

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.

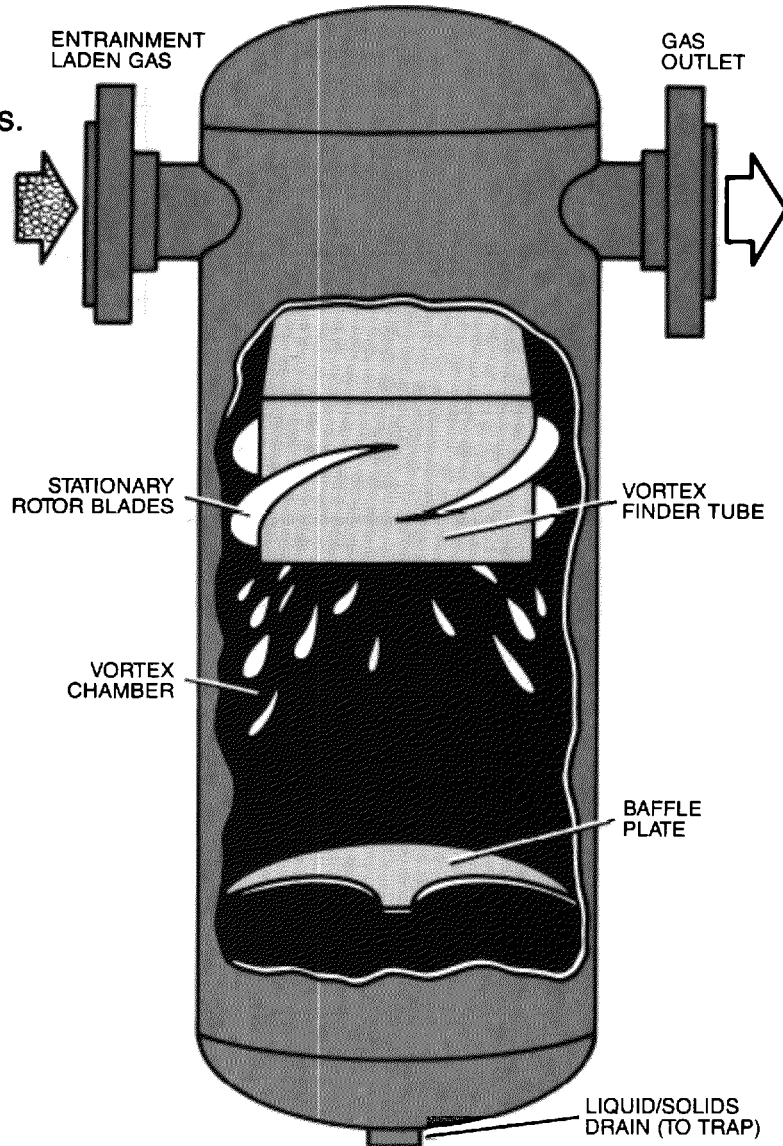
TYPE TL APPLICATIONS

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

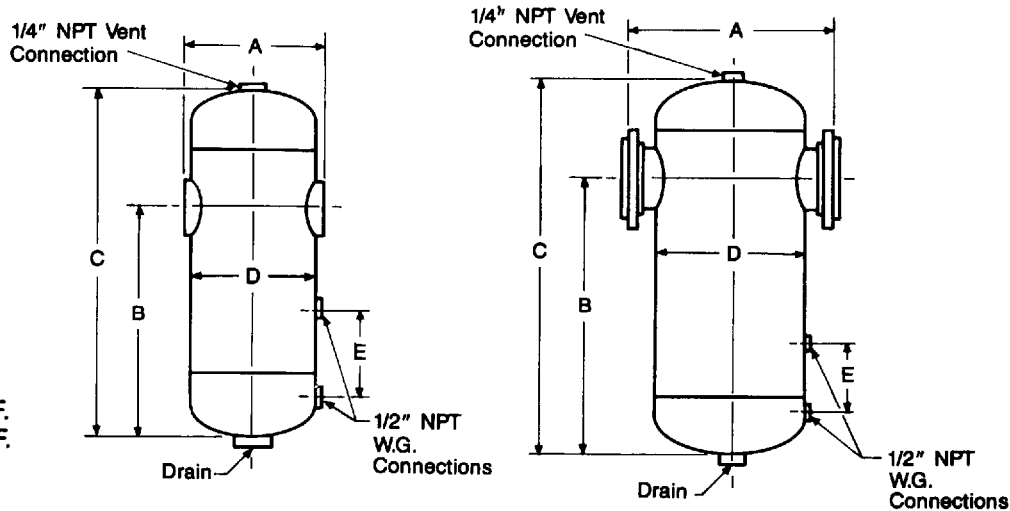
| PIPE SIZE (IN.) | DIMENSIONS (INCHES) | | | | | | NPT DRAIN (IN.) | WEIGHTS (LBS) | | |
|-----------------|---------------------|-----------|--------|--------|--------|--------|-----------------|---------------|-----------------|-----------------|
| | THREADED A | FLANGED A | B | C | D | E | | THR'D. | 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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