

All Stainless Steel Internals  
Ductile Iron Body  
High Capacity

## Series WLDE Float Type Drainer

### Applications

Series WLDE Float Type Drainers provide immediate and continuous discharge of large amounts of Liquids. These Drainers meet capacity drainage needs required for Draining liquids from air or other gases in process applications. Designed for heavy industrial applications.

### Features

- Ductile Iron Body & Cover
- Parallel or in-line piping available
- All Stainless Steel internals - for long service life
- High Capacity liquid removal
- In-line repairable
- Rugged Construction designed for heavy industrial applications

### How It Works

This is a modulating-type drainer with the main valve actuated by a float. The amount of liquid flowing to the trap is sensed by the float which, in turn, positions the main valve to discharge liquid at the same rate as it is received.

The lever or stem is guided in each series to assure proper valve seating and protection against any horizontal movement from the liquid turbulence.



LIQUID DRAIN  
TRAPS

Watson McDaniel reserves the right to change the designs and/or materials of its products without notice



## WATSON McDANIEL COMPANY

975 Madison Ave. Valley Forge Corporate Center Norristown, PA 19403  
[www.watsonmcdaniel.com](http://www.watsonmcdaniel.com) 610 666-5711 Fax 610 666-0404

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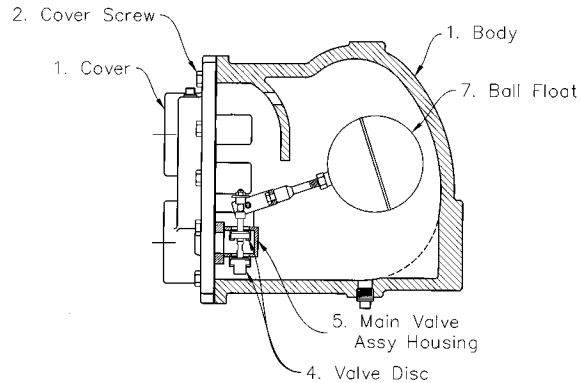


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# Series WLDE Float Type Drainer Specifications

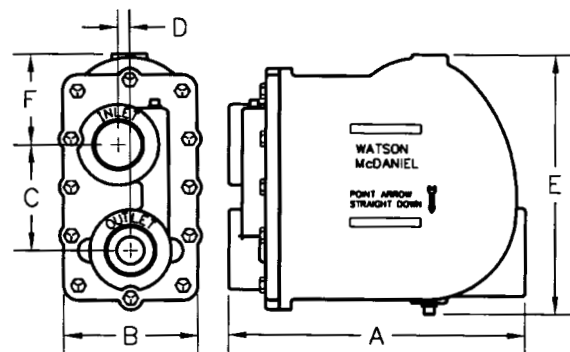
## Materials

- 1) Body & Cover..... Ductile Iron
- 2) Cover Screw..... Grade 5 Carbon Steel
- 3) Cover Gasket..... Garlock
- 4) Valve Discs..... 303 S.S.
- 5) Main Valve Assy. Housing..... 304 S.S.
- 6) Valve Assy. Gasket..... Garlock
- 7) Ball Float..... 304 S.S.
- 8) Other Components..... S.S.



## Dimensions & Weights - Inches/Millimeters

Size Dim.	2" WLDE-20	2" WLDE-50	2 1/2" WLDE-50	2 1/2" WLDE-125	1 1/2" WLDE-200	2" WLDE-200	2 1/2" WLDE-200
A	12.6/320	16/406	15.5/394	15.5/394	9.6/244	12.6/320	15.5/394
B	5.7/145	8.4/213	8.4/213	8.4/213	4.3/109	5.7/145	8.4/213
C	4.5/114	7.3/185	7.3/185	7.3/185	3.0/76	4.5/114	7.3/185
D	.5/13	1.4/36	1.4/36	1.4/36	0.7/18	0.5/13	1.4/36
E	11.1/282	15.6/396	15.6/396	15.6/396	8.8/224	11.1/282	15.6/396
F	3.9/99	3.6/91	3.6/91	3.6/91	2.6/66	3.9/99	3.6/91
WT.	44/20	91/41	91/41	92/41	23/6	50/23	92/41



## Capacity - in lbs/hr Cold Water

Differential Pressure psig	Size Model Orifice	2" WLDE-20	2" WLDE-50	2 1/2" WLDE-50	2 1/2" WLDE-125	1 1/2" WLDE-200	2" WLDE-200	2 1/2" WLDE-200
		.937	2.125	2.125	2.125	.375	.75	1.5
1/4		3929	12248	19520	19520	1051	3403	11111
1/2		5556	18153	27605	27605	1486	4813	15713
1		7858	25312	39039	39039	2102	6807	22222
2		11113	37751	55209	55209	2973	9626	31427
5		17571	62218	87294	87294	4700	15220	49690
10		24849	90068	123452	123452	6647	21525	70273
15		30433	106565	151197	151197	8141	26363	86066
20		35141	123365	174588	174588	9401	30441	99381
30			141956	213825	213825	11514	37282	121716
40			161302	246904	246904	13295	43050	140546
50			176522	276047	276047	14864	48131	157135
75						338088	18205	58949
100						390390	21021	68068
125						436469	23502	76102
150							25745	83366
175							27808	90046
200							29728	96263

For Kg/hr multiple the lbs/hr flow by .454  
 For pressure differential in barg divide psig by 14.504

## Operating Conditions

- Max. Operating Pressure (PMO)**  
 WLDE-20.....20 psig / 1.38 barg  
 WLDE-50.....50 psig / 3.45 barg  
 WLDE-125.....125 psig / 8.62 barg  
 WLDE-200.....200 psig / 13.79 barg

## Pressure Shell Design Limits

- All Models*  
**Max Temperature (TMA)** 650° F to 250 psi  
**Max Pressure (PMA)** 250 psig to 650 ° F

- Max Temperature (TMA)** 343° C to 17.2 barg  
**Max Pressure (PMA)** 17.2 barg to 343 ° C