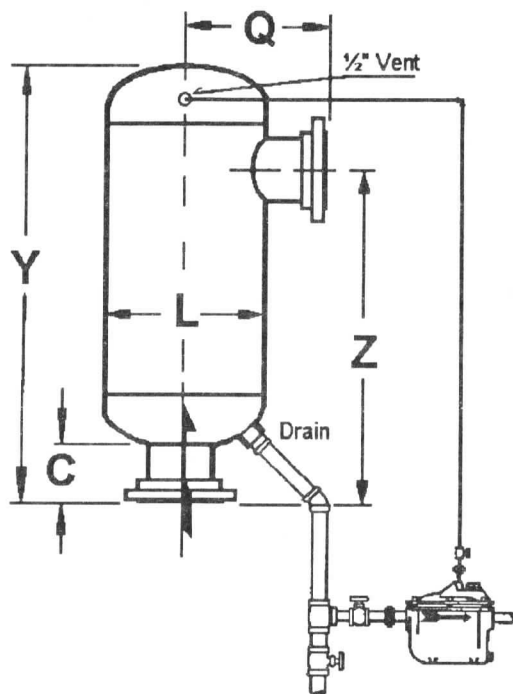


WRIGHT-AUSTIN TYPE "37-L" GAS/LIQUID SEPARATOR

(For Vertical Up Flow Installations with Side Outlet)



Typical Air or Gas Installation

Wright-Austin air or gas separator with sediment pocket and float type trap. Vent line is 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	Q Inches	Y Inches	Z 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	6	25	18	1		70			85
2	3	8-5/8	8	27	20	1		85			135
2-1/2	3	8-5/8	8	27	20	1		100			140
3	3	10-3/4	9	31	22	1-1/2		140	170	185	190
4	4	14	11	38	28	1-1/2		210	255	325	395
5	4	16	12	43	32	1-1/2		245	365	450	540
6	4	18	13	46	34	1-1/2		315	535	550	650
8	5	20	15	59	45	2	325	360	630	690	875
10	5	24	17	67	51	2	645	700	1050	1075	1200
12	5	30	20	78	60	2-1/2	950	980	1400	1540	1690
14	5	36	23	87	67	2-1/2	1450	1460	1820	1960	2250
16	5	40	25	96	75	3	1610	1640	2150	2660	3650
18	6	42	27	105	81	3	2030	2065	2950	3780	
20	6	48	30	113	88	4	2300	2370	3500		
22	6	48	30	126	99	4	3350	3575			
24	6	54	33	138	109	4	3850				

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 20% by weight of the vessel's flow rate capacity for air, gas or steam.

DESIGN

The Wright-Austin type "37-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 that causes 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 "37-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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