

SUBMITTAL DATA



TANGENTIAL AIR SEPARATORS ESPA



Job Name: _____
 Location: _____
 Engineer: _____
 Contractor: _____
 Sales Rep.: _____

Submitted by: _____ Date: _____
 Approved by: _____ Date: _____
 Order No.: _____ Date: _____
 Notes: _____

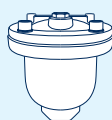
QUANTITY

MAXIMUM PRESSURE

☐ 125 PSI ☐ 150 PSI
☐ 175 PSI ☐ 200 PSI
☐ 250 PSI ☐ 300 PSI
☐ Other*:

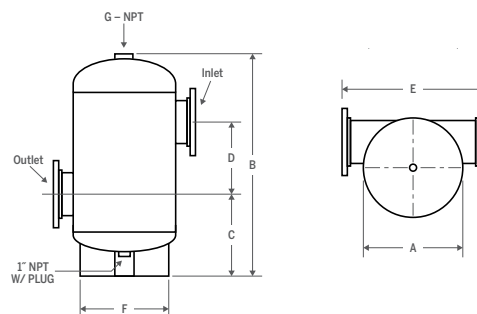
OPTIONAL

☐ Industrial vent (#MV15)



*Subject to the manufacturer's approval.

MODEL



Without strainer

Features

- ▶ Design conforms to ASME, section VIII

Technical Specifications

- ▶ Carbonized steel housing
- ▶ Black oxide primer
- ▶ Maximum design temperature: 232°C (450°F)
- ▶ Maximum design pressure: 125 PSI
- ▶ Pressure of 150, 175, 200, 250 and 300 PSI also available

To obtain a separator of higher capacity and greater pressure, contact the manufacturer.

Model#	Max GPM	Connect.		Type	Dimension														Weight	
					A		B		C		D		E		F		G			
		in	mm		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg
ESPA2	56	2	51	NPT	12	305	22½	572	9	229	8½	216	16¾	422	9½	241	1¼	32	34	15
ESPA2.5	90	2½	64	NPT	12	305	22½	572	9	229	8½	216	16¾	422	9½	241	1¼	32	37	17
ESPA3	190	3	76	CLAMPED	12	305	25	625	9¾	248	8	203	19¾	502	9½	241	1¼	32	45	20
ESPA4	300	4	102	CLAMPED	14	356	32	813	12½	308	10¾	273	21¾	552	11½	292	1½	38	80	36
ESPA5	530	5	127	CLAMPED	14	356	32	813	12½	308	10¾	273	21¾	552	11½	292	1½	38	125	57
ESPA6	850	6	152	CLAMPED	20	508	44	1118	16¾	413	14½	368	28	711	18	457	2	51	175	79
ESPA8	1900	8	203	CLAMPED	20	508	44	1118	16¾	413	14½	368	28	711	18	457	2	51	210	95
ESPA10	3600	10	254	CLAMPED	30	762	60½	1537	21½	546	20	508	41	1041	24	610	2	51	460	209
ESPA12	4800	12	305	CLAMPED	30	762	60½	1537	21½	546	20	508	41	1041	24	610	2	51	577	262
ESPA14	6100	14	356	CLAMPED	36	914	78	1981	24½	622	31½	800	46¾	1178	30	762	2	51	850	386
ESPA16	8000	16	406	CLAMPED	48	1219	108	2743	38	965	40	1016	60	1524	38	965	2	51	1858	843
ESPA18	9700	18	457	CLAMPED	54	1371	124	3150	41	1041	50	1270	66	1676	44	1118	2	51	2490	1129
ESPA20	12000	20	508	CLAMPED	60	1524	137	3480	42½	1080	60	1524	72	1829	50	1270	2	51	3346	1518
ESPA22	15000	22	559	CLAMPED	66	1676	150	3810	46	1168	66	1676	78	1981	56	1422	2	51	3879	1759
ESPA24	17000	24	610	CLAMPED	66	1676	150	3810	46	1168	66	1676	80	1270	56	1422	2	51	4211	1910

005-2025-10

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 Calefactio. 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 Calefactio ESPA-_____ or approved equal.

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