

## Flash Tanks

*Cemline® Flash Tanks are used to flash steam from high temperature condensate prior to introducing into low-pressure lines and to flash condensate prior to returning to the boiler of the condensate tank.*

### Horizontal Flash Tank

*Cemline offers flash tanks in both horizontal and vertical configuration. Horizontal flash tanks are based on flashing from the surface of a pool of water. The surface flashing requires a larger tank. Vertical flash tanks use a cyclone effect to separate the flash from the condensate. These flash tanks require a smaller tank.*

#### Horizontal Flash Tanks:

Cemline flash tanks are ASME code constructed and stamped for 150 PSI working pressure of carbon steel and have a prime painted exterior. Vessels are registered with the national board and will meet state codes.

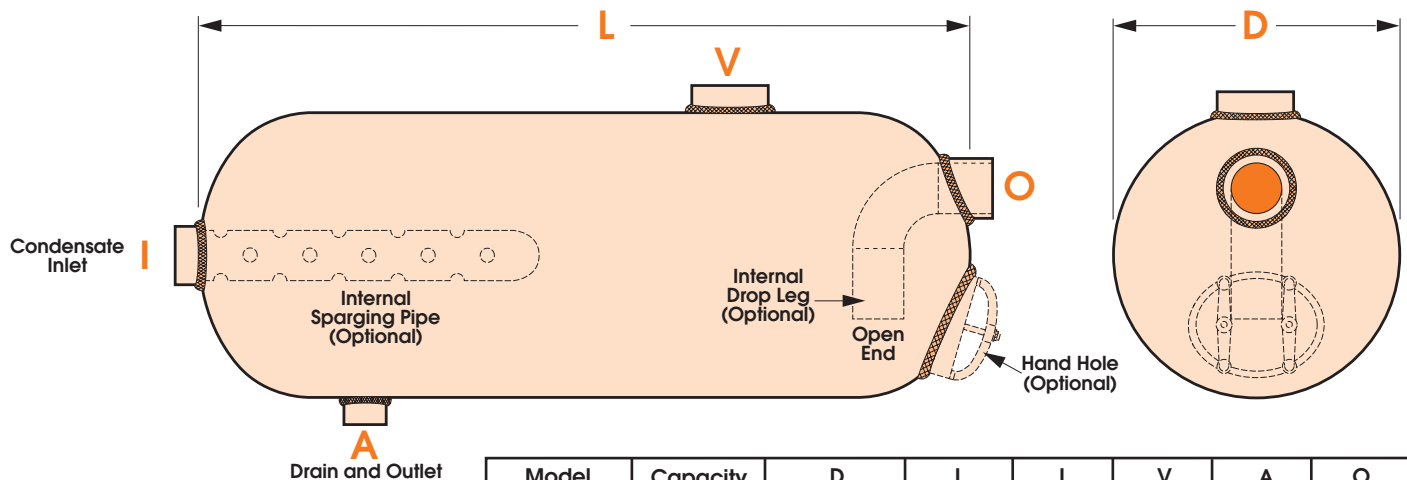
#### Options

1. Sparge tubes are sometimes furnished but not necessary. Sparge tubes diffuse condensate entering the flash tank. Sparge tubes have 1/4" holes at 0°-90°-180°, and 270° degrees, equal in total cross sec-

tional area to the cross sectional area of the pipe. Sparge tubes are either 1 1/2" or 2" IPS. Larger sparge tubes are available.

2. Internal drop leg outlet. Internal drop leg will allow condensate to drain from the bottom and coolest part of the vessel.

3. 4" x 6" Handhole. Handhole allows for internal inspection and cleaning.



Model Number	Capacity Gallons	D Diameter	L Length	I Inlet	V Vent	A Drain	O Outlet
H13FST	13	10.75"	39"	1.5"	2"	1"	1.5"
H18FST	18	12"	39"	1.5"	2"	1"	1.5"
H24FST	24	14"	39"	1.5"	2"	1"	1.5"
H30FST	30	16"	38"	1.5"	2.5"	1.5"	1.5"
H48FST	48	18"	48"	2"	2.5"	1.5"	1.5"
H80FST	80	24"	48"	2"	3"	2"	2"
H125FST	125	30"	48"	2"	3"	2"	2"
H180FST	180	36"	48"	2"	3"	3"	2"
H240FST	240	42"	48"	2"	3"	3"	2"

#### Horizontal Specification

Flash tank shall be manufactured by Cemline Corporation and shall be model \_\_\_\_\_. Flash tank shall be A.S.M.E. Code constructed and stamped for 150# working pressure. Flash tank shall be registered with The National Board of Boiler and Pressure Vessel Inspectors. Interior of flash tank

shall be blacksteel. Exterior shall be coated with one coat shop primer. Flash tank shall be piped as shown on drawing.

