



**CIRCLE
S
PRODUCTS, INC.**

TECHNICAL BULLETIN

TYPE: Horizontal or Vertical downflow installations

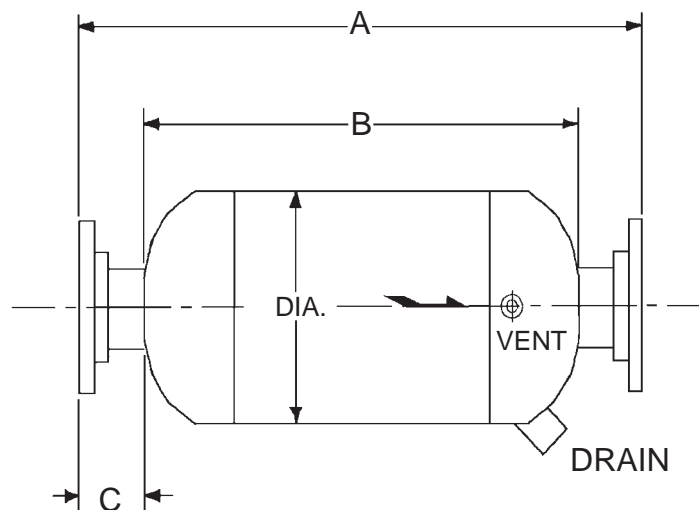
MODEL: Dry-Flo™ L1 Moisture Separator
TB No. S3100

Date 1-99

Model "L1" Separators are designed for horizontal or vertical downflow installations. 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 "L1" Separators can be fabricated from carbon steel or stainless steel and are manufactured in accordance with ASME Code Section VIII, Division 1.



DIMENSIONS AND WEIGHTS

PIPE SIZE	A	B	C	DIA.	NPT DRAIN	150# FLANGED	300# FLANGED
						DESIGN 150 PSIG @ 450° F	DESIGN 500 PSIG @ 650° F
					STD	WEIGHT	WEIGHT
1 1/2"	20"	15"	2 1/2"	5 9/16"	1"	40	45
2"	22"	16"	3"	6 5/8"	1"	50	55
2 1/2"	22"	16"	3"	6 5/8"	1"	55	60
3"	24"	18"	3"	8 5/8"	1"	80	90
4"	30"	22"	4"	10 3/4"	1 1/2"	130	155
5"	34"	26"	4"	12 3/4"	1 1/2"	185	215
6"	36"	28"	4"	14"	1 1/2"	220	270
8"	46"	36"	5"	16"	2"	350	425
10"	52"	42"	5"	20"	2"	455	735
12"	60"	50"	5"	24"	2 1/2"	630	1090
14"	66"	56"	5"	28"	2 1/2"	940	1500
16"	74"	64"	5"	30"	3"	1030	2400
18"	80"	68"	6"	36"	3"	1325	2600
20"	86"	74"	6"	36"	4" *	1530	4350
22"	96"	84"	6"	42"	4" *	2310	4650
24"	106"	94"	6"	42"	4" *	2650	5525

* Flanged Drain