

TRAGENTIAL

AIR SEPARATORS

VEECO™
VALVES RANGE

FEATURES

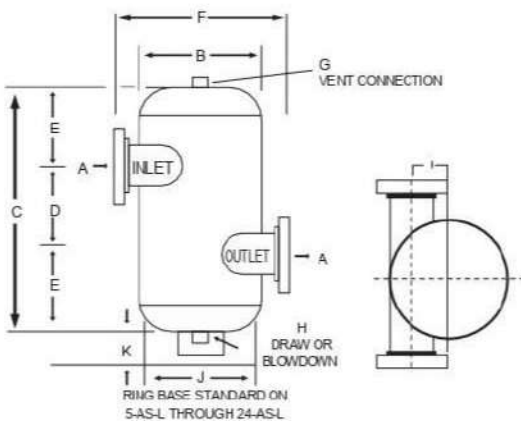
- . Designed, constructed and tested at works
- . Tangential design with low velocity vortex action
- . Flanged or grooved pipe connections
- . Removable stainless steel strainer available
- . Blowdown connection to enable cleaning of unit and strainer
- . NPT vent connection.
- . Connection sizes 1 to 24

Pressure Rating PN-16

Materials of Construction

- . Steel - ANSI 150# flange construction
- . All steel body construction
- . Stainless Steel Strainer

50 to 600MM air Separators Without Strainers



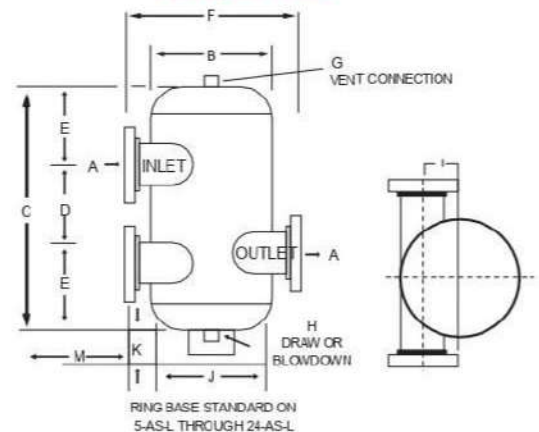
Series- VEECO- 170

PN- 16



Maximum Operating Conditions

50 to 600MM air Separators with Strainers



Series- VEECO-170/1

PN-16

MODEL WITHOUT strainer	MODEL WITH strainer	Dimension																							
		A		B		C		D		E		F		G		H		I		J		K		M	
		Size mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
Veeco-170	Veeco-170/1	25	41/2	114	12	305	4	102	4	102	7	178	¾	¾	1	-	-	-	-	-	-	-	-	-	
Veeco-170	Veeco-170/1	50	10	254	23	584	8	203	7½	191	16½	413	¾	¾	3	-	-	-	-	-	14	356			
Veeco-170	Veeco-170/1	65	10	254	23	584	8	203	7½	191	16¾	413	¾	¾	3	-	-	-	-	-	14	356			
Veeco-170	Veeco-170/1	80	10	254	23	584	8	203	7½	191	17	432	¾	¾	3	-	-	-	-	-	14	356			
Veeco-170	Veeco-170/1	100	12	305	24½	622	10	254	7½	184	20¾	527	¾	¾	3 1/2	-	-	-	-	-	16½	419			
Veeco-170	Veeco-170/1	125	16	406	34 1/2	876	12	305	11½	286	25	610	¾	¾	4 1/2	12¼	324	4	117	21½	546				
Veeco-170	Veeco-170/1	150	18	457	41	1041	14	358	13½	343	26	660	¾	¾	4 1/2	14	356	4	117	23	584				
Veeco-170	Veeco-170/1	200	24	610	52	1321	18	457	17	432	32	813	¾	¾	5 1/2	16	406	4	117	29	737				
Veeco-170	Veeco-170/1	250	30	762	59 1/2	1511	22	559	18½	476	40	1016	¾	¾	7 3/4	24	610	4	117	35	889				
Veeco-170	Veeco-170/1	300	36	914	70	1778	26	660	22	559	46	1168	¾	¾	7 3/4	30	762	12	321	40	1016				
Veeco-170	Veeco-170/1	350	42	1067	74	1882	30	762	22	559	52	1321	¾	¾	13	30	762	13	340	48	1219				
Veeco-170	Veeco-170/1	400	48	1219	90	2286	32	813	29	737	64	1626	3	3	15	42	1067	12½	318	56	1422				
Veeco-170	Veeco-170/1	450	54	1372	102	2591	36	914	33	845	64	1626	3	3	16	42	1067	12	314	62	1575				
Veeco-170	Veeco-170/1	500	60	1524	102	2591	40	762	36	914	70	1778	3	3	19	45	1143	6	176	68	1727				
Veeco-170	Veeco-170/1	550	60	1524	119	3023	48	1219	35	899	70	1778	3	3	18	45	1143	7	178	68	1727				
Veeco-170	Veeco-170/1	600	24	1829	137	3480	43	1092	44	1133	82	2083	3	3	22	45	1143	8	203	80	2032				

