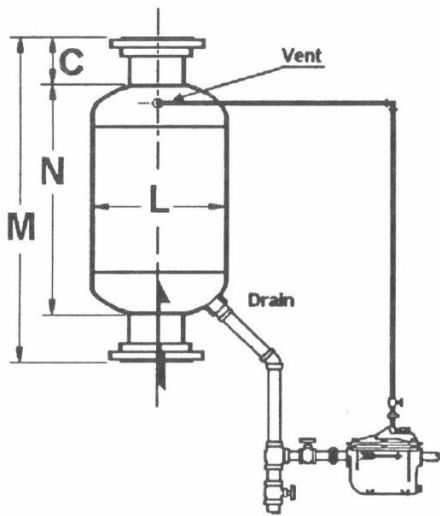


# WRIGHT-AUSTIN TYPE "32-L" GAS/LIQUID SEPARATOR

(For Vertical Up Flow Installations)



### TYPICAL 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.

Effective August 1, 1995

Size Inches	Dimensions					Weight vs. Design Pressure and Temperature				
	C Inches	L Inches	M Inches	N 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	17	12	1		50			60
2	3	8 5/8	19	13	1		60			95
2 1/2	3	8 5/8	19	13	1		70			100
3	3	10 3/4	22	16	1 1/2		100	120	130	135
4	4	14	28	20	1 1/2		150	180	230	280
5	4	16	30	22	1 1/2		175	260	320	380
6	4	18	33	25	1 1/2		225	380	390	460
8	5	20	39	29	2	230	255	450	490	620
10	5	24	48	38	2	460	495	750	765	825
12	5	30	54	44	2 1/2	680	700	1000	1100	1207
14	5	36	60	50	2 1/2	1030	1040	1290	1400	1600
16	5	40	66	56	3	1150	1170	1530	1900	2600
18	6	42	72	60	3	1450	1475	2100	2700	
20	6	48	78	66	4	1635	1690	2500		
22	6	48	83	71	4	2390	2548			
24	6	54	88	76	4	2750				

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 "32-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.

Certified for dimensions

### ASME Code Construction

Standard Wright-Austin type "32-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:

<u>150 lb. ANSI flanges</u>	<u>300 lb. ANSI flanges</u>
75 PSIG at 450 dg F	250 PSIG at 650 dg F
150 PSIG at 450 dg F	350 PSIG at 650 dg F
200 PSIG at 300 dg F	500 PSIG at 650 dg F

TB-522A