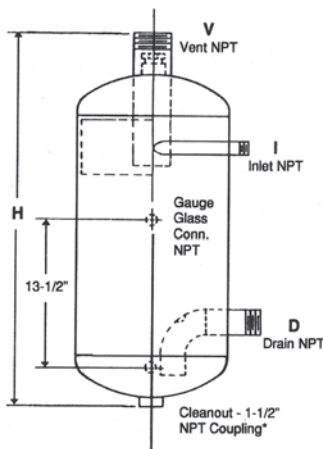
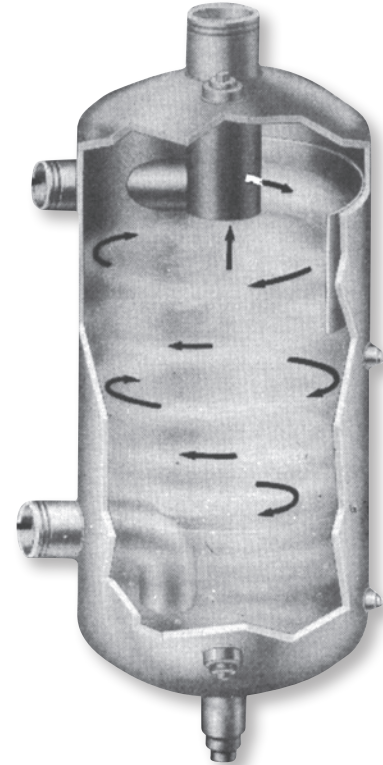


Flash Separator

- Reduces steam pressure or vents process steam directly to atmosphere.
- Eliminates moisture from process steam (cyclonic spinning mechanism permits the use of smaller tanks to completely separate flash steam from condensate).
- ASME Section VIII "UE" stamped separator standard up to model BFS-16-56.
- ASME Section VIII "U" stamped separator standard for models BFS-16-56 and above.
- Sized to accommodate a given #/hour flow rate of steam from a given source psig to a given vent psig.
- Model Range:
6" diameter x 34" high through
36" diameter x 108" high
- Modular configuration to meet customer requirements include: a flash separator and the following options: trap, check valve, ball valve, safety relief valve and gauge glass.
- Can be custom configured to meet customer requirements.
- Stainless steel striking plate standard.



*Flash Separators over 18" diameter, cleanout will be 2" NPT coupling.

After determining the percent of flash from the chart to the right, determine the size of Flash Separator from the chart on the back. EXAMPLE: Referring back to the chart to the right, you have a 7.6% flash, if you have 30,000 #/hour condensate at 75 PSIG, 2,280 #/hour steam (30,000 x .076). Locate 30,000 in the left column of the chart on the back, go across to 2,280 #/hour flash steam column (3,000). You would use a 56" high x 18" diameter Flash Separator with a 3" draft and 5" vent.

DIMENSION CHART MODEL BFS

I	Inlet - Specify inlet to match your return line or blowoff line											
H	34	56	72	96	108	-	-	-	-	-	-	-
DIA.	6	8	10	14	16	18	20	24	30	36	-	-
D	1	1-1/4	1-1/2	2	2-1/2	3	4	5	-	-	-	-
V	2	2-1/2	3	4	5	6	8	10	12	14	16	18
PL	5/16	3/8	-	-	-	-	-	-	-	-	-	-

PRESSURE FROM...

Pressure To...	800	700	600	500	400	300	200	100	75	50	25
700	2.5	-	-	-	-	-	-	-	-	-	-
600	5.2	-	-	-	-	-	-	-	-	-	-
500	7.9	2.7	2.9	-	-	-	-	-	-	-	-
400	10.8	8.5	6.0	3.2	-	-	-	-	-	-	-
300	14.1	11.9	9.4	6.7	3.7	-	-	-	-	-	-
200	18.0	15.8	13.5	10.9	7.9	-	-	-	-	-	-
100	23.1	21.0	18.8	16.3	13.5	10.2	6.0	-	-	-	-
50	26.9	24.9	22.7	20.4	17.6	14.4	10.4	4.6	2.5	-	-
30	29.0	27.0	24.9	22.6	19.9	16.7	12.8	7.1	5.1	2.6	-
15	31.1	29.2	27.1	24.8	22.2	19.0	15.2	9.6	7.6	5.2	1.8
7	32.6	30.7	28.6	26.4	23.8	20.7	16.9	11.3	9.4	7.0	3.7
0.0	34.3	32.4	30.4	28.2	25.6	22.5	18.7	13.3	11.9	9.0	5.8

Follow the "Pressure From..." down vertically on the chart above to the "Pressure To..."