TRAGENTIAL AIR SEPARATORS

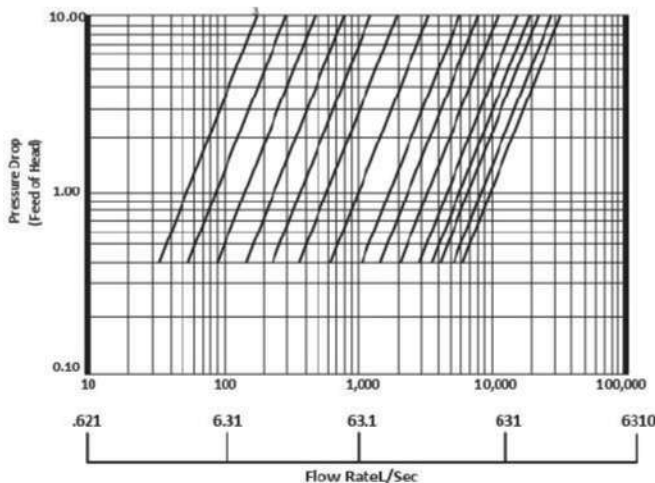
Pressure Drop Performance Curves

* The Veeco air separator flow chart indicates pressure drop in feet (meters) of water versus flow in gallons per minute (L/sec) with strainer. This is the recommended method for properly computing pressure drop in Veeco™ Air Separators.

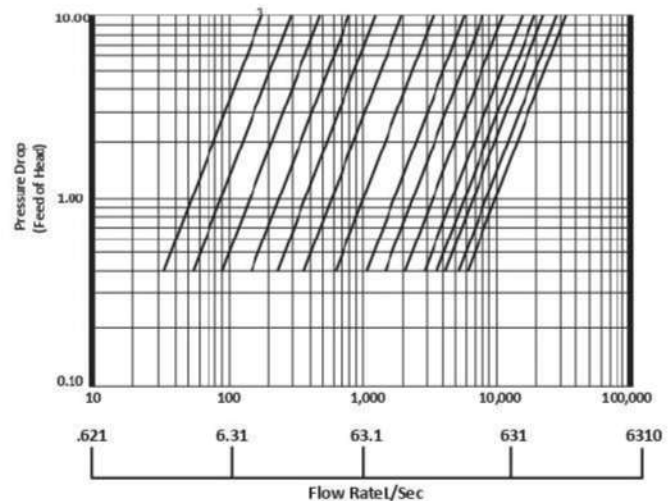
Designing the Ideal System Flow Rate

Veeco Sizing Theorem The closer you can design your system flow rate to six feet/second (1.83 m/s), the greater the percentage of air elimination on each pass through the air separator.

Air Separator without Strainer Flow Chart



Air Separator with Strainer Flow Chart



Typical Specifications

Furnish and install, as shown on plan, a centrifugal type air separator. The unit shall have (NTP/Flanged/grooved) inlet and outlet connections tangential to the vessel shell. An NPT vent connection shall be fitted to the top of the vessel to enable installation of piping. Air separator shall have all steel body construction.

The unit shall have a removable stainless steel system strainer with 3/16" (4.8mm) diameter holes (perforation) a blowdown shall be provided to facilitate routine cleaning of strainer. (Disregard this paragraph if system trainer is not specified). Manufacturer to furnish data sheet & Guarantee Certificate along with Supply

Mfg. & Mkt. by



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