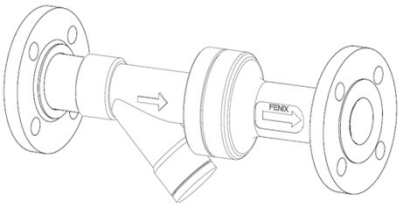
Technical Specification
VFP (ANSI or PN)



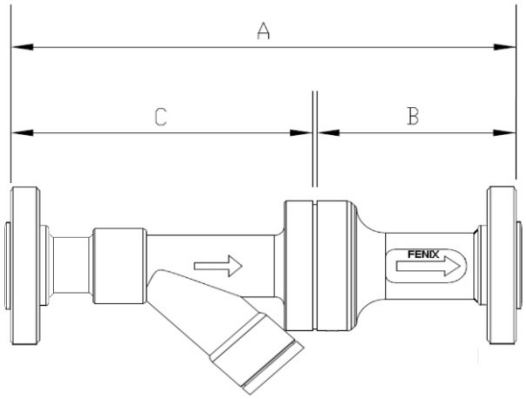
General Description

The VFP (Variable Flanged Process) 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 (see table below) but can be tailor made for lengths up to of 20“ (500 mm).

A high integrity strainer forms part of the trap design. The body of the trap can be removed for maintenance without having to remove the complete assembly from the pipework.

The trap is welded and tested according to ASME standards

Dimensions



Options

Customized trap length to suit specific installation.

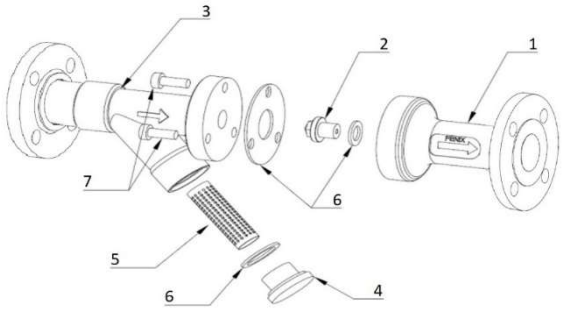
Sizes

½” – DN15
¾” – DN20
1” – DN25

Size	A(**)	B	C	Weight(***) (approx.)
½” (DN15)	12.6” (320 mm)	4.53” (115 mm)	7.99” (203 mm)	6.8 lb (3.1 kg)
¾” (DN20)	12.6” (320 mm)	4.53” (115 mm)	7.99” (203 mm)	9.0 lb (4.1 kg)
1” (DN25)	12.6” (320 mm)	4.53” (115 mm)	7.99” (203 mm)	9.7 lb (4.4 kg)

* process applications include shell and tube heat exchangers, air heaters, calorifiers, cooking vessels, etc. The traps will operate over the full range of the process from minimum load to the maximum load
** As an option the length of the trap can be adjusted to suit your installation
*** Based on ANSI 300 Flanges.

Construction



Spare parts

Part	Code
Cap Gasket	G-4
Flange Gasket	G-8
Nozzle Gasket	G-3

No.	Part	Material
1	Trap body	304L stainless steel
2	Inlet removable nozzle	316 stainless steel
3	Strainer	CF8M cast stainless steel
4	Strainer cap	304L stainless steel
5	Strainer filter	40 mesh stainless steel with 10 mesh stainless steel reinforcement
6	Gaskets	Graphite with stainless reinforcement
7	Bolts	Carbon steel

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)