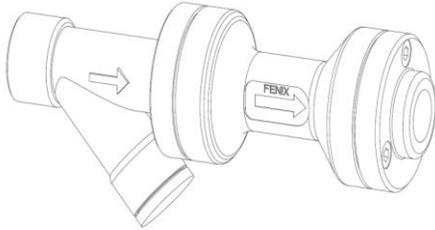


Technical Specification IVP Socket Welded Trap



General Description

The IVP (Integrated Variable Process) FENIX trap is designed for process applications with a wide variation in pressures and flow rates. The majority of applications can be accommodated with a single inlet nozzle but its possible to tune the characteristics by adding an second stage outlet nozzle.

There is a high integral strainer which forms part of the trap design. The body of the trap fits between the strainer and the downstream connector and is accessed by removing Allen key bolts. The design allows for access of body of the trap without having to remove the complete assembly from the pipework.

Options

Optional blow down valve available for periodic cleaning of the filter.

Safety information, installation and maintenance

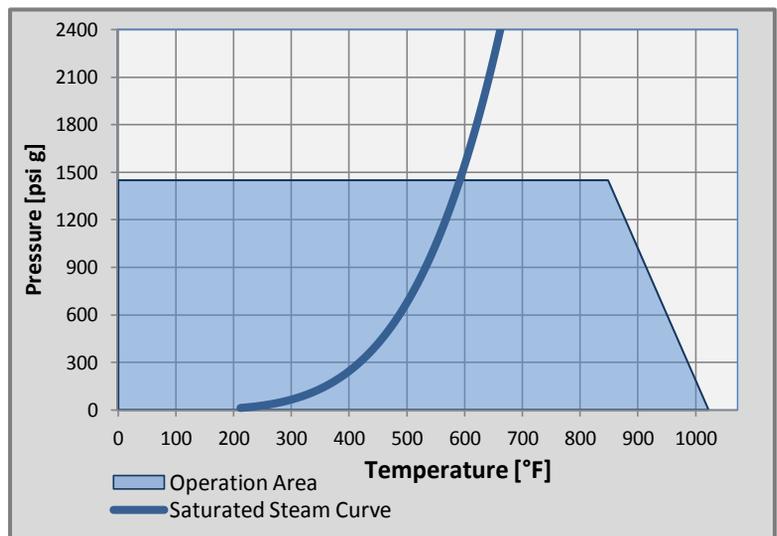
The trap can be install in all positions except with the nozzle pointing down. There must be at least one valve before the trap to allow the access to maintenance. It is recommended to install a check valve after the trap. The arrow on the body of the trap indicates the flow direction.

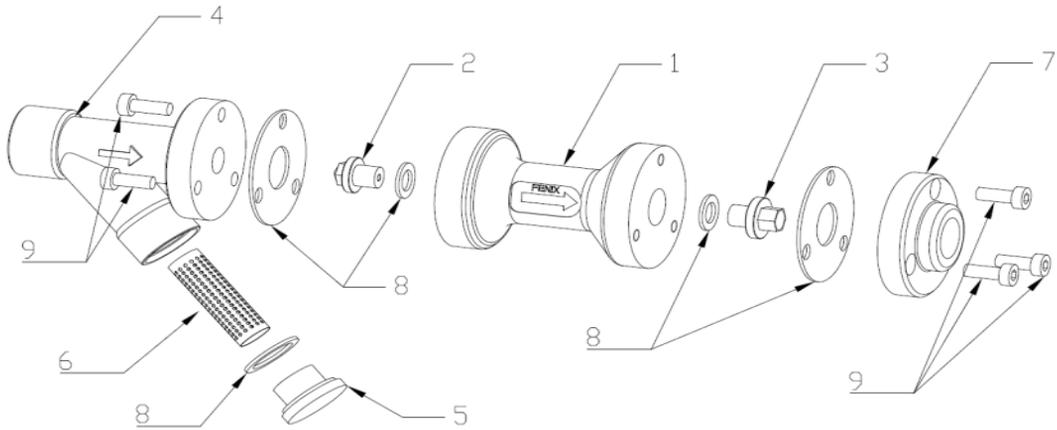
Before maintenance, you have to isolate the trap and wait until the temperature is low enough to facilitate handling.

To clean the trap remove filter cap and filter, and clean internal face of filter with a wire brush. To clean the nozzle, remove the Allen key bolts to take out the body of the trap and then, the nozzle. Use a suitably sized wire to remove any blockage in the orifice. Remove dirt from around the base of the nozzle.

Operating Parameters (ISO 6552:1980)

PMA	1450 psig (100 barg)
TMA	1022°F (550 °C)
PMO	1450 psig (100 barg) @ 842°F (450°C)
TMO	1022°F (550 °C) @ 0 psig (0 barg)
Strainer cold tested to 2175 psig (150 barg)	



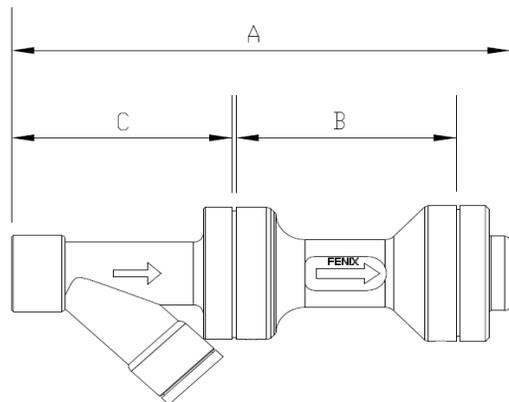


Construction

No.	Part	Material
1	Trap body	304L stainless steel
2	Inlet removable nozzle	310 stainless steel
3	Outlet removable nozzle	310 stainless steel
4	Strainer	CF8M cast stainless steel
5	Strainer cap	304L stainless steel
6	Strainer filter	40 mesh stainless steel with 10 mesh stainless steel reinforcement
7	Connector Flange	304L stainless steel
8	Gaskets	Graphite with stainless reinforcing
9	Hex Socket Bolts	Carbon steel

Spare parts

Part	Code
Strainer Filter	F-L
Cap Gasket	G-4
Nozzle gasket	G-2 for IVP 3/4"
	G-3 for IVP 1"



Dimensions

Size	A	B	C	Weight (approx.)
3/4" (DN20)	10.24" (260 mm)	4.53" (115 mm)	4.53" (115 mm)	9.5 lb (4.3 kg)
1" (DN25)	10.24" (260 mm)	4.53" (115 mm)	4.53" (115 mm)	9.2 lb (4.2 kg)