#### Options

- Flash tank shall be furnished with internal spray pipe with 1/4" holes

drilled at 0-90-180, and 270 degrees. Total cross section area of holes shall be equal to or greater than cross section of condensation pipe.

- Tank shall have 4" x 6" handhole.
- Tank shall have internal elbow and down pipe.

# FST Series



## Vertical Flash Tank

Cemline offers flash tanks in both horizontal and vertical configuration. Horizontal flash tanks are based on flashing from the surface of a pool of water. The surface flashing requires a larger tank. Vertical flash tanks use a cyclone effect to separate the flash from the condensate. These flash tanks require a smaller tank.

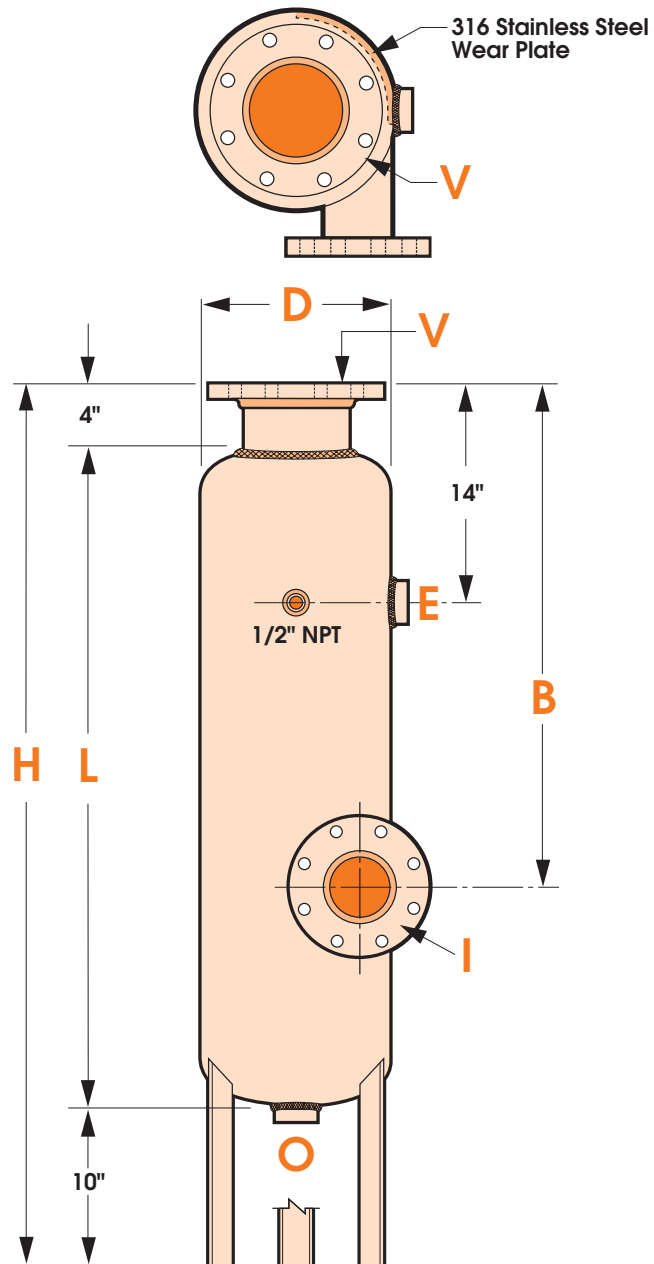
### Vertical Flash Tanks

Vertical flash tanks use a cyclone effect to separate the flash from the condensate. These flash tanks require a smaller tank.

Cemline flash tanks are A.S.M.E. code constructed and stamped for 150 PSI working pressure of carbon steel and have a prime painted exterior. Vessels are registered with the national board and will meet state codes.

### Vertical Specification

Flash tank shall be manufactured by Cemline Corporation and shall be model \_\_\_\_\_. Flash tank shall be A.S.M.E. Code constructed and stamped for 150# working pressure. Flash tank shall have 150# RF flanges. Flash tank shall be registered with The National Board of Boiler and Pressure Vessel Inspectors. Interior of flash tank shall be blacksteel. Exterior shall be coated with one coat shop primer. Flash tank shall require a 316 Stainless steel wear plate. Flash tank shall be piped as shown on drawing.



Model Number	D Diameter	L Length	I Inlet (FLG)	V Vent (FLG)	O Outlet (NPT)	H Height	B Distance to Inlet	E Opening (NPT)
V4FST	6 5/8"	36"	2"	2.5"	1.5"	50"	26"	1.5"
V8FST	8 5/8"	36"	3"	4"	1.5"	50"	26"	1.5"
V20FST	12 3/4"	42"	4"	6"	2"	56"	32"	2"
V40FST	16"	48"	6"	6"	2"	62"	38"	2"
V62FST	20"	48"	8"	8"	2"	62"	38"	2.5"

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