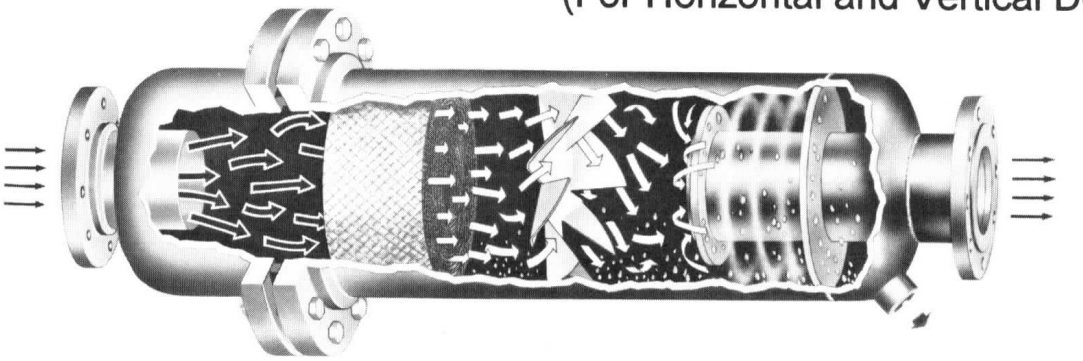
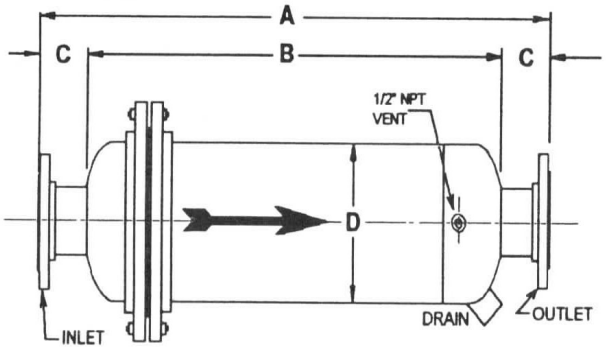
WRIGHT-AUSTIN TYPE 31L-CLC COALESCER/SEPARATOR

(For Horizontal and Vertical Down Flow Installations)





APPLICATION

The Wright-Austin coalescer/separator, when properly installed and drained, removes 99% of all liquid and solid entrainment where droplet size exceeds four microns. The separation efficiency of the type 31L-CLC far exceeds that of any other centrifugal, cyclone, tuyere, or vane type separator that is ineffective below 8 microns. For separator sizing and determining actual pressure drop, refer to bulletin TB-546.

Certified for dimensions

OPERATION

The Wright-Austin coalescer/separator operates in two stages. In stage one, the coalescer stage, entrained liquid droplets enter a wire mesh pad and the droplets grow in size (coalesce) as they travel through the mesh pad. Droplets that were 4 microns and larger entering the mesh pad exit stage one and enter stage two as droplets 10 microns and larger. In stage two, the separation stage, curved stationary blades put the gas stream in to a controlled centrifugal flow. This action forces the entrained liquids and solids to the outer wall resulting in gas/liquid separation. The separated droplets and particles collect at the bottom of the vessel and drain out. Our exclusive "VCP" system guarantees no re-entrainment, assuring a dry gas stream at separator outlet.

Effective September 1, 1993

Design Pressure 150 PSI @ 450°F / Dimensions & Weights						
Size Inches	A Inches	B Inches	C Inches	D Inches	Drain Inches	Weight Pounds
2-1/2	34	28	3	6-5/8	1	125
3	36	30	3	8-5/8	1-1/2	180
4	42	34	4	10-3/4	1-1/2	280
5	46	38	4	12-3/4	1-1/2	390
6	48	40	4	14	1-1/2	510
8	58	48	5	16	2	665
10	64	54	5	20	2	1060
12	72	62	5	24	2-1/2	1415
14	78	68	5	28	2-1/2	1830
16	86	76	5	30	3	2130

Dimensions for larger sizes, higher pressures and temperatures are available upon requests that are complete with application data.

VESSEL DESIGN

Wright-Austin Company builds the standard 31L-CLC coalescer/separator in carbon steel with type 304L stainless steel internal separating elements. All Wright-Austin Company vessels meet ASME Code, Section VIII, Division I. ASME "UM" or "U" stamp is available. Vessel body flanges provide access to the coalescing section of the vessel so that the coalescing pad can be removed for inspection, cleaning, or replacement.