

Fluid Analysis Services

TotalSense™ Fluid Analysis Services

- One source for all HVAC&R system fluid analyses
- Laboratory specialized in HVAC&R analyses
- Analytical reports with meaningful service recommendations
- Qualified staff available to answer your tough technical questions

Routine analysis of fluids used in HVAC&R equipment is essential to the proper maintenance and operation of the entire system. TotalSense™ Fluid Analysis Services encompass all analyses necessary to maintain and operate every type of HVAC&R equipment.

With TotalSense™ Fluid Analysis Services, service personnel have a single source for all their analytical testing needs. Information generated from analyses for the entire HVAC system is consolidated and available in a single database.

TotalSense™ Fluid Analysis Services is dedicated to HVAC&R sample analyses. Our technical staff is experienced in the unique chemistry of fluids used in the HVAC&R industry and has the added support of a fully qualified mechanical engineering staff. This experience in the HVAC&R industry is reflected in our analytical reports, which translate the test results into meaningful service recommendations that have real value in providing a successful preventative maintenance program. Questions regarding interpretation of analytical results or recommendations can be addressed to our analytical staff by phone, fax, or email.



Lubricant Analysis

- Analysis for wear metals, moisture, acidity and oil type in air conditioning or refrigeration systems.
- Optional analysis for chloride content, ion activity, viscosity and % POE are available for certain compressors or system applications.

Refrigerant Analysis

- Analysis of CFC, HCFC and HFC refrigerants for contamination and degradation.

Lithium Bromide Analysis

- Fluid analysis for corrosion inhibitor concentration in absorption chiller systems.

Particle Count

- Fluid analysis for Lubricant cleanliness.

Glycol Heat Transfer Fluid Analysis

- Freeze point and concentration determination
- Fluid analysis for corrosion, additives, decomposition, and contaminants.

Water Analysis

- Analysis for hardness and corrosives in cooling towers, evaporative condensers, and closed loop systems.

Filter Analysis

- Standard analysis includes ID exam and gives relative amounts of metals found in the filter element.

Toll-Free Technical Support

- Engineering and analytical support is available by calling 1-877-460-7575.



**Universal HVAC/R
Parts and Supplies**

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Part No.	Description	Available Options
P915-0001	Lithium Bromide Analysis Kit <ul style="list-style-type: none"> • Uninhibited • Nitrate Inhibited • Chromate Inhibited • Molybdate Inhibited • Arsenite Inhibited • Refrigerant Water 	<ul style="list-style-type: none"> • Octyl Alcohol • Ammonia • Arsenite • Molybdate & Nitrate • Purge Gas
P915-0003	Brine (Glycol) - Fluid Analysis Kit	- NA -
P915-0006	Water Analysis Kit	<ul style="list-style-type: none"> • Ammonia • Electrical Conductivity • Other elements
P915-0007	Standard Oil Analysis Kit	<ul style="list-style-type: none"> • Chlorides/Fluorides • Ion Activity • Viscosity • Mixed Oil Percentage
P915-0007-PC	Particle Count	- NA -
P915-0008	Filter (Oil & Refrigerant) Kit Analysis of foreign solids & sludge	- NA -
P915-0009	Refrigerant Analysis Kit - includes single-use, DOT approved refrigerant cylinder and shipping paperwork	<ul style="list-style-type: none"> • Other refrigerant contamination • Non-condensables
Standard Service	3 - 5 days turnaround	• Oil, LiBr, refrigerant, water and glycol samples
Rush Service	24 - 48 hours turnaround	• Oil, LiBr, refrigerant, water and glycol samples

All analyses include sample kit with collection and shipping instructions, information sheets, and sample containers. Analysis reports are available through US mail, fax or e-mail.

View sample reports at www.fluidanalysiservices.com



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