

LIQUID DRAINERS

WLDE Series

Float Type Liquid Drain Trap

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

Note: Also available in Carbon Steel (WLDES). Contact Factory.



TYPICAL APPLICATION

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

HOW IT WORKS

This liquid drainer has a float-operated valve that gives the trap a modulating flow characteristic. The amount of liquid flowing into the drainer is sensed by the float which positions the main valve to discharge the liquid at the same rate as it is received.

FEATURES

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

SAMPLE SPECIFICATION

The liquid drain trap shall be float operated with a ductile iron 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. The 2" and 2-1/2" traps should not be supported by the piping alone. Trap must be sized and properly located in the system. Piping hook-up must include an equalizing line.

MAINTENANCE

Close isolation valves prior to any maintenance. All working components can be replaced with the drain trap remaining in the line. Repair kits include float, valve seat and disc and gaskets. For full maintenance details see Installation and Maintenance Manual.

MATERIALS

| | |
|-----------------------------|---------------------------|
| Body & Cover | Ductile Iron |
| 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 |

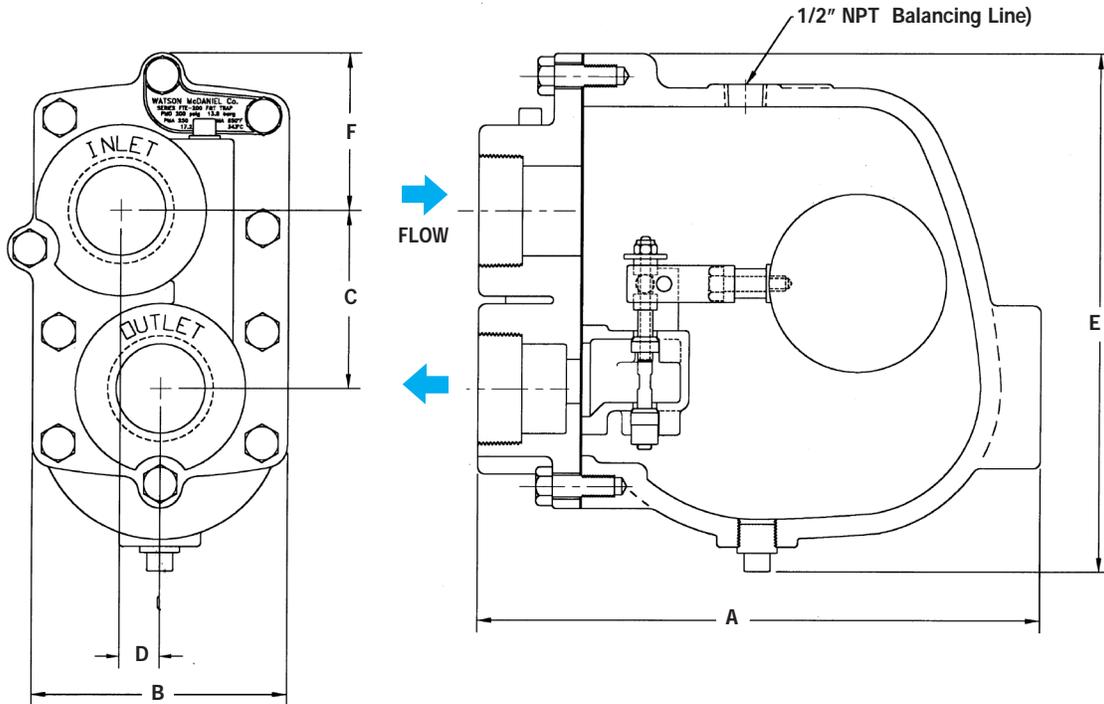
HOW TO ORDER

Refer to the capacity chart to determine which model is required to satisfy the condensate load.

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DIMENSIONS – inches/pounds

| Model | Size | A | B | C | D | E | F | Weight |
|----------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|--------|
| WLDE-20 | 2" | 12 ¹ / ₈ | 5 ¹¹ / ₁₆ | 4 ¹ / ₂ | 1/2 | 11 ¹ / ₈ | 3 ¹⁵ / ₁₆ | 44 |
| WLDE-50 | 2" | 16 | 8 ⁷ / ₁₆ | 7 ⁵ / ₁₆ | 1 ⁷ / ₁₆ | 15 ¹ / ₈ | 3 ¹ / ₈ | 91 |
| WLDE-50 | 2 ¹ / ₂ " | 15 ¹ / ₂ | 8 ⁷ / ₁₆ | 7 ⁵ / ₁₆ | 1 ⁷ / ₁₆ | 15 ¹ / ₈ | 3 ¹ / ₈ | 91 |
| WLDE-125 | 2 ¹ / ₂ " | 15 ¹ / ₂ | 8 ⁷ / ₁₆ | 7 ⁵ / ₁₆ | 1 ⁷ / ₁₆ | 15 ¹ / ₈ | 3 ¹ / ₈ | 92 |
| WLDE-200 | 1 ¹ / ₂ " | 9 ¹ / ₈ | 4 ⁵ / ₁₆ | 3 | 11/16 | 8 ¹³ / ₁₆ | 2 ¹ / ₈ | 23 |
| WLDE-200 | 2" | 12 ¹ / ₈ | 5 ¹¹ / ₁₆ | 4 ¹ / ₂ | 1/2 | 11 ¹ / ₈ | 3 ¹⁵ / ₁₆ | 50 |
| WLDE-200 | 2 ¹ / ₂ " | 15 ¹ / ₂ | 8-7/16 | 7 ⁵ / ₁₆ | 1 ⁷ / ₁₆ | 15 ¹ / ₈ | 3 ¹ / ₈ | 92 |

COLD WATER CAPACITIES – (lbs/hr)

| Model | Size | Orifice | Differential Pressure (PSI) | | | | | | | | | | | | | | |
|----------|---------------------------------|---------|-----------------------------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | 1/4 | 1/2 | 1 | 2 | 5 | 10 | 15 | 20 | 40 | 50 | 75 | 100 | 125 | 150 | 200 |
| WLDE-20 | 2" | .937" | 3929 | 5556 | 7858 | 11113 | 17571 | 24849 | 30433 | 35141 | | | | | | | |
| WLDE-50 | 2" | 2.125" | 12248 | 18153 | 25312 | 37751 | 62218 | 90068 | 106565 | 123365 | 161302 | 176522 | | | | | |
| WLDE-50 | 2 ¹ / ₂ " | 2.125" | 19520 | 27605 | 39039 | 55209 | 87294 | 123452 | 151197 | 174588 | 246904 | 276047 | | | | | |
| WLDE-125 | 2 ¹ / ₂ " | 2.125" | 19520 | 27605 | 39039 | 55209 | 87294 | 123452 | 151197 | 174588 | 246904 | 276047 | 338088 | 390390 | 436469 | | |
| WLDE-200 | 1 ¹ / ₂ " | .375" | 1051 | 1486 | 2102 | 2973 | 4700 | 6647 | 8141 | 9401 | 13295 | 14864 | 18205 | 21021 | 23502 | 25745 | 29728 |
| WLDE-200 | 2" | .75" | 3403 | 4813 | 6807 | 9626 | 15220 | 21525 | 26363 | 30441 | 43050 | 48131 | 58949 | 68068 | 76102 | 83366 | 96263 |
| WLDE-200 | 2 ¹ / ₂ " | 1.5" | 11111 | 15713 | 22222 | 31427 | 49690 | 70273 | 86066 | 99381 | 140546 | 157135 | 192450 | 222222 | 248452 | 272165 | 314269 |