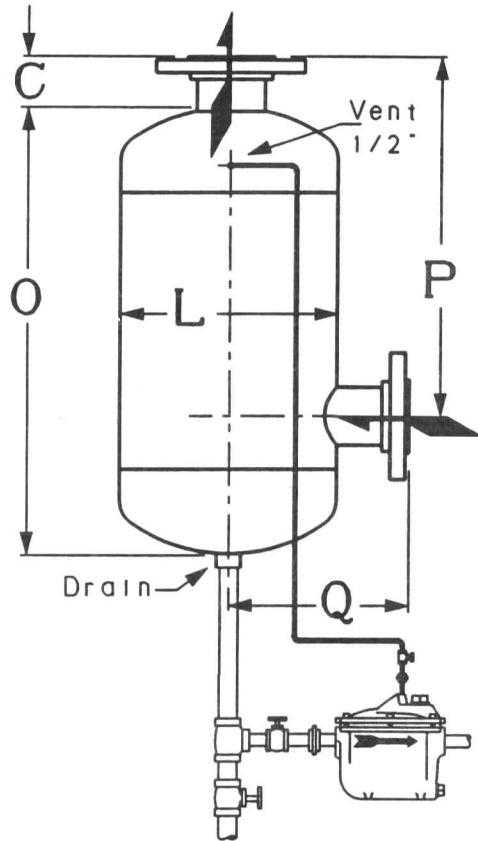


WRIGHT-AUSTIN TYPE "35-L" GAS/LIQUID SEPARATOR

(For Horizontal Inlet with Vertical Up Flow Discharge Installations)



Typical Air or Gas Installation

Wright-Austin air or gas separator with sediment pocket and float type trap. Vent line used always where needed to prevent vapor lock.

For positive drainage of separator, install trap a minimum of 6" below separator drain. For every inch of horizontal piping to trap, add one inch to the vertical piping. Do not reduce separator drain size in vertical pipe.

Size Inches	Dimensions						Weight vs. Design Pressure and Temperature				
	C Inches	L Inches	O Inches	P Inches	Q Inches	Drain Inches	75 PSI 450 F Pounds	150 PSI 450 F Pounds	250 PSI 650 F Pounds	350 PSI 650 F Pounds	500 PSI 650 F Pounds
1-1/2	2-1/2	6-5/8	19	15	6	1	60	60	66	66	66
2	3	8-5/8	20	16	8	1	73	73	77	77	77
2-1/2	3	8-5/8	20	16	8	1	97	97	103	103	103
3	3	10-3/4	26	21	9	1-1/4	147	147	157	157	157
4	4	14	28	23	11	1-1/4	198	198	216	216	216
5	4	16	33	27	12	1-1/2	216	287	313	313	334
6	4	18	37	30	13	1-1/2	289	350	358	390	480
8	5	20	45	37	15	2	417	524	564	585	652
10	5	24	54	44	17	2	630	746	874	908	1050
12	5	30	66	52	20	2-1/2	926	1063	1259	1353	1568
14	5	36	73	58	23	2-1/2	1245	1418	1785	2104	2320
16	5	40	85	68	25	3	1353	1972	2367	2925	3290
18	6	42	90	72	27	3	1858	2353	3009	3127	
20	6	48	97	78	30	4	2221	2547	3647		
22	6	48	105	84	30	4	2827	3196			
24	6	54	113	90	33	4	3377	3730			

NOTES: 1) Drain connections smaller than 4" are NPT, 4" and larger are flanged. 2) Dimensions shown for 1-1/2" through 6" are valid for 150 lb., 300 lb., and 600 lb. ANSI flanges. Dimensions for 8" size and larger are valid for 150 lb. and 300 lb. flanges.

APPLICATIONS

Wright-Austin separators are designed for the removal of entrained liquid or solids from air, gas or steam. This particular type is effective in applications where the system has an entrained liquid flow rate of up to 10% of the air, gas or steam flow rate.

DESIGN

The Wright-Austin type "35-L" gas/liquid separator is designed to remove 99% of all liquids and solids, 10 micron size and larger, from a gas stream. This separation is accomplished by curved stationary blading causing the gas stream to enter a controlled centrifugal flow. This action forces the entrained liquids and solids to the outer wall. Our exclusive system guarantees no re-entrainment, assuring a dry gas stream at separator outlet.

ASME Code Construction

Standard Wright-Austin type "35-L" separators are furnished in carbon steel with type 304L stainless steel internals. The separators are designed and constructed to ASME code for unfired vessels, Section VIII, Division 1. Wright-Austin separators are furnished with flange and vessel ratings as follows:

150 lb. ANSI flanges

75 PSIG at 450 dg F
150 PSIG at 450 dg F
200 PSIG at 300 dg F

300 lb. ANSI flanges

250 PSIG at 650 dg F
350 PSIG at 650 dg F
500 PSIG at 650 dg F

Certified for dimensions

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