



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

# TECHNICAL BULLETIN

**TYPE:** Vertical Up / Horizontal outflow installations

**MODEL:** Dry-Flo™ L7 Moisture Separator

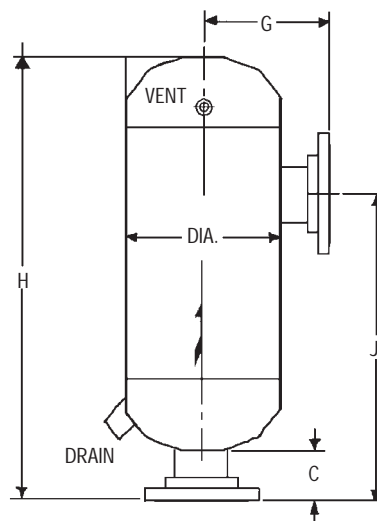
TB No. S3700

Date 1-99

Model "L7" Separators are designed for vertical up inlet and a horizontal outlet flow 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 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 10 microns and larger in size.

The Model "L7" 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.	G	H	J	NPT DRAIN	150# FLANGED	300# FLANGED
							DESIGN 150 PSIG @ 450° F	DESIGN 500 PSIG @ 650° F
							WEIGHT	WEIGHT
1 1/2"	2 1/2"	6 5/8"	6"	25"	18"	1"	70	85
2"	3"	8 5/8"	8"	27"	20"	1"	85	135
2 1/2"	3"	8 5/8"	8"	27"	20"	1"	100	140
3"	3"	10 3/4"	9"	31"	22"	1"	140	190
4"	4"	14"	11"	38"	28"	1 1/2"	210	395
5"	4"	16"	12"	43"	32"	1 1/2"	245	540
6"	4"	18"	13"	46"	34"	1 1/2"	315	650
8"	5"	20"	15"	59"	45"	2"	360	875
10"	5"	24"	17"	67"	51"	2"	700	1200
12"	5"	30"	20"	78"	60"	2 1/2"	980	1690
14"	5"	36"	23"	87"	67"	2 1/2"	1460	2250
16"	5"	40"	25"	96"	75"	3"	1640	3650
18"	6"	42"	27"	105"	81"	3"	2065	4590
20"	6"	48"	30"	113"	88"	4" *	2370	5275
22"	6"	48"	30"	126"	99"	4" *	3575	7950
24"	6"	54"	33"	138"	109"	4" *	3860	8500

\* Flanged Drain