

STEAM TRAPS

WD3600

High-Pressure Thermodynamic Steam Trap

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Model	WD3600
Sizes	1/2", 3/4", 1"
Connections	BW, SW, 600# FLG, 1500# FLG
Body Material	Forged Alloy Steel
PMO Max. Operating Pressure	3600 PSIG
TMO Max. Operating Temperature	975 °F @ 3600 psi 1025 °F @ 2220 psi
PMA Max. Allowable Pressure	2220 PSIG @ 1025 °F 3600 PSIG @ 975 °F
TMA Max. Allowable Temperature	1025 °F @ 2220 PSIG

Note: Connections may limit Pressure & Temperature ratings.



TYPICAL APPLICATIONS

DRIP, TRACER: The **WD3600** thermodynamic steam trap is commonly used as a drip trap on high-pressure steam mains and steam supply lines. Supplied with an integral strainer to protect the trap from contamination. The internal working mechanism of the WD3600 can be completely replaced while the trap body remains in line. Ideal for outdoor applications that are subject to freezing and for superheated steam conditions.

HOW IT WORKS

The thermodynamic trap has cyclic on-off operation with a disc that is pushed open by incoming condensate and closes tightly when steam tries to escape.

FEATURES

- "Quick-Change" seat and disc for easy in-line repair
- High pressure applications up to 3600 PSIG
- Integral strainer to protect trap from contamination
- Hardened stainless steel seat and disc for extended service life even at extremely high pressures
- Steam trap model will operate over the entire pressure range (100-3600 PSIG)
- Suitable for superheated steam
- Freezeproof when trap is piped in a vertical orientation for complete drainage of condensate
- Trap will function in any orientation (horizontal preferred)

SAMPLE SPECIFICATION

The steam trap shall be a thermodynamic style with body material in forged alloy steel. Available in size 1/2", 3/4" and 1" Socket Weld, Butt Weld ends or ANSI 600# & 1500# RF flanged connections. Unit shall have hardened repairable stainless steel seat and disc with a removable stainless steel sintered strainer.

INSTALLATION

Trap can be installed in any position; however, horizontal is preferred. Installation should include isolation valves.

MAINTENANCE

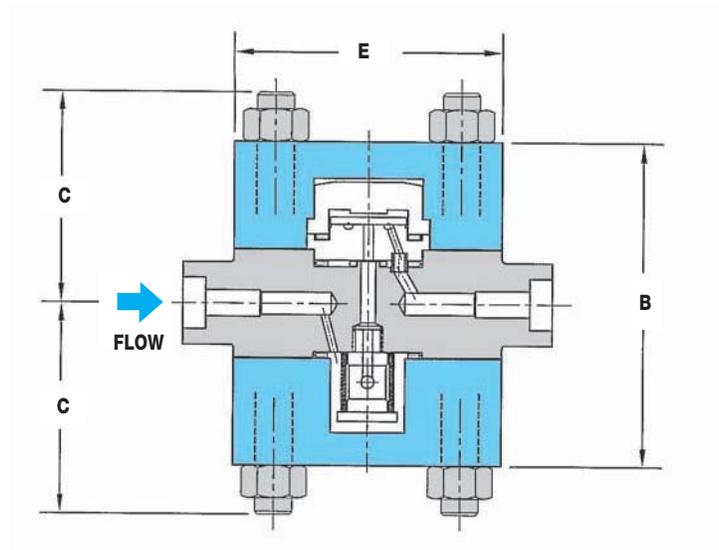
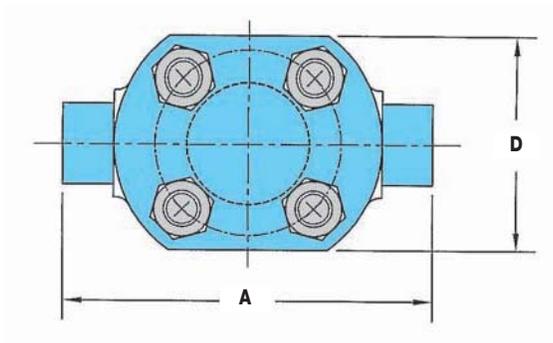
Complete replacement of seat and disc can be performed while the steam trap remains in line. For full maintenance details see Installation and Maintenance Manual.

OPTIONS

Customized Flanged Connections:
Specify size, face to face dimensions and metallurgy required for application. Trap includes strainer. Blowdown option is NOT available.

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DIMENSIONS & WEIGHTS – inches/pounds						
Size/Model	A	B	C	D	E	Weight (lbs)
1/2", 3/4", 1" WD3600	6.3	5.4	3.5	3.6	4.5	25

MATERIALS	
Body	Forged Alloy Steel, ASTM 182 F22
Seat	Stainless Steel, AISI 420
Cover, top & bottom	Forged Alloy Steel, ASTM 182 F22
Strainer	Sintered Stainless Steel, AISI 300
Disc	Stainless Steel, AISI 420
Gasket	Stainless Steel, AISI 304
Studs	SA-193, GR B16
Nuts	SA-194, GR 4

HOW TO SIZE/ORDER
Select working pressure; follow column down to correct capacity (lbs/hr) block. Example:
Application: 380 lbs/hr at 1000 PSIG working inlet pressure
Size/Model: WD3600 , Specify pipe size and connections (BW, SW, 600# FLG, 1500# FLG)

Model	CAPACITIES – Condensate (lbs/hr)													
	Steam Inlet Pressure (PSIG)													
	100	500	1000	1250	1750	2000	2250	2500	2750	3000	3250	3500	3600	3600
WD3600	165	290	380	400	435	470	500	525	550	575	595	610	620	625

Note: Maximum back pressure not to exceed 50% of inlet pressure (measured in absolute pressure) or trap may not close.