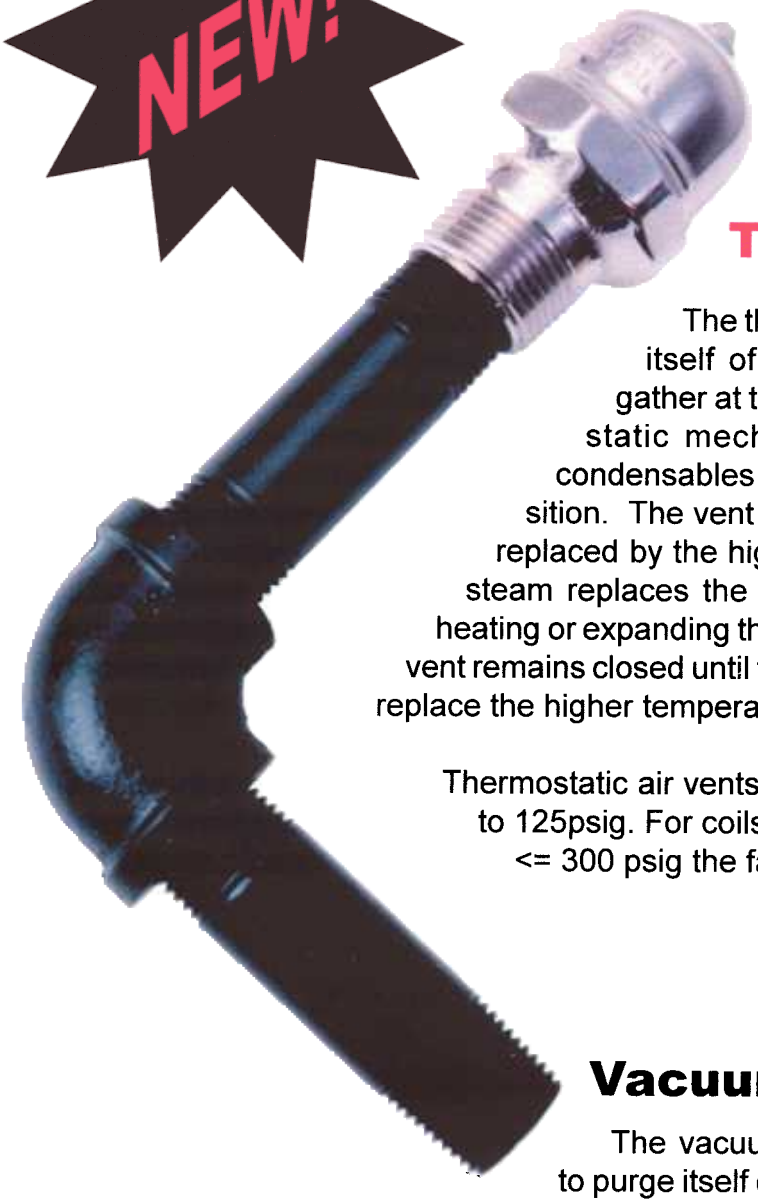
NEW!

HEATCRAFT™



Thermostatic Air Vent

The thermostatic air vent allows the system to purge itself of non-condensables. As non-condensables gather at the high point in the system, the vent's thermostatic mechanism becomes "insulated" by the non-condensables and begins to cool and relaxes to its open position. The vent opens allowing the gasses to escape and be replaced by the higher temperature steam. The vent closes as steam replaces the escaped gasses and begins the process of heating or expanding the mechanism back to it's closed position. The vent remains closed until the lower temperature non-condensable again replace the higher temperature steam.

Thermostatic air vents are available for coils for steam pressure up to 125psig. For coils with operating pressure above 125 psig and <= 300 psig the factory should be consulted for lead-time.

Vacuum Breaker

The vacuum breaker allows the coil to purge itself of an internal vacuum, typically caused by a modulating control valve. When the control valve throttles back the steam pressure due to reduced load demand it inherently creates a vacuum in the coil as the existing steam inside the coil begins to condense. If left to it's own design, condensing steam, which is allowed to pull a vacuum, can cause catastrophic damage to any coil or pressurized vessel. The presence of vacuum conditions activates the vacuum breaker and allows air to enter the coil thus breaking the vacuum, and allowing condensate to flow freely from the coil.

**** Both assemblies supplied with piping components shown***