

Provides reliable and effective removal of line scale, liquids and other contaminants from process air and gas lines.

High separation efficiency peaks at 99% of all entrainment liquids, with efficiency maintained over a wide range of flow conditions. Handles high liquid-to-gas ratio by weight.

Employs no moving parts and is self-cleaning, greatly extending service life while lowering maintenance costs.

Minimal pressure drop assures full operating system pressure.

### SIMPLE, DEPENDABLE OPERATION

Entrainment laden gas, such as steam or air, enters the separator and is directed through stationary rotor blades at high velocity.

Liquid and solids in the spinning gas are thrown by centrifugal force against the wall of the vortex chamber.

Contaminants run down the chamber walls, past the baffle plate, and through the drain outlet.

Treated gas, still spinning, converges toward the center of the vortex chamber and, increasing in velocity, exits through the vortex finder tube to the gas outlet.

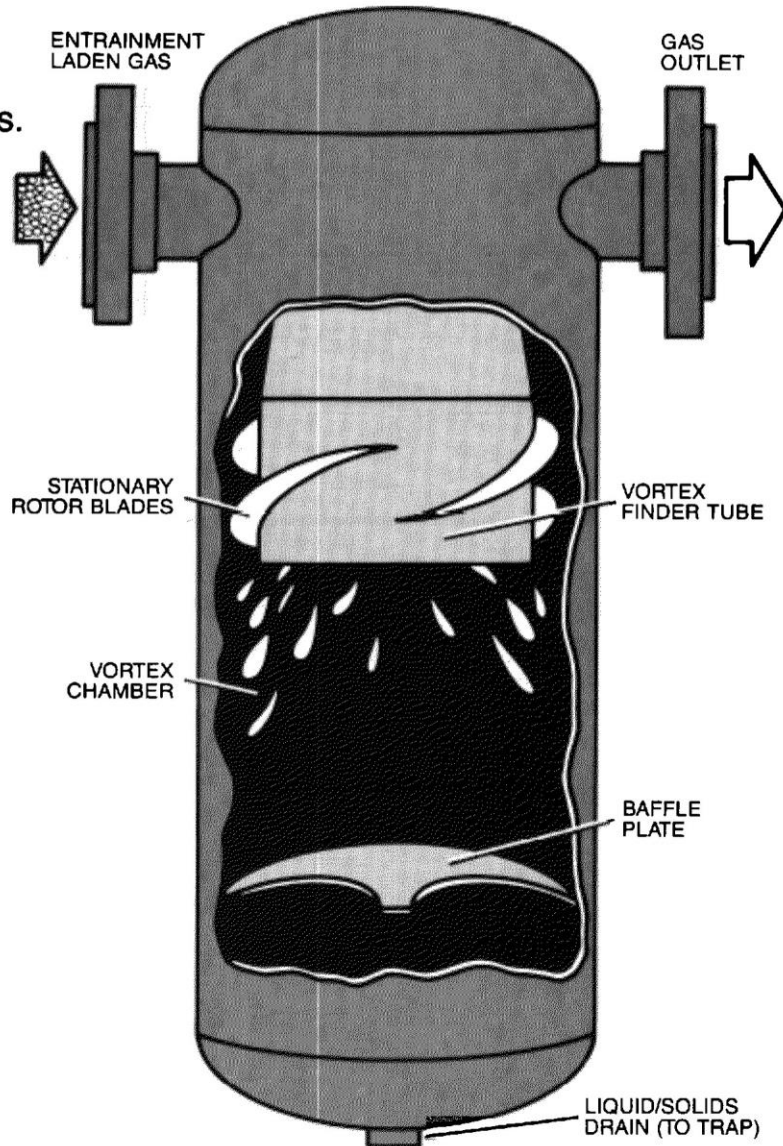
### TYPE TL APPLICATIONS

Keeps steam equipment clean and eliminates fouling of regulators, turbines, valves, etc.

Removes line scale, liquids and other contaminants from process gas and air lines.

Removes moisture from compressed air lines in plant service.

Removes condensate and oil from compressed gasses in intercooler and aftercooler service at compressor stations.



ANDERSON TYPE TL ENTRAINMENT SEPARATORS ARE AVAILABLE IN PIPE SIZES 1/4" THROUGH 24".

