



SUBMITTAL

TYPE: SEP ASME AIR SEPARATOR WITH STRAINER

MODELS SEP 2 TO SEP 16
SUBMITTAL SHEET No. B-3305

Date: 2-01

<p>JOB</p> <p>Unit Tag No. _____</p> <p>Engineer _____</p> <p>Contractor _____</p>	<p style="text-align: center;">FLO FAB Representative _____</p> <hr/> <p>Order No. _____ Date _____</p> <p>Submitted By _____ Date _____</p> <p>Approved By _____ Date _____</p>
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DESCRIPTION

Flo Fab SEP Vortex type Air Separators eliminate air quickly and efficiently from open and closed loop heating/cooling systems. Water enters and exits through unique "tangential" connections, which promote a low velocity swirling effect in the center of the unit. Natural centrifugal forces allow the heavier air-free water to move towards the outer edges while entrained air is captured within the "eye" of the vortex and released out the top of the separator. The water then exits near the bottom of the unit, bubble free, protecting the system against the noise, corrosion, and damage commonly caused by entrained air. SEP shall have a system strainer.

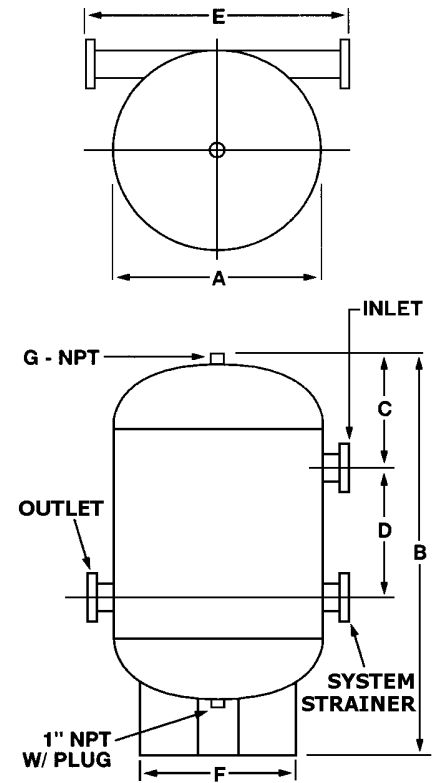
CONSTRUCTION

Shell: Carbon steel
 Heads: Carbon steel

PERFORMANCE LIMITATIONS

Maximum Design Pressure: 125 PSIG
 Maximum Design Temperature: 450°F

Model Number	Max GPM	Conn. Size	Type	Dimensions in inches							Approx. Lbs.
				A	B	C	D	E	F	G	
SEP 2	56	2	NPT	12	22 1/2	5 1/2	8 1/2	16 5/8	9 1/2	1 1/4	55
SEP 2-1/2S	90	2.5	NPT	12	22 1/2	5 1/2	8 1/2	16 5/8	9 1/2	1 1/4	61
SEP 3S	190	3	FLANGED	12	22 1/2	5 3/4	8	19 3/4	9 1/2	1 1/4	66
SEP 4S	300	4	FLANGED	14	32	9 1/8	10 3/4	21 3/4	11 1/2	1 1/2	99
SEP 5S	530	5	FLANGED	14	32	9 1/8	10 3/4	21 3/4	11 1/2	1 1/2	163
SEP 6S	850	6	FLANGED	20	44	13 1/4	14 1/2	28	18	2	210
SEP 8S	1900	8	FLANGED	20	44	13 1/4	14 1/2	28	18	2	417
SEP 10S	3200	10	FLANGED	30	60 1/2	19	20	41	24	2	658
SEP 12S	4800	12	FLANGED	30	60 1/2	19	20	41	24	2	1042
SEP 14S	6100	14	FLANGED	36	78	22	31 1/2	46 3/8	30	2	1848
SEP 16S	8000	16	FLANGED	48	108	30	40	60	38	2	2530
SEP 18S	9700	18	FLANGED	54	124	33	50	66	44	2	3559
SEP 20S	12000	20	FLANGED	60	138	35	60	72	50	2	5610
SEP 22S	15000	22	FLANGED	66	150	38	66	78	56	2	6765
SEP 24S	17000	24	FLANGED	72	150	40	66	80	56	2	7931



TYPICAL SPECIFICATION

Furnish and install as shown on plans, a vortex type air separator Model SEP _____ with system strainer, sized for _____ GPM, with _____ (NPT / Flanged) tangential connections, as manufactured by Flo Fab. The air separator shall be designed in accordance with the latest revisions of the ASME Code for Boilers and Pressure Vessels, Section VIII, Division 1, and shall be constructed and stamped for 125 PSI working pressure @ 450°F. A blowdown connection shall be provided to facilitate routine cleaning of the unit. Each air separator shall be Flo Fab. SEP _____ or approved equal.