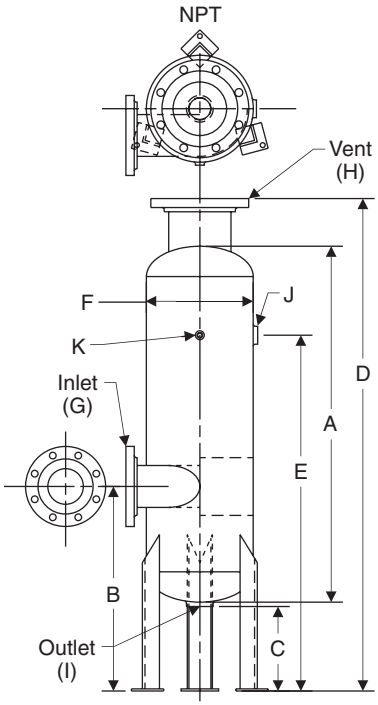
Vertical Flash Tanks (VAFT)



Features

- ASME coded and stamped vessels
- Standard pressure rating 150 psi (other pressure ratings available upon request)
- Standard models are designed and sized to cover a wide range of applications and loads
- Flash vessels are designed to provide low velocity flash steam with no water carryover
- Quick payback for flash recovery investment
- **Special tanks available upon request**

For a fully detailed certified drawing, refer to CDF #1023.

Flash Steam Savings Analysis

Part I: Determining the amount of flash steam produced

A. Condensate Load — A = _____ lb/hr.

B. Annual hours of operation — B = _____ hrs/yr.

C. Steam Cost — C = _____ $/1,000 lbs.

D. Flash steam percentage from chart (on page 264) — D = _____ %

E. Flash steam produced:

D x A = flash steam produced — E = _____ lb/hr.

Part II: Determining dollar value of the flash steam

F. Annual flash steam savings:

$$F = \frac{E \times B \times C}{1{,}000}$$

F = _____ $/yr.

Physical Data—Standard Design Model VAFT

Model No.	AFT-6		AFT-8		AFT-12		AFT-16	
	in	mm	in	mm	in	mm	in	mm
A	36	914	36	914	40	1,016	48	1,219
B	21	533	21	533	23	584	26	660
C	9-1/2	241	9-1/2	241	9-1/2	241	9-1/2	241
D	51	1,295	52	1,321	55-3/8	1,407	63-1/2	1,613
E	36	914	36	914	40	1,016	48	1,219
F	6	150	8	203	12	305	16	406
G	2	50	3	80	4	102	6	150
H	2-1/2	65	4	102	6	150	6	150
I	1-1/2	40	1-1/2	40	2	50	2	50
J	3/4	20	1	25	1-1/2	40	2	50
K	1/2	15	1/2	15	1/2	15	1/2	15

NOTE: Connections “G” and “H” are 150 lb. flanges. All others are NPT. All flash tanks are ASME coded for 150 psig (10 bar). Special sizes available upon request.

Capacities—Standard Design Model VAFT

Model No.	Maximum Condensate Load		Maximum Flash Load	
	lb/hr	kg/hr	lb/hr	kg/hr
AFT-6	2,000	907	500	227
AFT-8	5,000	2,268	1,000	454
AFT-12	10,000	4,536	2,000	907
AFT-16	20,000	9,072	3,000	1,361