# DIMENSIONS AND ESTIMATED WEIGHTS

Drains 3" And Larger Are Flanged Slip-On • Separators Larger Than 24" Are Available Upon Request

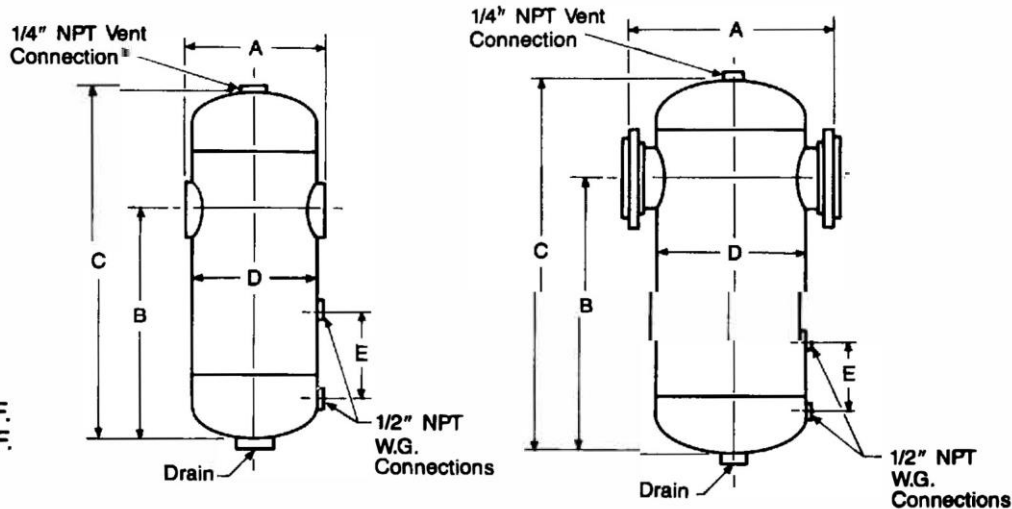
PIPE SIZE (IN.)	DIMENSIONS (INCHES)						NPT DRAIN (IN.)	WEIGHTS (LBS)		
	THREADED A	FLANGED A	B	C	D	E		THR'D.	150 LB. FLANGED	300 LB. FLANGED
1/4, 3/8	4-1/8	na	7	7-3/4	3-1/2	na	1/2	11	na	na
1/2, 3/4	5-1/4	na	9	9-7/8	4-1/2	na	3/4	18	na	na
1, 1-1/4	6-3/4	10-1/2	10-1/2	11-5/8	5-9/16	4-3/4	1	30	34	40
1-1/2, 2	7-5/8	11-1/2	12-1/2	14	6-5/8	4-3/4	1	50	56	61
2-1/2	10-5/8	16	15	22	8-5/8	5-3/4	1	na	95	105
3	12-3/4	18	18	26	10-3/4	5-3/4	1-1/4	na	148	148
4	na	20	22	31	12-3/4	5-3/4	1-1/4	na	195	220
5	na	22	26	36	14	7-7/8	1-1/2	na	225	285
6	na	24	30	41	16	7-7/8	1-1/2	na	350	380
8	na	28	37	50	18	7-7/8	2	na	480	615
10	na	33	55	70	24	7-7/8	2	na	770	1170
12	na	38	58	75	28	7-7/8	2-1/2	na	935	1505
14	na	42	60	79	32	7-7/8	2-1/2	na	1148	2200
16	na	47	68	89	36	7-7/8	3	na	1600	2770
18	na	54	85	109	42	9-1/8	3	na	2250	4370
20	na	62	99	126	48	9-1/8	3	na	2830	5600
22	na	64	102	130	48	10-1/4	3	na	3060	5950
24	na	70	109	140	54	10-1/4	4	na	4280	7850

## CONSTRUCTION

Anderson Type TL Separators are constructed to comply with ASME Pressure Vessel Code Section 8 and National Board specifications. Separators are manufactured from carbon steel and exterior surfaces are prime coated.

## OPERATING PRESSURES

150 Lb. Flanged: 200 PSIG @ 300°F.  
300 Lb. Flanged: 500 PSIG @ 650°F.



CERTIFIED FOR DIMENSIONS \_\_\_\_\_

# ANDERSON™ SEPARATOR COMPANY

A Division Of The Clark•Reliance Corporation

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Control Specialties

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A.S.M.E. CODE STAMPS

