

## Description

Armstrong's TVS-5000 is designed as a one piece body equipped with a piston valve(s) combined with a removable steam trap mounted with a connecting flange.

## Maximum Operating Conditions

Maximum Allowable Pressure :	45 bar @ 315 °C
Maximum Allowable Temperature :	315 °C
Maximum Operating Pressure :	45 bar
Maximum Hydrostatic Pressure :	68 bar

## Materials – TVS-5000 Connector

Connector:	ASTM A350 LF2
Test valve:	ASTM A582 T303
Blowdown valve:	ASTM A582 T303

## Isolation Valve Components

Valve sealing rings :	Graphite & Stainless Steel
Bonnet :	ASTM A350 LF2
Bolts :	DIN 933 8.8
Valve plug :	ASTM A564 17-4 H900
Lantern bushings :	ASTM A582 T304
Valve washer :	ASTM A582 T304
Disc springs :	AISI T301
Nut :	AISI T304
Handwheel :	Ductile Iron

## Weight

3, 660 kg (without any trap)

## Features

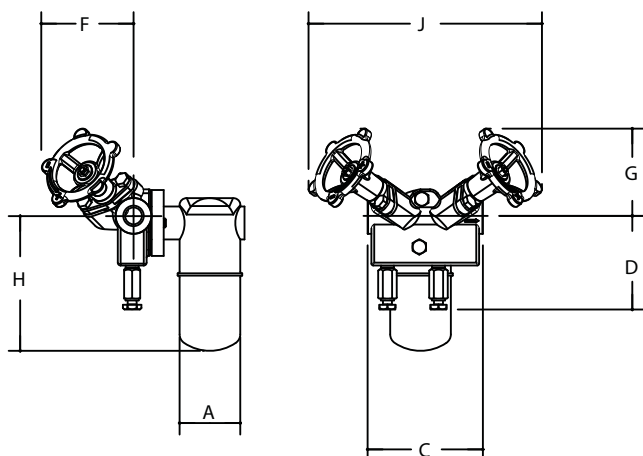
- **Reduced costs.** TVS-5000 saves on these fronts : reduced leak points, installation and maintenance time.
- **Reduced design time.** Permits combining products with exact face-to-face dimensions.
- **Easy, in-line repairability.**
- **Simplified trap testing.** TVS enhances your capability to check trap operation and offers a built-in method to block and bleed traps.

# TVS-5000 Series Forged Steel Trap Valve Station

**Table ST-157-1. How to Order**

Model	Connection	Type of Connection Inlet/Outlet	Flow Direction	Trap Type
TVS-5000	1/2" 3/4"	NPT SW BSPT Flanged*	R = Right to Left L = Left to Right	Inverted Bucket Disc Thermostatic wafer Bimetallic F&T

\*Consult factory.



**Table ST-157-2. TVS-5000 Series – TVS-5211 Trap Valve station mounted with 2011 Steam Trap**

Pipe Connections	15 – 20
"A" Trap Diameter	68
"C" Face to Face (screwed NPT and socketwelded models)	122
"D" Connection $\varnothing$ to bottom	99
"E" Connection $\varnothing$ to Outside of Trap	117
"F" Connection $\varnothing$ to Front of Handwheel (Valve Open)	98
"G" Connection $\varnothing$ to Top of Handwheel (Valve Open)	108
"H" Connection $\varnothing$ to Bottom of Connector	143
"J" Width Across Handwheels (Valve Open)	270

Pressures and capacities depending on the steam trap mounted on the Trap Valve Station.

## Materials – TVS-5000 Connector

Connector:	ASTM A350 LF2
Test valve:	ASTM A582 T303
Blowdown valve:	ASTM A582 T303

