

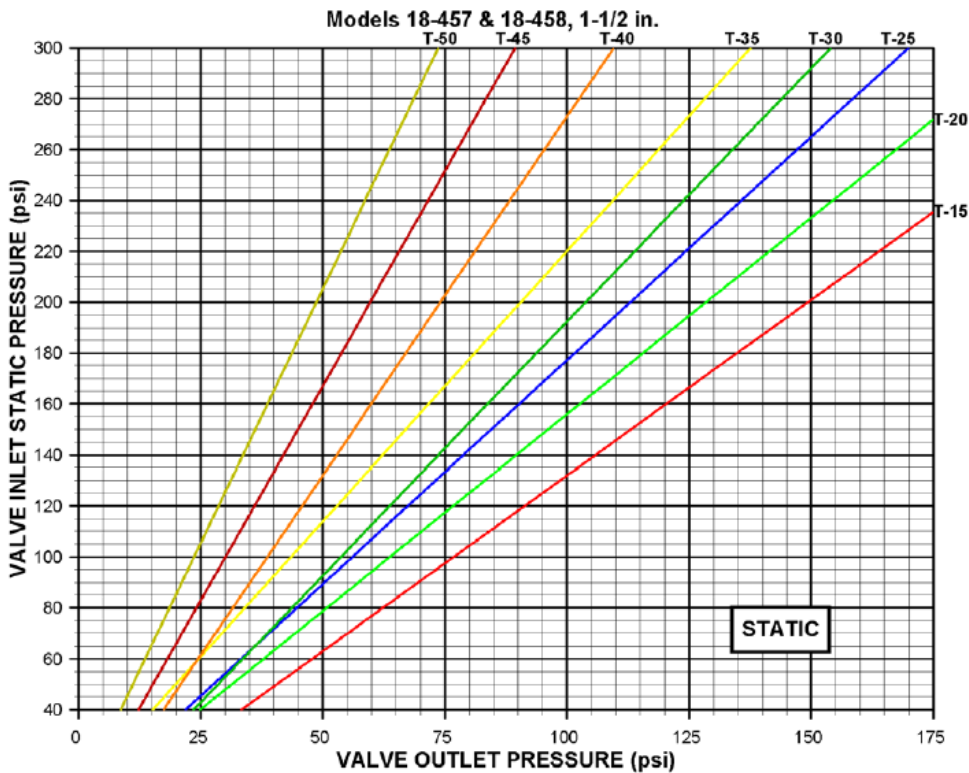


# Technical Information



The Right Connection®

Valve Pressure Chart



## Standpipe Systems


Valves intended for use in a Class II standpipe system use a straight stream nozzle with a 1/2" nozzle orifice or a 1-1/2" combination fog and straight stream nozzle. Nozzles shall have a rated flow range compatible with the performance characteristics of the pressure reducing valve. Valves shall be installed in accordance with NFPA 14 and 13 and NFPA 25 and shall have a minimum outlet pressure of **65 PSI**. The valve may be set for residual pressures less than **100 PSI** when permitted by the authority having jurisdiction.

## Automatic Sprinkler Systems

Automatic sprinkler systems are used to reduce the water supply pressure at which the sprinklers are designed to operate and may be used as a floor control valve suitable for indicating service and also as a checking device. Valves shall be installed in accordance with NFPA 13 and 25. A relief valve of not less than 1/2" shall be installed on the downstream side of the pressure reducing or pressure control valve and pressure gauges shall be installed on the upstream and downstream sides of the valve.

## Valve Maintenance

A visual inspection of the valve body and threads should be conducted prior to installation and periodically thereafter to insure there is no physical damage. Valves are so designed that the stem packing may be replaced without removing the valve from the piping system. The valve must be in the fully open position; remove hand wheel and packing nut, replace stem packing O-ring. Visual inspection is recommended to assure no damage to the valve body, threads or hand wheel. Replacement of internal parts is not recommended. The valve must be installed with pipe unions or rubber gasket fittings upstream or down stream of the valve to permit easy removal of the valve for replacement. The valve should be tested and maintained in accordance with NFPA 25.

**WARNING:** Failure to follow these installation and operating instructions could result in serious and disabling injury or death to the user or others or destructive damage to property. Never use or operate this valve without inspecting it for safe and appropriate operation 

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