EXAMPLE: 75 PSIG condensate flashed to low pressure heating system at 15 PSIG gives 7.6% condensate flashed into system.

Flash Separator

#/HOUR FLASH STEAM

#/Hour Condensate		100	500	700	1,000	2,000	3,000	4,000	8,000	12,000	18,000	21,000	25,000	35,000
100,000	Height	108	108	108	108	108	108	108	108	108	108	108	108	108
	Diameter	30	30	30	30	30	30	30	30	30	30	30	36	36
	Drain	5	5	5	5	5	5	5	5	5	5	5	5	4
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	18
90,000	Height	96	96	96	96	96	96	96	96	96	96	96	96	96
	Diameter	30	30	30	30	30	30	30	30	30	30	30	36	36
	Drain	5	5	5	5	5	5	5	5	5	5	4	4	4
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	18
80,000	Height	96	96	96	96	96	96	96	96	96	96	96	96	96
	Diameter	24	24	24	24	24	24	24	24	24	24	30	36	36
	Drain	5	5	5	5	5	5	5	5	4	4	4	4	4
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	18
70,000	Height	72	72	72	72	72	72	72	72	72	72	72	72	72
	Diameter	24	24	24	24	24	24	24	24	24	24	30	36	36
	Drain	4	4	4	4	4	4	4	4	4	4	4	4	4
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	18
60,000	Height	56	56	56	56	56	56	56	56	56	56	56	56	-
	Diameter	24	24	24	24	24	24	24	24	24	24	30	36	-
	Drain	4	4	4	4	4	4	4	4	4	4	4	4	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
50,000	Height	72	72	72	72	72	72	72	72	72	72	72	72	-
	Diameter	20	20	20	20	20	20	20	20	20	24	30	36	-
	Drain	4	4	4	4	4	4	4	4	4	4	3	3	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
40,000	Height	56	56	56	56	56	56	56	56	56	56	56	56	-
	Diameter	20	20	20	20	20	20	20	20	20	24	30	36	-
	Drain	4	4	4	4	4	4	4	4	3	3	3	3	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
30,000	Height	56	56	56	56	56	56	56	56	56	56	56	56	-
	Diameter	18	18	18	18	18	18	18	18	18	20	24	30	-
	Drain	3	3	3	3	3	3	3	3	3	3	2-1/2	3	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
20,000	Height	56	56	56	56	56	56	56	56	56	56	56	56	-
	Diameter	14	14	14	16	16	16	16	16	16	20	24	30	-
	Drain	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2-1/2	2	2	2	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
10,000	Height	34	34	34	34	34	34	34	34	34	34	34	34	-
	Diameter	14	14	14	14	14	14	14	14	16	16	16	16	-
	Drain	2	2	2	2	2	2	2	2	1-1/2	1-1/2	1-1/2	1-1/2	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
5,000	Height	34	34	34	34	34	34	34	34	34	34	34	34	-
	Diameter	10	10	10	10	10	10	10	10	10	10	10	10	-
	Drain	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
3,000	Height	34	34	34	34	34	34	34	34	34	34	34	34	-
	Diameter	10	10	10	10	10	10	10	10	10	10	10	10	-
	Drain	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
2,000	Height	34	34	34	34	34	34	34	34	34	34	34	34	-
	Diameter	8	8	8	8	8	8	8	8	8	8	8	8	-
	Drain	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
1,000	Height	34	34	34	34	34	34	34	34	34	34	34	34	-
	Diameter	6	6	6	6	6	6	6	6	6	6	6	6	-
	Drain	1	1	1	1	1	1	1	1	1	1	1	1	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-
500	Height	34	34	34	34	34	34	34	34	34	34	34	34	-
	Diameter	6	6	6	6	6	6	6	6	6	6	6	6	-
	Drain	1	1	1	1	1	1	1	1	1	1	1	1	-
	Vent	2	2	2-1/2	3	4	5	6	8	10	12	14	16	-



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