



**CIRCLE  
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PRODUCTS, INC.**

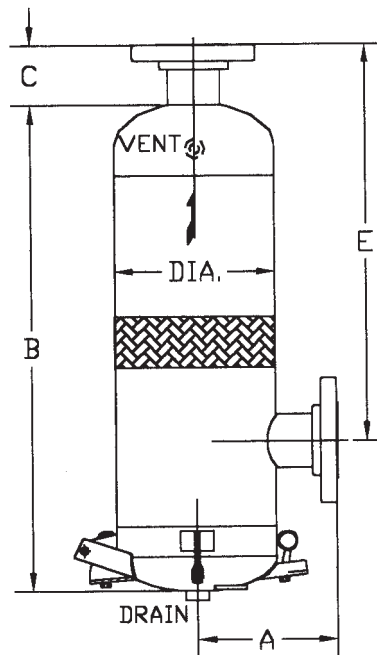
# TECHNICAL BULLETIN

**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 re-entering 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 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.

**PHONE 734-675-2960**

**FAX 734-675-6577**

**www.dryflo.com**