXCESS FLOW VALVES

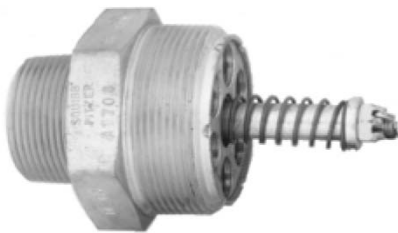
General Features



AL1717 Style A



AL1710 Style A



A1715 Style B

•The A1700 series is designed to close when liquid flow exceeds the valve's setting. They are intended to prevent large discharges of LP Gas or NH3 to the atmosphere due to a break in the hose or piping system. All the valves are of steel construction. CAUTION: EXCESS FLOW VALVES CLOSE ONLY WHEN RESTRICTION DOWNSTREAM OF THE VALVE DO NOT EXCEED THE FLOW RATING OF THE VALVE.

•The excess flow valve's closing flow rating must be less than the capacity of the NH3 system in which the valve is being used. Allowance must be made for valves, fittings, hose, etc., in determining the capacity of the system. If branches or restrictions with a smaller capacity than the total system are incorporated, additional excess flow valves must be installed at these points.

•Manually operate the excess flow valve's poppet before installation to assure parts were not damaged in shipment or blocked with dirt or foreign material.

•Use pipe dope on the male threads of the valve or the pipeline. Make sure flow is in the direction of the arrow stamped on the body. Large size valves may require an extra length of pipe on the wrench handle to provide increased installation torque.

•The excess flow valve should be checked periodically for corrosion, spring breakage, binding, or other causes why the valve may not function properly and be replaced if any of these conditions are discovered. This must be done by physically inspecting the valve. Make sure system is empty of product before removing.

•After an excess flow valve closes, the leakage through the equalizing hole must be controlled or a hazard may be created. For this reason the operator should be familiar with the shutoff valves in the system so that necessary precautions can be taken in an emergency.

A RESTRICTION UPSTREAM OF AN EXCESS FLOW VALVE THAT DOES NOT ALLOW A FLOW EQUAL TO THE VALVE FLOW RATING WILL NOT ALLOW THE VALVE TO ACTUATE REGARDLESS OF A BREAK DOWNSTREAM OF THE VALVE.

Part Number	Application and Body Style	Inlet Connection	Outlet Connection	Closing Flow NH3	Closing Flow Differential Pressure*	U.L. Closing Flow LP Gas
A1705-50	Tanks or In-line (Style A)	1-1/4" MNPT	1-1/4" MNPT	50 gpm	6 psig	-----
AL1710		2" MNPT	2" MNPT	95 gpm	6.5 psig	101 gpm
AL1717				110 gpm	6.5 psig	122 gpm
A1714-225		3" MNPT		225 gpm	6 psig	-----
A1703-50	Tanks or In-line (Style B)	1-1/4" MNPT	3/4" MNPT	50 gpm	6 psig	-----
A1706			1-1/4" MNPT	50 gpm	6 psig	53 gpm
A1708-50		2" MNPT		95 gpm	14 psig	-----
A1715-165		3" MNPT	2" MNPT	165 gpm	5 psig	-----
AL1715				225 gpm	7 psig	239 gpm
AL1711	Tanks or In-line (Style C)	2" MNPT	2" MNPT x 1-1/4" FNPT	95 gpm	6.5 psig	101 gpm
A1713-165		3" MNPT	3" MNPT x 2" FNPT	165 gpm	6 psig	-----
AL1713				225 gpm	6 psig	239 gpm

* At 100psig inlet discharging to atmosphere