Do you really know your absorption liquid chiller?

What makes your chiller so efficient and reliable is its technology, its copper-nickel tubes, its unique housing, and above all its lithium bromide based solution.

The equilibrium of this solution is the key to ensuring the unit produces chilled water as efficiently as possible.

The solution’s chemical substances are very sensitive and can deteriorate rapidly if air enters your machine or there are leaks in the tubing.

Failure to maintain its equilibrium will cause damage to your machine.

What are the consequences of an imbalance?

- ammonia is formed,
- parts become dangerously corroded,
- blockages will form, your heat exchanger will become obstructed,
- there will be a high proportion of elements in suspension,
- the formation of non condensable elements will increase.

These chemical reactions then reduce the chiller’s throughput, and eventually cause costly breakdowns!
It is vital to maintain the equilibrium of the Lithium Bromide solution.

How?

Using preventive means, in the form of an analysis called the Lithium Bromide analysis. Our laboratories detect any imbalance. A single analysis is sufficient to identify and evaluate it.

How often?

- once a year as a minimum for any installation,
- twice a year when the installation is in constant operation,
- or every 5,000 hours of operation.

An approved laboratory, a guarantee of reliability:

- professional technicians
- a precise diagnosis with interpretation of the results
- calculation of the chemical additives required to restore the solution’s equilibrium.
- recommendations for optimum operation.

The Lithium Bromide analysis:

Your contact to obtain the services of Trane’s ServiceFirst chemical laboratories:

- prevents major breakdowns,
- prolongs the operating life of your absorption machine,
- generates savings by maintaining optimum efficiency and throughput.

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