



Chart Inc., 407 7th Street N.W., New Prague, MN 56071  
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## **CryoVent Exhaust Gas Heater - Outdoor** **PN 11845615**



The CryoVent Exhaust Gas Heater is designed to fit on the bayonet outlet of a Chart CryoVent. The heater keeps the CryoVent outlet frost-free. The heater is designed for outdoor use in nitrogen service.

### **Installation:**

Slide the O-ring and the CryoVent Exhaust Gas Heater onto the outlet bayonet of a Chart CryoVent. (Heater can only be used with a bayoneted CryoVent, if a bayoneted CryoVent needs to be purchased contact Chart at the numbers above.) Position the electrical box at the 12:00 position. Connect the two bayonets together using the clamp provided with the CryoVent.

The CryoVent Exhaust Gas Heater must be connected to a 120 Volt AC, 1 amp electrical supply. The electrical supply must be protected by a fuse or circuit breaker. A ground fault interrupter should not be used. The electrical supply should be routed through waterproof conduit into the conduit elbow. The ground should be connected to the grounding terminal in the conduit elbow.



***Warning!*** Due to large amounts of heat being distributed, the heat shield will become hot. The 1" diameter circle directly above the heater will become extremely hot. **DO NOT TOUCH!!!**

### **Operation:**

The CryoVent Exhaust Gas Heater is made to run continuously. If not run continuously while nitrogen is flowing, frost and ice may form. For longest heater life, it is recommended that the heater be powered off when the nitrogen system is shut down for extended periods.



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During VIP system start up, the CryoVent can be isolated using Chart, CryoVent heater valve kit PN 11835572. After system start up is complete, the valve kit components must be removed. All pressure should be released before the valve kit components are removed.

If work or maintenance is being done around the CryoVent Exhaust Gas Heater caution should be taken to prevent being burned.

Hot Labels:

Hot labels are placed on the CryoVent Exhaust Gas Heater to provide caution to those working in the area. The hot labels are not placed directly at the hottest points due to the perforated metal. The hot point is directly above the heater and is about 1" in diameter. This part of the heat shield will get hot. Therefore if work is to be done around the CryoVent Exhaust Gas Heater caution should be taken. Heater can also be unplugged if the risk of being burned is at hand. If heater is unplugged for extended periods of time frost and ice may form.



**Warning! Heater becomes extremely hot and will cause severe burns!  
Do not put hand inside heater guard!**

Electrical requirement:

120 Volt AC – 1 Amp

Service:

Part Number	Description
3514751	V-band clamp
2322291	O-ring
11835572	CryoVent heater valve kit

If the CryoVent Exhaust Gas Heater needs service, contact Chart at the numbers listed above.