

Pressures to 125 psig
Self-Seating – Trapped Stainless Steel Ball
Two Inlets – Two Outlets

Series WLD 1600 Fixed Float LIQUID DRAIN TRAPS

Applications

Series WLD 1600 Drain Traps are designed to freely remove large quantities of condensate from systems where dirt and oil are not excessive. They can be found on:

- Receivers
- Separators
- Intercoolers
- Aftercoolers
- Reservoirs
- Drip legs

Features

- In-Line Servicing
- Two Side Inlets & Outlets – easy installation
- In-Line Maintenance, all parts attached to cover
- Trapped Ball for self-seating & self-cleaning

How It Works

When air is turned on, the float is resting in its lowest position with the valve closed. Condensate entering the trap does not begin to lift the float until the valve seat is covered. After this level is reached, any further addition of condensate will raise the float to lift the valve off the seat. The amount of valve opening depends on the position of the float, the higher the level the greater the valve opening.

Series WLD 1600 Traps are designed to modulate the flow of condensate with the rise and fall of the float as changes in condensate level occur within the trap body.

All working parts of the trap are attached to the cover casting for easy repair access. Designed for in-line servicing, the unit may be inspected and parts replaced without breaking any pipe connections.



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 610 666-5711 Fax 610 666-0404

Manufacturers of:

**PRESSURE & TEMPERATURE REGULATORS - RELIEF VALVES - STEAM TRAPS - CLEAN STEAM PRODUCTS
LIQUID DRAINERS - PRESSURE PUMPS - EJECTORS - SPECIALTY PRODUCTS**



LD-105

(1/01)

Series WLD 1600 Specifications

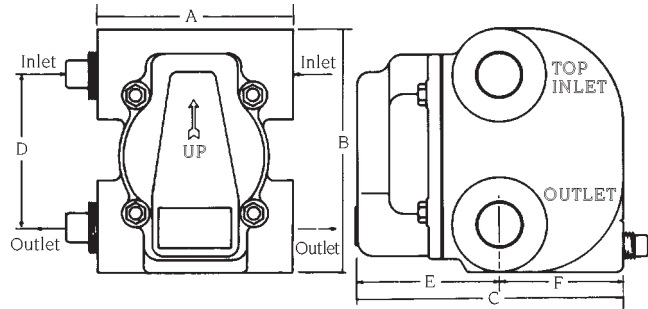
Operating Conditions

Maximum Operating Pressure ..125 psig at 353°F
 Maximum Allowable Pressure ..125 psig at 450°F

NOTE: CAN BE USED AT ANY PRESSURE BELOW ITS MAXIMUM OPERATING PRESSURE STAMPED ON THE COVER BUT WITH RESULTING LOSS IN CAPACITY.

Materials

Body & Cover.....Cast Iron, ASTM A-126 Class B
 Nuts & BoltsHigh-tensile Steel
 Gasket.....Garlock 3400
 FloatStainless Steel
 Valve & SeatStainless Steel



Dimensions & Weights

Series	Size	A	B	C	D	E	F	Shipping Weight (lbs)
WLD 1601	3/4"	4.1	5.0	5.1	3.1	2.8	2.4	7.5
WLD 1602	1"	5.0	6.8	6.5	4.1	3.4	3.0	13
WLD 1603	1 1/2"	6.4	7.7	8.2	5.3	4.4	3.8	21
WLD 1604	2"	6.0	11.0	9.0	7.5	4.5	4.4	40

Capacity Table - (condensate lbs/hr)

Fixed Pivot Float Type Drainers cold water capacities in lbs/hr at 60° F

Pressure (psig)	WLD 1601	WLD 1602	WLD 1603	WLD 1604
2	140	220	585	775
5	215	340	890	1190
10	310	490	1295	1725
25	490	775	2040	2720
50	690	1100	2880	3840
80	865	1365	3595	4790
100	970	1535	4045	5395
125	1090	1720	4530	6040

Note: For GPM divide by 500

Typical Installations

