

Trip-Stop

Trip-Stop Pilot	TSP
Body Material	Cast Steel
Max Inlet Pressure	300 PSIG
Inlet Pressure Range (with HD Standard main valve)	15-300 PSIG
(with HD-LP Low-Pressure main valve)	5-20 PSIG
Minimum Differential Pressure (with HD Standard main valve)	10 PSI
(with HD-LP Low-Pressure main valve)*	3 PSI

*Note: A Low Differential Pressure (LDP) HD Main Valve is typically selected to minimize pressure drop across the valve. Consult factory for assistance, if needed.

Typical Applications

The **Trip-Stop Pilot** is designed to prevent over-pressurization of downstream piping in steam systems where application codes allow its use in lieu of a safety valve (SRV). The pilot is installed on a separate HD Series main valve that is installed downstream of the main pressure reducing valve. If the downstream control pressure increases above the factory-set pressure on the Trip-Stop pilot, the pilot trips to release the diaphragm pressure and close the main valve to stop the steam flow. Once the pressure downstream is below the set point, the pilot may be manually reset.

Features

- The TSP-Trip Stop Pressure Pilot is used to protect downstream steam pressure from over pressurizing
- Pilot is installed using 1/4" NPT Connection
- Solid floating diaphragm
- Watson McDaniel's pilots can be used with other manufacturers' regulators

MATERIALS for TRIP-STOP Pressure Pilot

Pilot Body & Cover	Cast Steel
Seat Gasket	302 SS
Diaphragm	Phosphor Bronze
Head & Seat Assembly	Hardened SST (55 Rc)

OPERATING PRESSURES

Inlet Pressure Range:

15-300 PSIG (Standard Main Valve)
5-20 PSIG (Low Pressure Main Valve)

Minimum Differential Pressure:

10 PSI (Standard Main Valve)
3 PSI (Low Pressure Main Valve)

* **XXX = Set Pressure**

Pressure Range PSI	Model Code	Spring Color	Weight lbs
3-25	TSP-Y-XXX*	Yellow	16
20-100	TSP-B-XXX*	Blue	16
80-200	TSP-R-XXX*	Red	16



How to Size / Order

TSP - TRIP STOP PILOT

Specify: • Trip Set Pressure (factory set)

Example: **TSP-B-040:** TSP Pilot with 40 PSIG set pressure

REGULATOR BODY

Specify: • **HD** regulator body
• Regulator size or capacity
• End connections (threaded, 150/300# flanged)

