



CIRCLE

PRODUCTS, INC.

TECHNICAL BULLETIN

TYPE: Vertical down / Horizontal out flow installations

MODEL: Dry-Flo™ L3 Moisture Separator

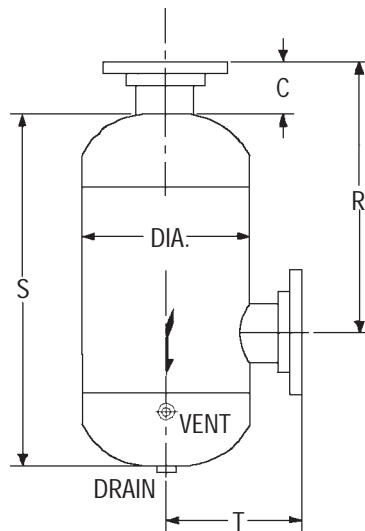
TB No. S3300

Date 1-99

Model "L3" Separators are designed for vertical down and a horizontal out 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 "L3" 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.	R	S	T	NPT DRAIN	150# FLANGED	300# FLANGED
							DESIGN 150 PSIG @ 450° F	DESIGN 500 PSIG @ 650° F
							WEIGHT	WEIGHT
1 1/2"	2 1/2"	5 9/16"	12 1/2"	16"	5 1/2"	1"	41	47
2"	3"	6 5/8"	14"	18"	7"	1"	50	55
2 1/2"	3"	6 5/8"	14"	18"	7"	1"	57	64
3"	3"	8 5/8"	16"	21"	8"	1"	84	97
4"	4"	10 3/4"	20"	25"	10"	1 1/2"	134	162
5"	4"	12 3/4"	24"	30"	11"	1 1/2"	198	234
6"	4"	14"	27"	34"	12"	1 1/2"	232	290
8"	5"	16"	33"	41"	13"	2"	380	450
10"	5"	20"	40"	50"	15"	2"	478	781
12"	5"	24"	46"	58"	17"	2 1/2"	660	1141
14"	5"	28"	52"	65"	19"	2 1/2"	973	1571
16"	5"	30"	59"	74"	20"	3"	1087	2525
18"	6"	36"	68"	85"	24"	3"	1392	2711
20"	6"	36"	74"	92"	24"	4" *	1600	4547
22"	6"	42"	81"	101"	27"	4" *	2410	4856
24"	6"	42"	81"	108"	27"	4" *	2782	5777

* Flanged Drain