

Sample Line Water Extractor



A Foolproof System to Prevent Water Damage to Gas Detectors

- **Extracts all 99.99% of all Liquids**
- **Minimum Maintenance**
- **Complies with ASTM Standards**
- **Operates on 90 to 260VAC 45 to 75 Hz**
- **Easily Installed**
- **Robust Design**
- **Very Low Current Requirements**
- **Integrated UL/CE Power Supply**

The **Sample Line Water Extractor** from iBall Instruments, LLC sets a new standard in the protection of all gas detector and chromatograph systems employed in the oil and gas exploration industry.

This **Sample Line Water Extractor** System can be used with any FID, Hot-Wire, Infrared or Pellistor based gas detection systems to prevent all incoming liquid contamination and subsequent damage.

The system eliminates the use of a traditional "bubble jar" or "drop out jar" typically used in a logging trailer.

This unit will also eliminate all external filters, and DriRite® canisters between the incoming sample line and the equipment.

The water extractor is based on a purpose-built specialized membrane filter with an exceptionally long life of at least one (1) year.

The design of the system, including the air-tight and robust enclosures, will assure that the iBall Instruments water extractor will last for years.

The **Sample Line Water Extractor** is immune to damage from all hydrocarbon fluids and gasses including alcohol, ethylene glycol, and diesel fuel.

All extracted liquids are automatically pumped out through an integral exhaust port using a quiet medical-grade pump designed for long-life and continuous operation.

This system provides immutable defense from liquid based contaminants indigenous to the gas detection process used throughout the mud logging industry.

For safety, the System requires an exhaust line be connected to the device and routed outside the trailer or building where it is operating.

Once installed and powered up, no human intervention is required to provide liquid-free sample gas. Routine maintenance is recommended annually.

To order contact:
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Sample Line Water Extractor Specifications

ITEM	NOMINAL	RANGE	DETAIL/NOTES
Temperature Range	75° F	-25° to +140° F	Internal components cannot be damaged by freezing temperatures
Supply Voltage	120VAC	90-260VAC	Universal Power Supply
Supply Frequency	60 Hz	45 to 75 Hz	Universal Power Supply
Filter Technology	•	•	Specialized for water separation from gasses.
Case Dimensions / Wall Mount	10" x 8" x 4.5"	•	Wall-mount with top and bottom flanges -4 holes total
Case Dimensions / Portable	13" x 11.5" x 6"	•	Portable And Rugged Plastic Case With Handle
Shipping Weight	15 lbs	•	Ships in 200# Test Carton
Sample Inlet	¼" Hose Barb	•	Solid Brass
Sample Outlet	¼" Hose Barb	•	Solid Brass
Water Exhaust	½" Hose Barb	•	Solid Brass
Warranty	•	•	1 Year on Parts and Labor.

Operating Notes

This unit collects and discharges all condensed liquids from an incoming Sample Line.

This unit should be powered on at all times and in the vertical position.

If the power is removed liquids will not be drained and eventually block the sample flow.

Any AC Voltage between 90 and 260 Volts and 45 to 70 Hz is acceptable.

A bubble jar or drop out canister is not needed while using this system.

Locate this Water Extractor as close as possible to the equipment to help keep condensation out of the lines between this water extractor and the equipment.

Connect AC Power Cord to nearest AC Outlet. A small green light can be observed on the power supply indicating normal operation.

Connect the sample line from the external sample extractor to the hose barb labeled "IN"

Connect tubing from the hose barb labeled "OUT" to the equipment.

Connect a section of ½" tubing to the hose barb labeled EXHAUST and route the tubing out of the work environment. Any liquids collected and some sample gasses will be discharged through this line.

**Hazardous gasses may be present in the exhaust line
IN ALL CASES EXHAUST EQUIPMENT TO OUTSIDE**

iBall Instruments® LLC

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