

# Replacement CenTraVac® Purifier® Purge



## The Trane Purifier purge is designed to help owners manage refrigerant losses.

Refrigerant is saved through the highly efficient operation Purifier® purge. Enhanced safeties are also included to protect the chiller refrigerant in the case of a large chiller leak or operator error. The added “adaptive” mode of operation allows the purge to run only when air is present in the chiller. This added feature reduces the run time of the purge, thereby saving energy. In the case of a purge malfunction, the Purifier purge communicates the problem source to the servicer through a two-line, 16-character clear language display.

### **PRG00099–CFC-11/HCFC-123 Purifier purge with human interface**

The Purifier purge can be applied to 50- or 60-cycle, low-pressure CFC-11/HCFC-123 centrifugal chillers without Unit Control Panel (UCP2™).

### **PRG00100–CFC-113 Purifier purge with human interface**

The Purifier purge can be applied to 50- or 60-cycle, low-pressure CFC-113 centrifugal chillers without Unit Control Panel (UCP2).

### **PRG00101–CFC-11/HCFC-123 Purifier purge without human interface**

The Purifier purge can be applied to 50- or 60-cycle, low-pressure CFC-11/HCFC-123 centrifugal chillers with UCP2. In this case, the purge will utilize the UCP2 chiller display for purge to operator communication.

Not included with any unit:

- Customized purge mounting brackets
- Electrical conduit or connectors
- 1/4 in. and 5/8 in. copper refrigerant tube, fittings
- 5/8 in. OD ball valve

The Purifier purge is microprocessor-based, so it stores the kind of information you need to know— how much, where and when a chiller is leaking. This monitoring of the chiller purging characteristic helps to detect leaks, helps to speed repair and helps to keep owners compliant with today's refrigerant management laws.



## Features and benefits

### Microprocessor-based controls

The Purifier purge controls provide chiller operational data pertinent to managing chiller leaks. The purge automatically measures, stores and displays purging measurements of purge time, condenser and chiller run time for the last thirty days.

### Advanced diagnostic capability

In the event of unusual purge operation or failure, the purge communicates the problem source through the human-interface display.

### Gravity “free-flow” design

Trane's patented gravity free-flow design returns liquid refrigerant to the chiller condenser, eliminating the liquid return components such as float valves, float switches, orifice restrictors and solenoid valves.

### Exclusive filter-drier technology

Advanced filter technology improves chiller reliability and speeds service.

## Purifier purge accessories

### KIT02586 Purge human-interface kit

This kit converts an existing PRGC that was originally part of a chiller UCP2 control system to a stand-alone Purifier® purge having its own human interface.



### TNK00858 Purifier Plus carbon canister

The Purifier Plus is an optional, activated-carbon canister designed to be installed on the exhaust line of Trane Purifier purges to obtain near-zero purge emissions.



### SEP00076 Liquid-refrigerant separator

The purge liquid-refrigerant separator is intended for use with the Purifier purge in applications where, for clearance or other reasons, the purge cannot be mounted on the chiller condenser. The liquid separator allows the purge to be mounted on top of the chiller evaporator. See the purge liquid-refrigerant separator installation manual for further details.



### KIT08067 Bracket kit for Purifier Plus

The purge bracket kit is intended to be used when installing a Purifier Plus carbon canister for the first time. The kit includes a holding bracket, mounting brackets and hardware.



### KIT08014 Purge valve kit

The purge valve kit is an option that includes piping fittings and valves needed in a typical purge installation. If this kit is not ordered, the following parts must be field provided.

- 1/4 in. NPS tee
- 1/4 in. C ball valve
- 7/8 in. fitting × 5/8 in. C bushing
- 7/8 in. fitting × 7/8 in. elbow
- coupling
- 5/8 in. C × 1.2 in. NPTE adapter
- 1/2 in. NPS elbow
- 5/8 in. ODS ball valve



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