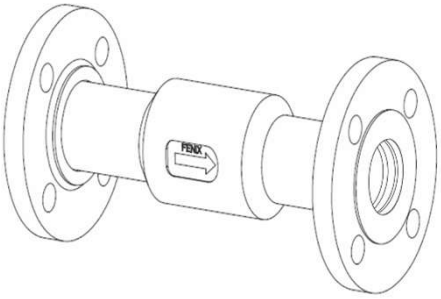
Technical Specification
FLSS (ANSI or PN)



General Description

The FL trap is designed for process applications(*). Each trap is designed for a specific location with the flanges to match the system/process specifications. The trap can be supplied with standard lengths (see table below) or tailor made up to lengths of 40” (1000 mm).

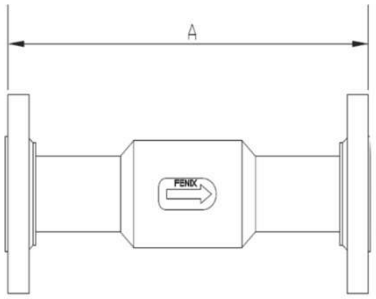
100% stainless steel construction. Welded and tested to relevant ASME standards

Sizes

1” - DN25
1-1/2” - DN40
2” - DN50
3” - DN80
4” - DN100

Connections

Flanges ANSI or PN (all ratings)



Dimensions

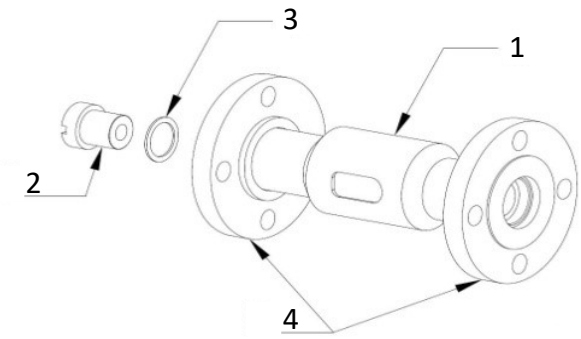
Size	Connection	A	Weight(**) (approx.)
1” (DN25)	ANSI 150-900	6.30” (160 mm)	9.1 lb (4.1 kg)
1 ½ ” (DN40)	ANSI 150-900	9.05” (230 mm)	19.4 lb (8.8 kg)
2” (DN50)	ANSI 150-900	10.82” (275 mm)	25.8 lb (11.7 kg)
3” (DN80)	ANSI 150-900	15.75” (400 mm)	62.1 lb (28.2 kg)
4” (DN100)	ANSI 150-900	17.72” (450 mm)	113.1 lb (51.3 kg)

Options

Customized trap length to suit specific installation.

* process applications can include shell and tube heat exchangers, air heaters, reboilers, cooking vessels etc. Traps will operate over the full range of the applications from minimum to maximum flow rate
** Based on ANSI 300 Flanges.

Construction



No.	Part	Material
1	Trap body	304L stainless steel
2	Inlet nozzle	316 stainless steel
3	Gaskets	Reinforced graphite
4	Flanges	304 or 304L stainless 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”

Operating Parameters (ISO 6552:1980)

ASME (ANSI)	PMA	TMA	PMO	TMO
150	240 psig @200°F	800°F @91 psig	240 psig @200°F	700°F @110 psig
300	700 psig @200°F	800°F @362 psig	700 psig @200°F	700°F @468 psig
600	1400 psig @200°F	800°F @725 psig	1400 psig @200°F	700°F @933 psig
900	2100 psig @200°F	800°F @1087 psig	2100 psig @200°F	700°F @1403 psig
1500	3500 psig @200°F	800°F @1812 psig	3500 psig @200°F	700°F @2340 psig
DIN (PN)	**PMA**	**TMA**	**PMO**	**TMO**
16	16 barg @38°C	425°C @7 barg	16 barg @38°C	400°C @9 barg
25	25 barg @38°C	425°C @12 barg	25 barg @38°C	400°C @14 barg
40	40 barg @38°C	425°C @20 barg	40 barg @38°C	400°C @23 barg
64	64 barg @38°C	425°C @32 barg	64 barg @38°C	400°C @36 barg
100	100 barg @38°C	425°C @50 barg	100 barg @38°C	400°C @57 barg

Working pressure range (ASME y DIN)