



LDFD Series Diffusers

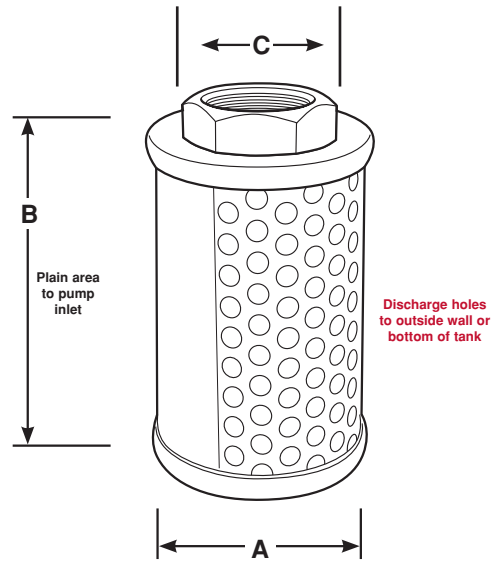
Designed for ease of servicing.

Specifications:

- Aluminum Nut / Zinc plated steel body
- Operating temperature range -13° F to 212° F (-25° C to 100° C)
- Up to 3" NPT port threads
- Flows to 450 GPM (1741 LPM)
- Maximum working pressure 300 P.S.I. (20 Bar)
- Pressure drop at rated flows .5 P.S.I. (.035 Bar)
- Rated flow at 17 F.P.S.

Dimensional Details

MODEL NUMBER	NPT PORT	FLOW		A	B	HEX C
LDFD-10	1/2"	10	IN	1.65	4.09	1.18
		38	MM	42	104	30
LDFD-30	3/4"	33	IN	2.36	5.00	1.38
		125	MM	60	127	35
LDFD-60	1"	53	IN	2.36	6.26	1.81
		201	MM	60	159	46
LDFD-90	1 1/4"	93	IN	3.23	6.26	2.01
		352	MM	82	159	51
LDFD-120	1 1/2"	126	IN	3.23	8.27	2.36
		477	MM	82	210	60
LDFD-200	2"	209	IN	3.23	12.24	2.76
		791	MM	82	311	70
LDFD-250	2 1/2"	300	IN	5.71	8.31	3.54
		1136	MM	145	211	90
LDFD-300	3"	460	IN	5.71	10.71	3.94
		1741	MM	145	272	100



Operation

The LDFD series diffuser consists of two concentric steel tubes each with rows of discharge holes positioned over 120 degrees of their circumference arranged on opposite sides. The inner tube has fewer holes than the outer; to allow for oil velocity to be reduced in two stages as it passes from the inner tube to the outer tube and eventually into the reservoir. The LDFD series diffusers should be installed with the discharge area on the outside tube facing the tank wall or bottom.

Benefits

Designed to effectively reduce fluid aeration, foaming, turbulence, and noise caused by return lines. Pump life is also extended by reducing cavitation to the pump inlet.

