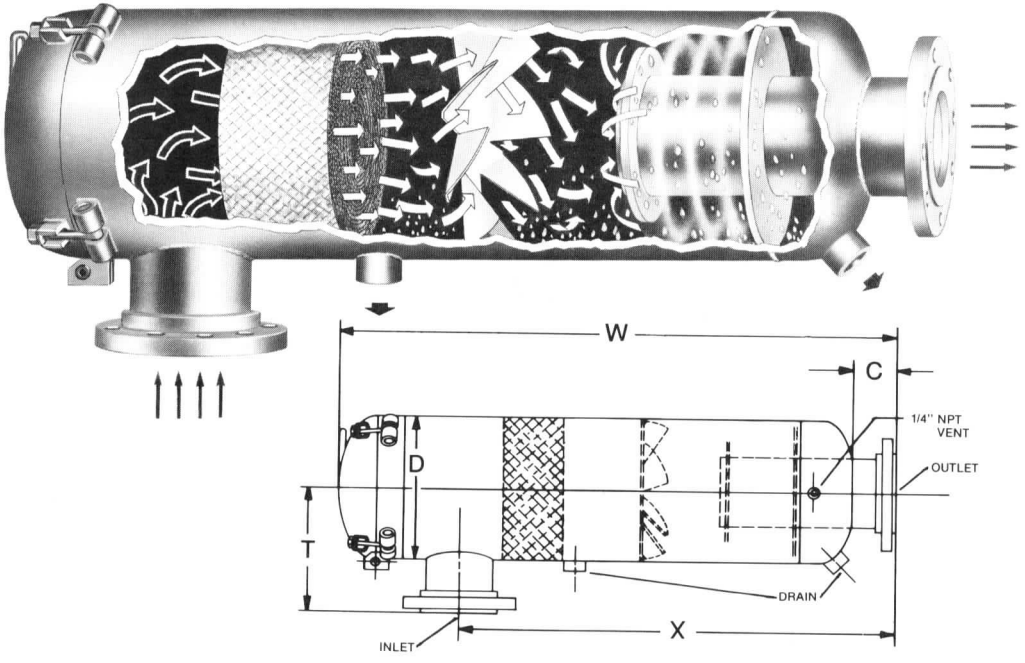
TYPE 36L-CLC COALESCER/SEPARATOR

DESIGN PRESSURE 150 PSI AT 450°F



DIMENSIONS

Size	C	D	T	W	X	Drain NPT	Wt. # (Est.)
2 1/2"	3"	6 5/8"	7"	37"	30"	1"	130
3"	3"	8 5/8"	8"	41"	33"	1 1/2"	165
4"	4"	10 3/4"	10"	44"	36"	1 1/2"	295
5"	4"	12 3/4"	11"	51"	41"	1 1/2"	420
6"	4"	14"	12"	54"	42"	1 1/2"	475
8"	5"	16"	13"	66"	53"	2"	525
10"	5"	20"	15"	77"	60"	2"	590
12"	5"	24"	17"	88"	70"	2 1/2"	1125
14"	5"	28"	19"	96"	77"	2 1/2"	1475
16"	5"	30"	20"	101"	80"	3"	1925

Dimensions for larger sizes, higher design pressures and temperatures upon request.

PERFORMANCE

The Wright-Austin coalescer/separator when properly installed and drained, will remove 99% of all liquid and solid entrainment where particle size exceeds four microns.

VESSEL DESIGN

The coalescer/separator are welded steel construction in accordance with the ASME Code, Section VIII, Division I, available with stamp.

APPLICATIONS

On the section side of gas compressors, on fuel gas lines to engines, power plants and industrial plants. On any application where liquid entrainment is in an aersol form of 4 micron and larger.

FEATURES

The coalescing section is easily accessible through a quick opening closure. This pad can be easily removed for inspection, cleaning or replacement. The inlet connection can be rotated radially, if required.

SEPARATOR SIZING

For complete sizing and determining actual pressure drop, refer to bulletin TB-546, using example and method shown on the bulletin.

GENERAL DESCRIPTION

The Wright-Austin coalescer/separator is designed for very high efficient removal of liquids and solids from a gas stream. This unit will remove smaller droplets of a liquid than can effectively be removed by a centrifugal separator alone.

OPERATION

The operation of a Wright-Austin coalescer/separator can be divided into two stages. In the first stage or coalescer stage, the smaller liquid droplets enter a wire mesh pad in the vessel. As these small droplets travel through the mesh pad they grow in size. These larger liquid droplets then leave the mesh pad and enter the second stage or separation stage. In this stage the larger water droplets are centrifugally thrown to the outside wall, where they collect at the bottom of the vessel and drain out. By the use of our (VCP) Vortex Containment Plate, these droplets are prevented from being re-entrained after separation.

CERTIFIED FOR DIMENSIONS

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Effective September 1, 1993 Litho in U.S.A.