

Turbine Drain Valves

When steam is introduced to the turbine during start up, these valves are fully open. They stay open and drain to the condenser until the turbine reaches 10% load. Once 10% load is reached, the valves are closed.

The purpose of the valve is to warm the turbine during startup and to eliminate the possibility of water getting into the turbine during the startup process.

Valve size: 1-1/2" – 3" / Socket Weld or Butt Weld end connections
ANSI 900# - 4500#

Existing valves are typically automated globe valves. Problems include seat leakage and the seat and plug are exposed when the valve is flowing. Also Packing leaks due to the rising stem.

The VTI ball valves solve this problem as the seats are fully protected in the open and closed position. Packing leaks are non-existent as the packing is live loaded and quarter turn.

