

ESPA

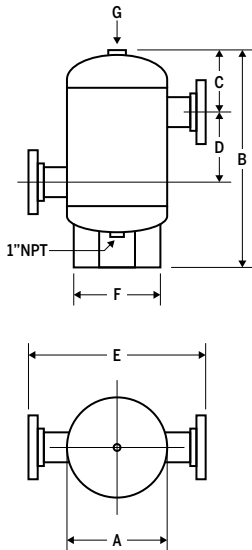
WITHOUT STRAINER

- ▶ Design conforms to ASME, section VIII
- ▶ Tangentially separates the air
- ▶ Adapted fluids: water and 50% glycol solution
- ▶ Ideal for heating or cooling installations in open or closed loop
- ▶ Calvent automatic air vent (#CV050) available in option

TECHNICAL SPECIFICATIONS

- ▶ Carbonized steel housing
- ▶ Exterior finish in painted primer
- ▶ Maximum temperature: 232°C (450°F)
- ▶ Maximum service pressure: 125 PSI
- ▶ Pressure of 150, 175, 200, 250 and 300 PSI also available

✘ To obtain an air separator of higher capacity and greater pressure, communicate with the manufacturer.



Model#	Max GPM	Connect.		Type	Dimensions												Approx. weight			
		in	mm		A		B		C		D		E		F		in	mm		
					in	mm	in	mm	in	mm	in	mm	in	mm	in	mm				
ESPA-2	56	2	51	NPT	12	305	22½	572	5½	140	8½	216	16%	422	9½	241	1¼	32	50	23
ESPA-2.5	90	2½	64	NPT	12	305	22½	572	5½	140	8½	216	16%	422	9½	241	1¼	32	55	25
ESPA-3	190	3	76	CLAMPED	12	305	22½	572	5¾	146	8	203	19¾	502	9½	241	1¼	32	60	27
ESPA-4	300	4	102	CLAMPED	14	356	32	813	9¾	232	10¾	273	21¾	552	11½	292	1½	38	90	41
ESPA-5	530	5	127	CLAMPED	14	356	32	813	9¾	232	10¾	273	21¾	552	11½	292	1½	38	148	67
ESPA-6	850	6	152	CLAMPED	20	508	44	1118	13¾	337	14½	368	28	711	18	457	2	51	191	87
ESPA-8	1900	8	203	CLAMPED	20	508	44	1118	13¾	337	14½	368	28	711	18	457	2	51	379	172
ESPA-10	3600	10	254	CLAMPED	30	762	60½	1537	19	483	20	508	41	1041	24	610	2	51	598	271
ESPA-12	4800	12	305	CLAMPED	30	762	60½	1537	19	483	20	508	41	1041	24	610	2	51	947	430
ESPA-14	6100	14	356	CLAMPED	36	914	78	1981	22	559	31½	800	46%	1178	30	762	2	51	1680	762
ESPA-16	8000	16	406	CLAMPED	48	1219	108	2743	30	762	40	1016	60	1524	38	965	2	51	2300	1043
ESPA-18	9700	18	457	CLAMPED	54	1371	124	3150	33	838	50	1270	66	1676	44	1118	2	51	3235	1467
ESPA-20	12000	20	508	CLAMPED	60	1524	137	3480	35	889	60	1524	72	1829	50	1270	2	51	5100	2313
ESPA-22	15000	22	559	CLAMPED	66	1676	150	3810	38	965	66	1676	78	1981	56	1422	2	51	6150	2790
ESPA-24	17000	24	610	CLAMPED	66	1676	150	3810	38	965	66	1676	80	2032	56	1422	2	51	6400	2903

QUANTITY: _____ MODEL: ESPA- _____

MAXIMUM PRESSURE: 300 PSI / 21 bar 250 PSI / 17 bar 200 PSI / 13 bar 175 PSI / 12 bar 150 PSI / 10 bar Other*: _____

Notes: _____

Project: _____ Representative: _____

Location: _____ Date submitted: _____

Engineer: _____ Approved by: _____

Contractor: _____ Date of approval: _____

*Subject to the manufacturer's approval.

TYPICAL SPECIFICATIONS: Furnish and install as shown on plans, a vortex type air separator model ESPA-_____, sized for _____ GPM, with _____ in/mm (NPT/Flanged) tangential connections, as manufactured by Expansive Systems. The air separator shall be designed in accordance with the latest revisions of the ASME Code for Boilers and Pressure vessels, Section VIII, Division I, 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 Expansive Systems ESPA-_____ or approved equal.