

Purge Systems

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Purge Units for Centrifugal Chillers

The basic function of the purge system is to maintain the refrigeration system free of non-condensable gases (air) and moisture. Accumulation of non-condensable gases within the system causes an increase in condensing pressure, which in turn results in the loss of operating efficiency.

Moisture is also a major enemy of the refrigeration system. It causes the formation of acids that can attack the machine's internal components and ultimately lead to premature failure. Therefore, it is critical to maintain the machine free of non-condensable gases and moisture at all times.

The most important aspect of any high-efficiency purge unit is obviously efficiency. The only assurance you have that a

particular manufacturer's purge unit will perform to its published efficiency rating is to make absolutely sure the unit is ARI certified to Standard 580. The ARI certified and tested refrigerant-to-air emission ratio of the "Redi-Purge" with Cryo-Line molecular sieve emission collection canister is virtually zero emissions (0.0004 lb of refrigerant per lb of air). More importantly, the refrigerant adsorbed by the CryoLine canister can be reclaimed and returned to the chiller owner via a refrigerant credit program offered by Blue Sky Technologies in the United States, and CryoLine Supplies in Canada.

Another important consideration is to be certain the purge unit is UL listed. The "Redi-Purge" is UL listed for both United States and Canadian (CSA) requirements.

The "Redi-Purge" also has a duty cycle function available on its microprocessor controller. This function allows the purge unit to operate based on actual purging requirements, thereby reducing wear on the unit. Duty cycling also reduces power consumption by 80% to 90% over older style OEM purge units.

An additional important consid-

-eration when selecting a high-efficiency purge unit is the availability of technical support. Before you buy any high-efficiency purge unit, call the manufacturer's technical support department and verify that support is available. The staff at Redi Controls, Inc. strives to provide efficient and effective product support and product quality. The "Redi-Purge" has a number of features and benefits that were specifically designed to provide increased efficiency, easy installation and easy serviceability. Please feel free to contact Redi Controls Inc. for information concerning the "Redi-Purge," or other chiller products ("SavAll" or "SavAll-II" refrigerant containment devices, "RuptureSeal" backup safety relief valves, "Purge-Guard" and more).

Near "**ZERO LOSS**" Purger
Reduces purge losses to
mere ounces per year

ARI CERTIFIED

UL Listed

Redi Purge™

**High Efficiency Purge
System**

REDI CONTROLS

www.Redicontrols.com

(317) 865-4130

Call for availability or additional information

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