

Model	WLDE	WLDES
Sizes	1½", 2", 2½"	2½"
Connections	NPT	NPT, SW, Flanged
Body Material	Ductile Iron	Cast Steel
PMO Max. Operating Pressure	200 PSIG	300 PSIG
TMO Max. Operating Temperature	450°F	450°F
PMA Max. Allowable Pressure	300 PSIG up to 450°F	300 PSIG up to 750°F
TMA Max. Allowable Temperature	450°F @ 300 PSIG	750°F @ 300 PSIG



### Typical Applications

The **WLDE/WLDES Series** high-capacity condensate drainers meet the flow requirements that are typically found in heavy industrial process applications for air and other gases.

### How It Works

The WLDE/WLDES Series liquid drainers contain a float-operated valve. When liquid enters the drainer, the float rises opening the valve which allows liquid to be drained.

### Features

- Ductile Iron or Cast Steel body and cover
- All stainless steel internals for long service life
- High capacity liquid removal
- Rugged construction design for heavy industrial use
- In-line repairable

### Sample Specification

The liquid drain trap shall be float operated with a ductile iron or cast steel body and all stainless steel internals. The unit shall be in-line repairable and equipped with a FNPT threaded connection for the use of a balance line.

### Installation

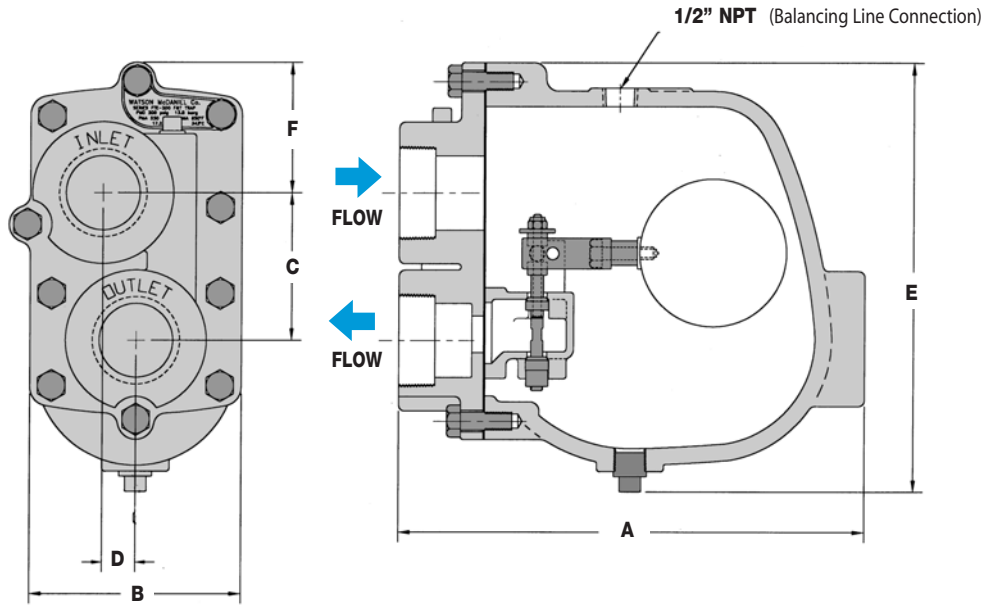
The installation should include isolation valves to facilitate maintenance and an in-line strainer. The trap must be level and upright for the float mechanism to operate. Trap must be adequately sized and properly located in the system. Installation may require an equalizing or balancing line connected from top of drainer body to the above piping, for proper drainage.

### Maintenance

All working components can be replaced with the drain trap remaining in the pipeline. Repair kits include float, valve seat & disc and gaskets. For full maintenance details see Installation and Maintenance Manual.

### MATERIALS

Body & Cover	<b>WLDE</b> - Ductile Iron <b>WLDES</b> - Cast Steel
Cover Screw	Carbon Steel, Gr 5
Cover Gasket	Garlock
Valve Discs	Stainless Steel, AISI 303
Main Valve Assembly Housing	Stainless Steel, AISI 304
Valve Assembly Gasket	Garlock
Ball Float	Stainless Steel, AISI 304
All other components	Stainless Steel



DIMENSIONS & WEIGHTS – inches									
Model	PMO (PSIG)	Pipe Size	A	B	C	D	E	F	Weight (lbs)
WLDE	200	1 1/2"	9 1/8	4 5/16	3	11/16	8 13/16	2 1/8	24
WLDE	20	2"	12 1/8	5 11/16	4 1/2	1/2	11 1/8	3 15/16	61
WLDE	200	2"							
WLDE	50	2"	16	8 7/16	7 5/16	17/16	15 1/8	3 1/8	150
WLDE	50	2 1/2"	15 1/2	8 7/16	7 5/16	17/16	15 1/8	3 1/8	150
WLDE	125	2 1/2"							
WLDE	200	2 1/2"							
WLDES	300*	2 1/2"							

\* Note: All WLDES models have same dimensions.

**How to Size / Order**

Determine the capacity (lbs/hr) required at the specified differential pressure. Locate differential pressure on capacity chart; move down column to capacity required. Make sure to select the correct model based on the maximum inlet pressure.

Example:

Required to drain 80,000 lbs/hr at a differential pressure of 5 PSI. The maximum inlet pressure is 100 PSIG.

Select Model: **WLDE-125-18-N**, 2 1/2", capacity up to 87,294 lbs/hr based on 5 PSI differential pressure. PMO = 125 PSI

Capacity in lbs/hr is based on differential pressure across the drainer. Select a model with an equal or higher PMO (max. operating pressure) than the maximum inlet pressure to the drainer. If the pressure to the drainer exceeds the PMO, the drainer may not open. If discharging to atmosphere, the differential pressure is equal to the inlet pressure.

**CAPACITIES – Cold Water (lbs/hr)**

Model Code / PMO (PSIG)	Pipe Size	Orifice Size	Differential Pressure (PSI)															
			1/4	1/2	1	2	5	10	20	40	50	75	100	125	200	300		
WLDE-20-17-N	2"	.937"	3929	5556	7858	11113	17571	24849	35141									
WLDE-50-17-N	2"	2.125"	12248	18153	25312	37751	62218	90068	123365	161302	176522							
WLDE-50-18-N	2 1/2"	2.125"	19520	27605	39039	55209	87294	123452	174588	246904	276047							
<b>WLDE-125-18-N</b>	2 1/2"	2.125"	19520	27605	39039	55209	<b>87294</b>	123452	174588	246904	276047	338088	390390	436469				
WLDE-200-16-N	1 1/2"	.375"	1051	1486	2102	2973	4700	6647	9401	13295	14864	18205	21021	23502	29728			
WLDE-200-17-N	2"	.75"	3403	4813	6807	9626	15220	21525	30441	43050	48131	58949	68068	76102	96263			
WLDE-200-18-N	2 1/2"	1.5"	11100	15713	22200	31427	49690	70273	99381	140546	157135	192450	222200	248452	314269			
WLDES-50-18-N	2 1/2"	2.125"	19520	27605	39039	55209	87294	123452	174588	246904	276047							
WLDES-125-18-N	2 1/2"	2.125"	19520	27605	39039	55209	87294	123452	174588	246904	276047	338088	390390	436469				
WLDES-200-18-N	2 1/2"	1.5"	11100	15713	22200	31427	49690	70273	99381	140546	157135	192450	222200	248452	314269			
WLDES-300-18-N	2 1/2"	1.5"	11100	15713	22200	31427	49690	70273	99381	140546	157135	192450	222200	248452	314269	427024		

LIQUID DRAINERS