

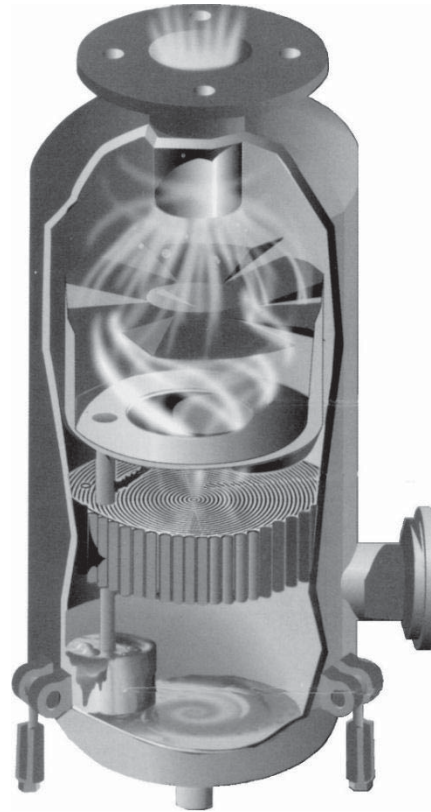
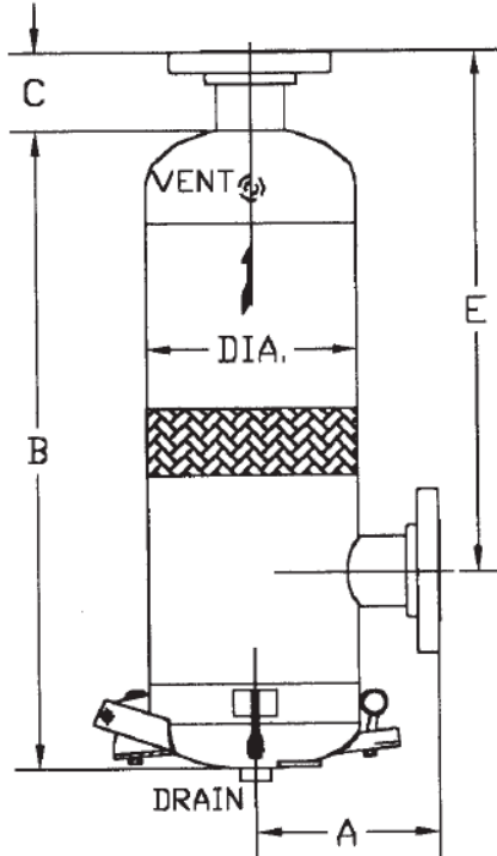
TYPE 35L-CLC/L5C GAS-LIQUID SEPARATORS

Fully welded pressure vessel fabricated to ASME Code Section VIII Division 1 with stamp, has no serviceable/moving components, requires zero maintenance. This is a two-stage design with the 1st stage coalescing droplets larger than 5 microns in diameter into droplets larger than 10 microns in diameter with a coarse mesh pad. The 2nd stage is per the standard design where the combination of indirect pathway, inertia and gravity separate droplets larger than 10 microns in diameter with 99% efficiency. This separator design is more costly than a standard 35L/L5 design due to the flanged body, a requirement in case the mesh pad requires cleaning or replacement.

Separates entrained droplets and particles larger than 5 microns in diameter with 99% efficiency. Maximum separation rate is equivalent to 20% of its maximum rated mass flow capacity and will separate slugs of liquid.

The separator size required is based upon the required vessel length and diameter and not necessarily the corresponding inlet and outlet pipeline size; thus, we size the nozzle to match the pipeline for which it is installed into.

Typically manufactured from pipe, they can be fabricated from rolled plate; standard materials include carbon steel, 304L SS and 316L SS although they can be fabricated in other alloys when required. Customizations include support legs, additional ports and non-flanged connections.



DIMENSIONS (INCHES)						WEIGHT (LBS)	
NOZZLE SIZE	A	B	C	DIA.	E	DRAIN	150# FLANGED
						NPT	DESIGN 150 PSIG @ 450°F
3/4	5 1/4	25	2 1/2	4 1/2	23	1/2	90
2 1/2	8	30	3	8 5/8	24	1	145
3	9	34	3	10 3/4	28	1	195
4	11	39	4	14	31	1 1/2	305
5	12	45	4	16	35	1 1/2	435
6	13	50	4	18	39	1 1/2	530
8	15	56	5	20	45	2	665
10	17	67	5	24	53	2	975
12	19	76	5	30	61	2 1/2	1390
14	23	86	5	36	67	2 1/2	1920
16	25	98	5	40	77	3	2645