



**CIRCLE**  
  
**PRODUCTS, INC.**

# TECHNICAL BULLETIN

**TYPE:** Horizontal In / Vertical Upflow installations

**MODEL:** Dry-Flo™ L5 Moisture Separator

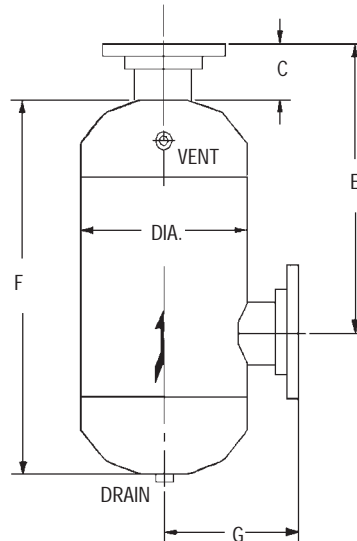
TB No. S3500

Date 1-99

Model "L5" Separators are designed for horizontal inlet and a vertical upflow installation only. The 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 10 microns and larger in size.

The Model "L5" Separators can be fabricated from carbon steel or stainless steel and are manufactured in accordance with the ASME Code Section VIII, Division I.



### DIMENSIONS AND WEIGHTS

| PIPE SIZE | C      | DIA.    | E   | F    | G   | NPT<br>DRAIN | 150#<br>FLANGED                | 300#<br>FLANGED                |
|-----------|--------|---------|-----|------|-----|--------------|--------------------------------|--------------------------------|
|           |        |         |     |      |     |              | DESIGN<br>150 PSIG<br>@ 450° F | DESIGN<br>500 PSIG<br>@ 650° F |
|           |        |         |     |      |     |              | WEIGHT                         | WEIGHT                         |
| 1 1/2"    | 2 1/2" | 6 5/8"  | 15" | 19"  | 6"  | 1"           | 60                             | 66                             |
| 2"        | 3"     | 8 5/8"  | 16" | 20"  | 8"  | 1"           | 73                             | 77                             |
| 2 1/2"    | 3"     | 8 5/8"  | 16" | 20"  | 8"  | 1"           | 97                             | 103                            |
| 3"        | 3"     | 10 3/4" | 21" | 26"  | 9"  | 1"           | 147                            | 157                            |
| 4"        | 4"     | 14"     | 23" | 28"  | 11" | 1 1/2"       | 198                            | 216                            |
| 5"        | 4"     | 16"     | 27" | 33"  | 12" | 1 1/2"       | 287                            | 334                            |
| 6"        | 4"     | 18"     | 30" | 37"  | 13" | 1 1/2"       | 350                            | 480                            |
| 8"        | 5"     | 20"     | 37" | 45"  | 15" | 2"           | 524                            | 652                            |
| 10"       | 5"     | 24"     | 44" | 54"  | 17" | 2"           | 746                            | 1050                           |
| 12"       | 5"     | 30"     | 52" | 66"  | 20" | 2 1/2"       | 1063                           | 1568                           |
| 14"       | 5"     | 36"     | 58" | 73"  | 23" | 2 1/2"       | 1418                           | 2320                           |
| 16"       | 5"     | 40"     | 68" | 85"  | 25" | 3"           | 1972                           | 3290                           |
| 18"       | 6"     | 42"     | 72" | 90"  | 27" | 3"           | 2353                           |                                |
| 20"       | 6"     | 48"     | 78" | 97"  | 30" | 4" *         | 2547                           |                                |
| 22"       | 6"     | 48"     | 84" | 105" | 30" | 4" *         | 3196                           |                                |
| 24"       | 6"     | 54"     | 90" | 113" | 33" | 4" *         | 3730                           |                                |

\* Flanged Drain