

## FDA800

### Thermodynamic Clean Steam Trap

Model	<b>FDA800</b>
Sizes	<b>1/2"</b>
Connections	<b>Tri-Clamp, NPT, Tube Weld</b>
Body Material	<b>Stainless Steel</b>
PMO Max. Operating Pressure	<b>150 PSIG</b>
TMO Max. Operating Temperature	<b>500°F</b>
PMA Max. Allowable Pressure	<b>230 PSIG @ 850°F</b>
TMA Max. Allowable Temperature	<b>850°F @ 230 PSIG</b>



NPT



Tri-Clamp

### TYPICAL APPLICATIONS

**DRIP, PROCESS:** The **FDA800 Series** Thermodynamic Clean Steam Traps are used in sanitary systems as drip traps on steam mains as well as for drainage on various process vessels such as separators and filters.

### HOW IT WORKS

The thermodynamic trap has a cyclic on/off operation with a disc that is pushed open when condensate is present and pulled closed when steam tries to escape.

### FEATURES

- Small and compact
- All 316L stainless steel components
- Works in any position (horizontal preferred)

### SAMPLE SPECIFICATION

The steam trap shall be a thermodynamic disc type with an all 316L stainless steel construction and integral seat design. Unit shall be capable of installation in any orientation and self-draining when mounted vertically.

### INSTALLATION

The trap can be installed in any position; however, horizontal is preferred. For self-draining or freezeproof requirements, the trap may be installed vertically. Installation should include a strainer and isolation valves for maintenance purposes.

### MAINTENANCE

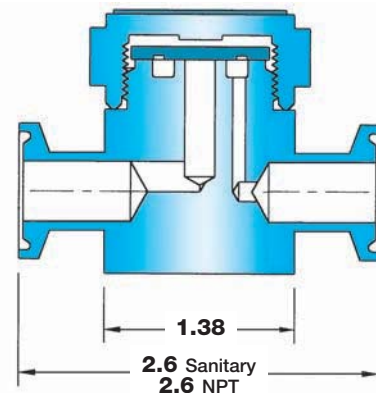
Dirt is the most common cause of premature failure. Therefore, the upstream strainer should be periodically cleaned. For full maintenance details see Installation and Maintenance Manual.

### MATERIALS

Body	Stainless Steel, AISI 316L
Disc	Stainless Steel, AISI 316L
Cap	Stainless Steel, AISI 316L

### HOW TO SIZE/ORDER

Size/Model: 1/2" **FDA800**, Specify connections.



Units: Inches

### CAPACITIES – Condensate (lbs/hr)

Size	Differential Pressure (PSI)											
	3.5	5	10	15	20	25	30	40	50	75	100	150
1/2"	180	185	190	195	200	215	220	230	250	310	375	500

**Note:** Maximum back pressure not to exceed 80% of inlet pressure.