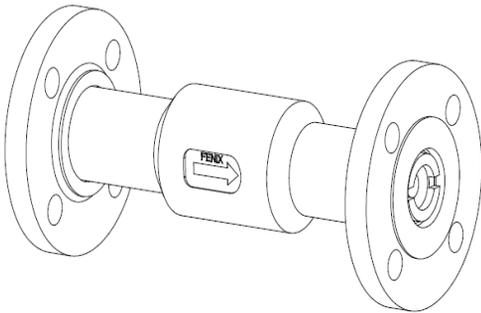


Technical Specification FL Trap



General Description

The FL (Flanged) FENIX trap is designed for process applications. Each trap is designed for a specific location and with the flanges to match the system/process specifications. The trap is designed to standard lengths but can be tailor made up to lengths of 20" (500mm). For the majority of applications the trap will function with a single inlet nozzle however the characteristics of the trap can be tuned by the addition of a second stage outlet nozzle.

Sizes and Connections

1"-DN25, 1 1/2"-DN40, 2"-DN50,
3"-DN80, 4"-DN100

Flanges ANSI150, ANSI300,
ANSI600, ANSI900, ANSI1500

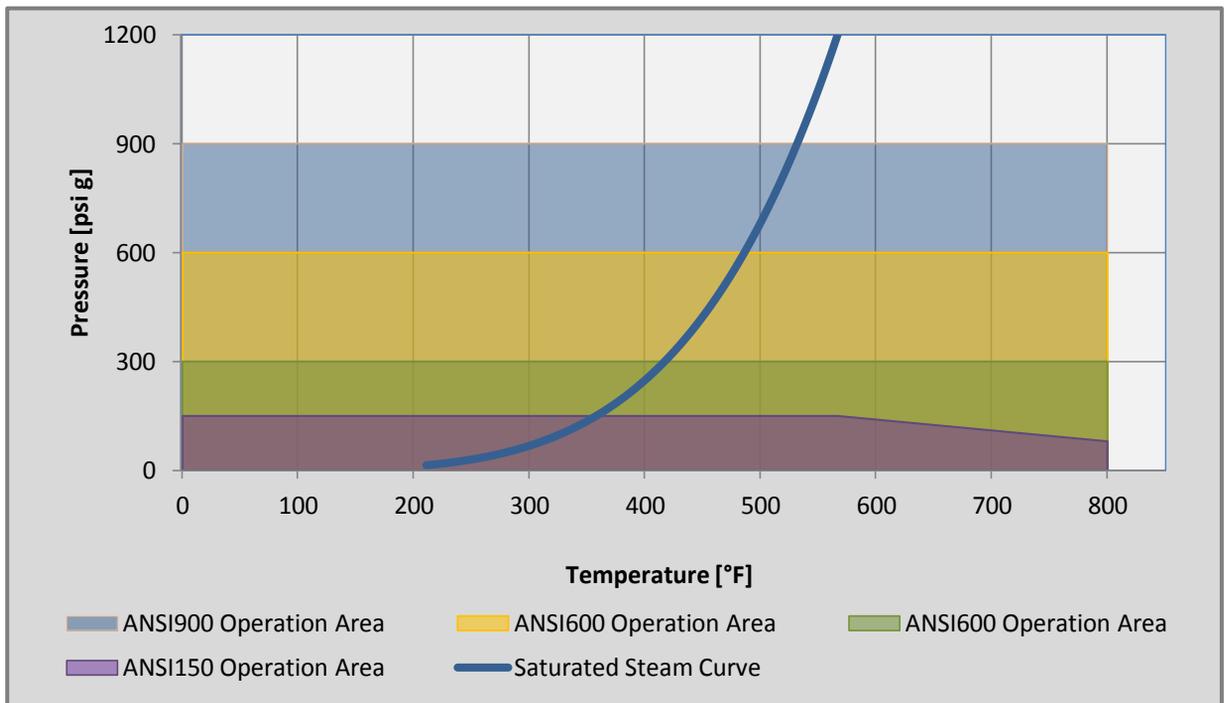
Options

Customized trap length to suit
specific installation.

This trap can be supplied with a variety of flanges from ANSI150 to ANSI900.

Operating Parameters (ISO 6552:1980)

PMA	Based upon ANSI flanges
TMA	1022°F (550 °C)
PMO	Based upon ANSI flanges
TMO	800°F (430 °C) @ 0 psig (0 barg)
Cold tested based upon ANSI flanges	

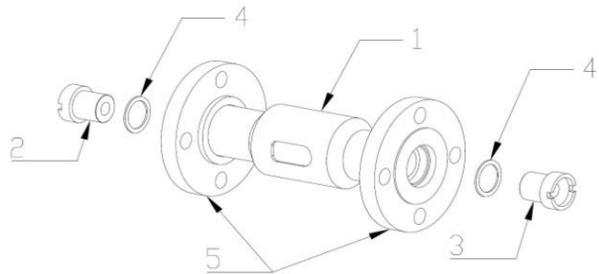


Safety information, installation and maintenance

The trap can be install in all positions except with the nozzle pointing down. There must be at least one valve before the trap to allow the access to maintenance. It is recommended to install a check valve after the trap. The arrow on the body of the trap indicates the flow direction.

Before maintenance, you have to isolate the trap and wait until the temperature is low enough to facilitate handling.

To clean the nozzle, remove the nozzle and use a suitably sized wire to remove any blockage in the orifice. Remove dirt from around the base of the nozzle.



Construction

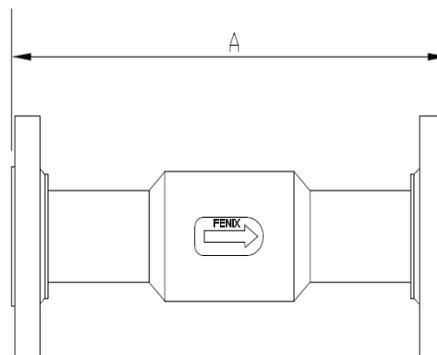
No.	Part	Material
1	Trap body	Carbon steel
2	Inlet nozzle	304 stainless steel
3	Outlet nozzle	304 stainless steel
4	Gaskets	Graphite & s/steel
5	Flanges	ANSI B16.5 c/steel

Spare parts

Part	Code
Nozzle Gasket	G-3 for FL 1" G-4 for FL 1 ½" G-5 for FL 2" G-6 for FL 3" & 4"

Dimensions

All flanges dimensions standard as in ASME B16.5 code for each pressure rating.



Size	Connection	A*	Weight** (approx.)
1" (DN25)	ANSI 150-900	6.30" (160 mm)	9.1 lb (4.1 kg)
1 ½" (DN40)	ANSI 150-900	9.05" (230 mm)	19.4 lb (8.8 kg)
2" (DN50)	ANSI 150-900	9.05" (230 mm)	25.8 lb (11.7 kg)
3" (DN80)	ANSI 150-900	11.81" (300 mm)	62.1 lb (28.2 kg)
4" (DN100)	ANSI 150-900	13.78" (350 mm)	113.1 lb (51.3 kg)

* As an option the length of the trap can be adjusted to suit your installation

** Based on ANSI 300 Flanges.