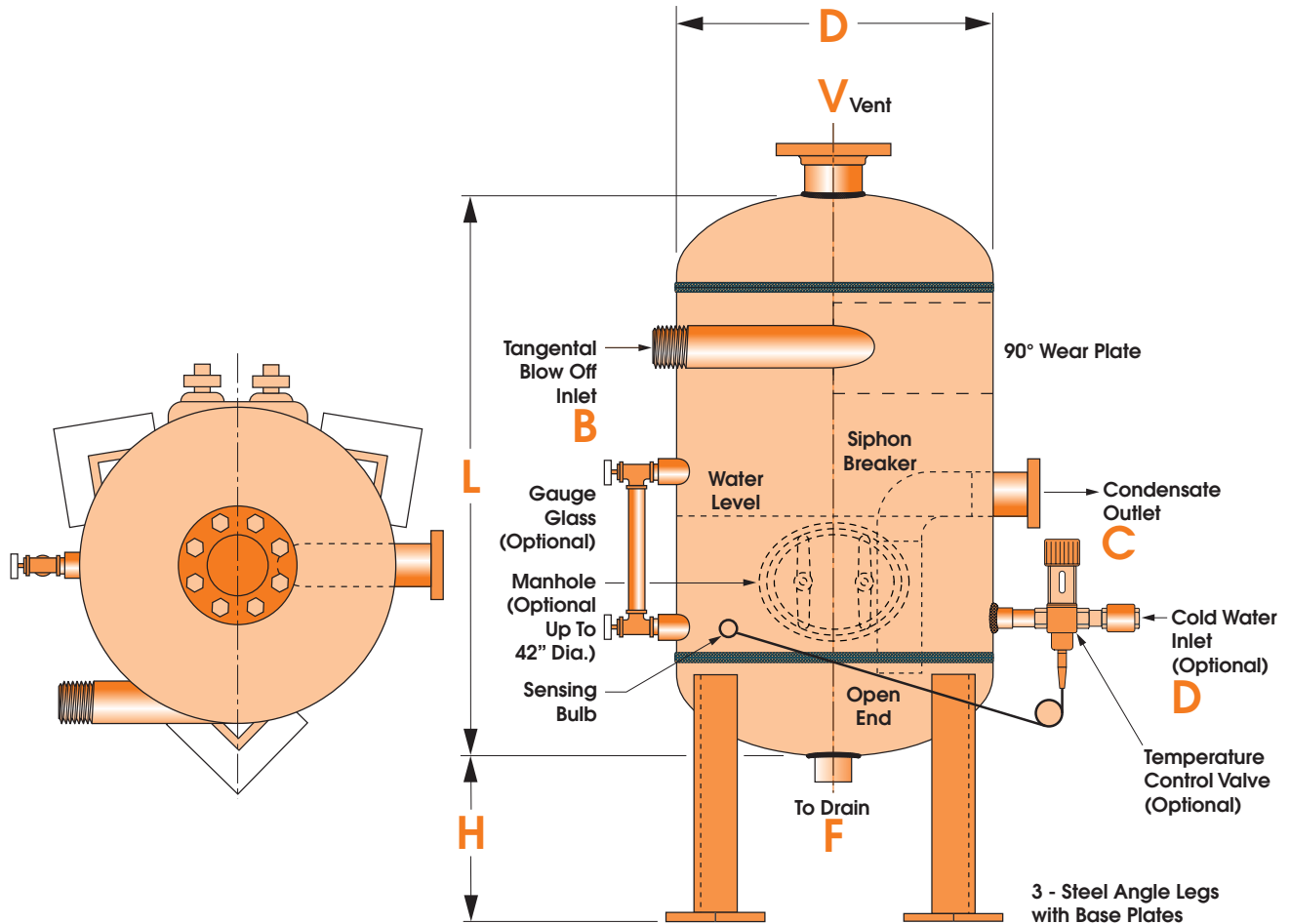


BOT Series



Cemline Blow Off Tank

Blow down tanks are manufactured in accordance with the ASME Code, Section VIII for MAWP of 125 psi. Tanks constructed for greater working pressures are available.



Model Number	Capacity Gallons	D	L	H	Vent V	Blow Off B	Outlet C	Drain F	Cold Water D
V30BOT	30	16"	36"	12"	2-1/2" NPT	3/4" NPT	2" NPT	1-1/2"	1/2" NPT
V50BOT	50	20"	42"	12"	2-1/2" NPT	3/4" NPT	2" NPT	1-1/2"	1/2" NPT
V87BOT	87	24"	48"	12"	3" NPT	1" NPT	2" NPT	1-1/2"	1/2" NPT
V140BOT	140	30"	48"	12"	3" NPT	1-1/4" NPT	2" NPT	1-1/2"	3/4" NPT
V215BOT	215	36"	54"	12"	5" FLG.	1-1/2" NPT	2-1/2" NPT	2" NPT	3/4" NPT
V320BOT	320	42"	60"	12"	5" FLG.	2"	3" NPT	2" NPT	3/4" NPT
V455BOT	455	48"	66"	12"	6" FLG.	2-1/2"	4" FLG.	2" NPT	1" NPT
V620BOT	620	54"	72"	12"	8" FLG.	3"	5" FLG.	2" NPT	1" NPT
V815BOT	815	60"	78"	12"	10" FLG.	4"	6" FLG.	2" NPT	1" NPT

CEMLINE CORPORATION

PO. BOX 55 CHESWICK, PENNSYLVANIA 15024
Phone: (724) 274-5430 FAX (724) 274-5448

www.cemline.com

Blow Off tanks are vessels used as holding tanks to reduce the pressure and temperature of water drained from boilers and to ensure the safe release of boiler drain water into the sewage system.

The Blow Down tank is furnished with a tangential blow off inlet with a 90° steel wear plate. As the blow off liquid enters the vessel it flashes to steam. The flash steam goes through the vent to atmosphere. The condensate falls to the bottom of the vessel where it accumulates. When the water level in the vessel gets to the height of the condensate outlet, it flows to drain. As the water is draining from the bottom of the vessel, in many cases the condensate going to the drain will be below the maximum allowable temperature for water entering a municipal sewer. Cemline can furnish the boiler blow off tank with a temperature control valve which will introduce cold city water into the blow off vessel to maintain proper drain temperature.

Blow Down tanks are constructed in accordance with The National Board Rules and Recommendations for the Design of a Boiler Blow Off System. This pamphlet is available from The National board of Boiler and Pressure Vessel Inspectors in Columbus, Ohio. In sizing a blow down tank, the blow down vessel should be of a volume equal to at least twice the volume of one blow down when the water level in the boiler is reduced by not less than 4".

Specification

Blow Off tank shall be model _____ as manufactured by Cemline and shall be ASME Code constructed and stamped for 125 psi working pressure and shall be registered with the National Board of Boiler and Pressure Vessel Inspectors. Blow off tank shall have tangential blow off inlet and minimum 3/8" thick 90 Degree wear plate, internal elbow and pipe to drain water from the bottom of the tank. Internal pipe shall have syphon breaker. Vessel shall be furnished with angle iron legs with base plates. Vessels 42" in diameter and larger shall be furnished with 12" x 16" manhole. Vessel shall have openings for gauge glass, cooling water inlet, sensing bulb, and drain.