

AUTO-PURGER® APC and APCE For Use with Plant Computers or PLCs

For those plants which have computers for monitoring and controlling many parameters throughout a plant including the refrigeration system, an AUTO-PURGER model is available which utilizes the plant computer capability rather than the built-in purge point timer control used on the standard AUTO-PURGER models. This not only simplifies the AUTO-PURGER unit, but also facilitates centralization of more control functions at the central plant computer.

Features

All of the following features, found on the standard AUTO-PURGER AP or APE, are included in the AUTO-PURGER APC or APCE model.

1. High air removal capacity.
2. Self-contained refrigerant control including start-up and shutdown.
3. Self-contained water bubbler flush system for ammonia systems.
4. Complete packaging, including insulation.
5. Factory testing.
6. Counter to record the number of air removal cycles.

All that the plant computer must do is:

1. Start and stop the AUTO-PURGER with simple electrical on-off.
2. Cycle individual purge point foul gas solenoid valves in the desired time sequence or response pattern. Solenoid valves should be open only when the AUTO-PURGER is on. Note: Normally, the computer operates separate small electronic relays which have sufficient amperage capacity for the AUTO-PURGER "on" switch and for each Hansen HS8 solenoid valve.
3. Measure the power saving or head pressure reduction results (optional).

Advantages

The AUTO-PURGER APC and APCE have all the same advantages that the standard AUTO-PURGER AP and APE have over other purgers. These advantages include:

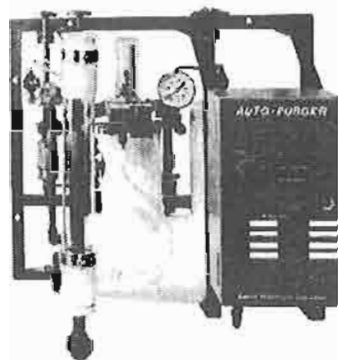
1. Power savings all year.
2. Operating efficiently at reduced condensing pressures.
3. Installation location and elevations are not restricted.
4. Greater air removal capacity.

The AUTO-PURGER APC and APCE are available promptly for immediate energy saving results as a plant computer system is installed or expanded.

Other AUTO-PURGER® Models Available

AUTO-PURGER® AP

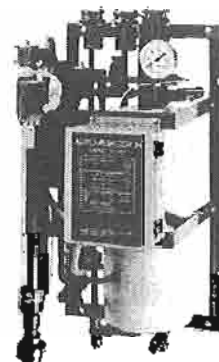
This is the original AUTO-PURGER. It has solid-state control and is ideal for larger systems, up to 1500 tons/5275 kW. This is two to three times the air removal capacity of other purgers. With models available to purge up to 24 points, the AP features automatic start-up with electronic control. The purge cycles can be individually adjusted to meet system requirements. The AP includes an automatic water bubbler. An optional NEMA 4 rated enclosure is available. Isolation shut-off valves are also included. A European option (APE) is available that features all-welded construction and conformance to European electrical standards. For ammonia and halocarbon refrigeration systems. Assembled, tested, and ready to run.



AUTO-PURGER® AP

AUTO-PURGER® APM

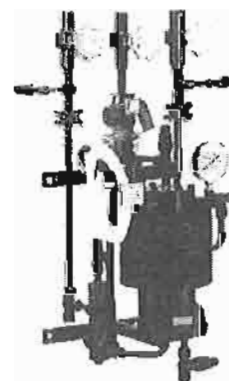
A more compact version of the original AP, the AUTO-PURGER APM is ideal for medium-size systems up to 200 tons/700 kW. Like the AP, the APM features automatic start-up with electronic control. Designed for up to four purge points, an electronic "brain" searches for noncondensable gases in the system and purges at those points where air is present. The APM includes an automatic water bubbler and comes standard with a NEMA 12, 13 cabinet. For use with ammonia refrigeration systems. Assembled, tested, and ready to run.



AUTO-PURGER® APM

Nonelectric AUTO-PURGER® (NEAP)

The Nonelectric AUTO-PURGER (NEAP) is ideal for small systems, up to 100 tons/350 kW. The nonelectric design also makes the NEAP ideal for explosion proof and hazardous atmospheres. The simple design of the NEAP features fully automatic start-up, like the other AUTO-PURGERS, and is generally used to purge a single point. For use with ammonia refrigeration systems. Assembled, tested, and ready to run.

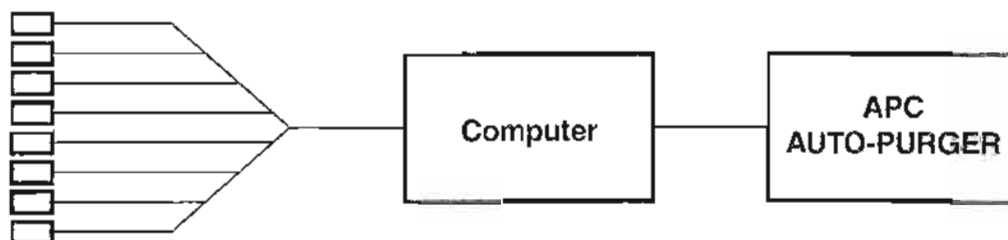


Nonelectric AUTO-PURGER® (NEAP)

Ordering Information

Model	Description
APC	Deluxe, totally automatic AUTO-PURGER AP for use with computers. Prewired, prepiped, and insulated. Includes the water bubbler flush system.
APCE	Same as above, but construction to meet European standards.

Plant Computer Interface



Remote purge point solenoid valves sequenced by the central computer. Hansen HS8 ½" solenoid valves typical.

Central computer or programmable logic controller (PLC).

AUTO-PURGER APC or APCE started and stopped by the plant computer.