

Flash Arrestors & Sparge Pipes

Standard Features:

- Schedule 80 Carbon Steel Body
- Stainless Steel Sparge Assembly
- All Flanged or Threaded units are Hydrostatically tested.
- All Butt-Weld or Socket Weld units are tested using Dye Penetrant.
- High Temperature Enamel Coating



EnviroSep Sparge Pipes are based upon the same theory as our *Flash Arrestors*. The purpose of the Sparge Pipe is to reduce the effects of Flash Steam while heating another liquid. Steam or Condensate enter the lower pressure liquid through the sparge and orifice assembly. The design also assists with the mixing of the heat source with the liquid to be heated.

TYPICAL SPECIFICATIONS	
Steam Pressure	Up to 150 psig
Low Pressure Connections	Up to 8" NPT, BW, or ANSI 150
High Pressure Connections	Up to 2" NPT, BW, or ANSI 150
HPC Flows	Up to 5,000 # Lb/Hr Standard
Standard Cooling Flow Rate	5 to 300 GPM
Dimensions	< 48", Load Dependent



Optional Features:

- Carbon Steel Sparge for reduced cost.
- All Stainless Steel Construction.
- Flanged, threaded or prepared butt weld connections for both low and high pressure condensate.

EnviroSep Flash Arrestors are designed to reduce the hammer created when high pressure condensate mixes with lower pressure condensate. Any decrease in Condensate pressure causes the creation of Flash Steam. If this reaction has a moderate to high differential pressure, and is uncontrolled, then the flash will cause vibration and hammer.

EnviroSep Flash Arrestors are used to control the creation of Flash Steam. High Pressure Condensate mixes with the low pressure Condensate through many small orifices rather than a single concentrated stream. It is recommended that the distribution pipe be of stainless steel to improve lifespan. Low pressure and high pressure connections can be supplied as flanged, prepared butt-welds, or NPT. Units are fabricated and welded per ASME Section IX Codes and Standards.

