



**CIRCLE  
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PRODUCTS, INC.**

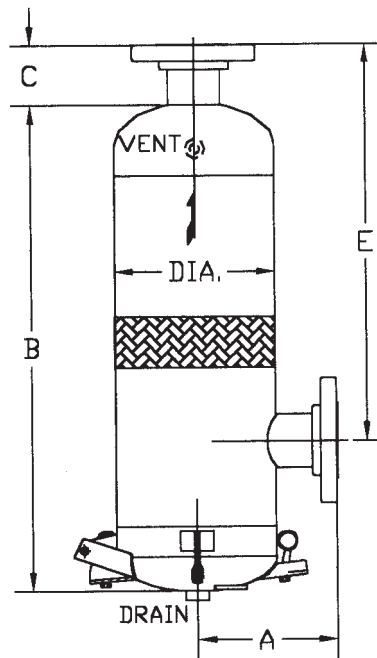
# TECHNICAL BULLETIN

**TYPE:** Horizontal In / Vertical Upflow installations only  
**MODEL:** Dry-Flo™ L5C Coalescer-Separator  
 TB No. S3550 Date 1-99

The Model "L5C" Coalescer-Separators are designed for horizontal inlet and vertical up flow installations. These separators use a two stage separation process. Stage one utilizes a wire mesh pad that increases the size of the droplets as they travel through the pad. In stage two a stainless steel Separating Tuyere Diffuser causes the stream to enter a controlled centrifugal flow. Due to the centrifugal motion, entrained liquids and solids are directed to the outer walls of the separator. Re-entrainment breaker plates create a quiet inert zone to prevent liquid from reentering the flow stream once separation has taken place.

With correct sizing and proper drainage, these separators are designed to eliminate 99% of all entrained liquids and particles that are 5 microns and larger in size.

Model "L5C" Coalescer-Separators can be fabricated from carbon steel or stainless steel and are manufactured in accordance with ASME Code Section VIII Division I. As a standard, these separators come with the ASME Code "U" Stamp.



**DESIGN PRESSURE 150 PSI @ 450° F / DIMENSIONS AND WEIGHTS**

PIPE SIZE	A	B	C	DIA.	E	NPT DRAIN	WEIGHT lbs.
						STD	
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

DIMENSIONS CAN BE SLIGHTLY DIFFERENT AT HIGHER PRESSURES AND TEMPERATURES AND ARE AVAILABLE UPON REQUEST.