

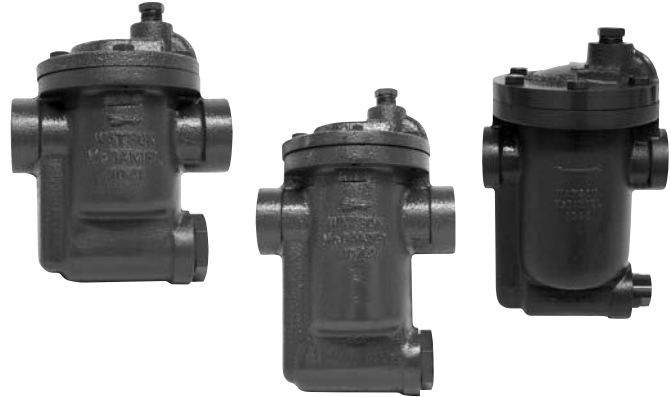
LIQUID DRAINERS

WLD 1500 Series

Inverted Bucket Liquid Drain Trap

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Model	WLD1501, WLD1502, WLD1504, WLD1521, WLD1522, WLD1524
Sizes	3/4", 1"
Connections	NPT
Body Material	Cast Iron
PMO Max. Operating Pressure	200 PSIG
TMO Max. Operating Temperature	450°F
PMA Max. Allowable Pressure	250 PSIG up to 450°F



WLD1521/1522/1524
with Strainer

Note:

Trap should be ordered with an internal check valve or a separate check valve needs to be placed in-line during installation on the discharge side of the trap.

TYPICAL APPLICATIONS

The **WLD1500 Series** Inverted Bucket Liquid Drain Traps are recommended for the removal of oil and liquids from compressed air systems.

HOW IT WORKS

When there is condensate in the system, the inverted bucket inside the liquid drain trap sits on the bottom of the unit due to its weight. This allows condensate to enter the trap and to be discharged through the seat orifice located at the top. When air enters the trap, the bucket floats to the surface and closes off the discharge valve, containing the air in the system. Eventually, air is bled off through a small port in the top of the bucket and the bucket sinks, repeating the cycle.

FEATURES

- Hardened stainless steel valves and seat
- Only two moving parts
- Scrubber wire in air vent of bucket
- Discharge orifice at top, allowing for superior oil removal
- In-line repairable

SAMPLE SPECIFICATION

Drain trap shall be an inverted bucket trap design with cast iron body, all stainless steel internals, hardened valve & seat, plus a scrubber wire. The unit shall be in-line repairable.

INSTALLATION

Installation should include isolation valves for maintenance purposes and an in-line strainer. Trap must be installed in upright position to function properly. It may be necessary to prime the bucket trap by filling it with water through the priming port, prior to startup.

MAINTENANCE

Close isolation valves prior to any maintenance. All working components can be replaced with the drain trap remaining in the pipeline. Repair kits include lever & seat assembly, strainer screen and gaskets. For full maintenance details see Installation and Maintenance Manual.

MATERIALS

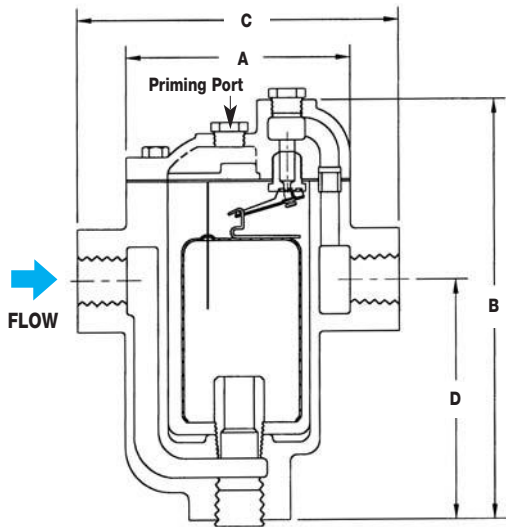
Body & Cover	Cast Iron, ASTM A-278 Class 30
Nuts & Bolts	High-Tensile Steel
Gasket	Non-Asbestos Fiber
Bucket	Stainless Steel
Scrubber	Stainless Steel
Lever & Seat Assembly	Stainless Steel
Valve & Seat	Hardened Stainless Steel
Integral Strainer*	Stainless Steel

* WLD1521, WLD1522 & WLD1524 models only.

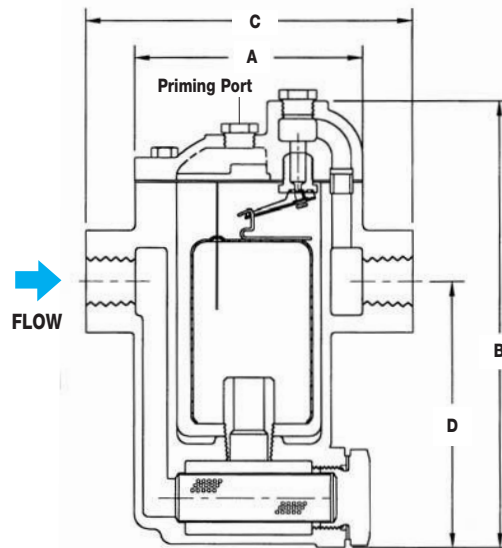
LIQUID DRAINERS

WLD1500 Series

Inverted Bucket Liquid Drain Trap



WLD1501/1502/1504



WLD1521/1522/1524
with Strainer

DIMENSIONS & WEIGHTS — inches / pounds

Model	Size	A	B	C	D	Weight
WLD1501	3/4"	3 ¹³ / ₁₆	5 ⁷ / ₁₆	5	2 ¹³ / ₁₆	5
WLD1502	3/4"	3 ¹³ / ₁₆	6 ¹⁵ / ₁₆	5	4 ⁵ / ₁₆	6
WLD1504	1"	7	11 ¹³ / ₁₆	7 ¹³ / ₁₆	7	27
WLD1521	3/4"	3 ¹³ / ₁₆	6 ¹ / ₈	5	3 ⁷ / ₁₆	5.5
WLD1522	3/4"	3 ¹³ / ₁₆	7 ¹ / ₈	5	4 ⁷ / ₁₆	6
WLD1524	1"	7	12 ⁷ / ₁₆	7 ¹³ / ₁₆	7 ⁷ / ₁₆	30

CAPACITIES — Cold Water (lbs/hr)

Model	PMO (PSIG)	Size	Differential Pressure (PSI)										
			2	5	10	25	50	80	100	125	150	180	200
WLD1501 WLD1521	150	3/4"	145	220	325	510	720	900	1010	1130	1215		
WLD1502 WLD1522	200	3/4"	170	260	380	595	835	1045	1175	1315	1410	1550	1645
WLD1504 WLD1524	200	1"	500	760	1105	1740	2460	3065	3450	3865	4140	4555	4835

HOW TO SIZE/ORDER

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

Application: 200 lbs/hr at 30 PSIG working pressure and 5 PSI differential pressure

Size/Model: 3/4" WLD1521-150 @ 220 lbs/hr (with strainer)