

2-Stage: Best comfort and lowest operating cost

The Whisper-Jet (Model SET): New Burner Technology



2-Stage ■ High performance ■ Comfortable ■ Quiet ■ High Quality

The Perfect Radiant Tube Heater

Key Benefits:

- High energy efficiency: 30-50% energy savings vs. conventional systems
- Longest laminar flame
- Highest reliability and durability
- Quiet as a whisper
- Easy access “clamshell” burner box

2-Stage Features:

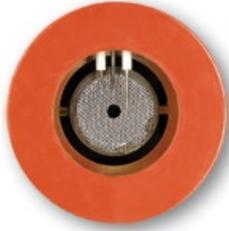
- Up to 35% less on/off cycles
- Improved heating comfort
- Uniform heat distribution
- 5-11% additional energy savings vs. single-stage technology

Schwank
INNOVATIVE HEATING SOLUTIONS

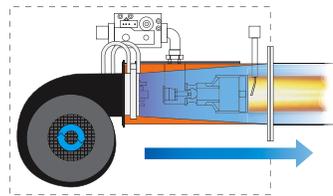


Whisper-Jet (Model SET)

Everybody knows that a passenger car will never reach the premier class if it doesn't have an advanced engine. The same applies to tube heaters. The central feature, the Schwank high performance burner, is the result of permanent development and more than 55 years of experience.



Long flame – high efficiency is another clear result of optimized design and high grade components. The Schwank burner uses a **ceramic tile** to ensure exceptional direction control of the flame. The burner tile, a patented Schwank development, uses coaxial flow control elements to create a very **long, laminar and axially straight flame**. This results in clean combustion, uniform transfer of heat to the tube, outstanding distribution of the radiant heat and minimized energy loss. Improved energy efficiency reduces **energy consumption**.



A positive pressure system is the result of continuous research, stringent long-term testing and the selection of high value materials. The achievement? **Reliability**. Important burner components, such as the blower and bearings, are not exposed to the extreme heat and moisture of the exhaust gas. This considerably increases the **lifetime** of the burner compared to a vacuum system.



First class 2-Stage: This technology, originally developed for boilers, is now available for Schwank tube heaters.

The 2-stage feature allows heat output control according to the actual heat requirement based on changing outside temperature and building heat loss. It is not always best to heat at full throttle – 2-stage heating **saves energy** and improves **heating comfort**. And the number of on/off cycles is reduced by up to 40%. The reduction in “cold starts” places far less strain on the heater components. The result is longer **life span**.



As Quiet as a Whisper: The position of the blower and the optimized flow properties of the burner make the system extremely quiet - as quiet as a **whisper**. This is especially important in buildings in which background noise can be annoying. Examples are conference centers, automotive showrooms, galleries, special event locations, museums and similar premises.



The Whisper-Jet is very easy to install and service and only one moving part ensures low maintenance and reliability. Prior to shipment, every burner is individually fired and tested to the most stringent quality standards. The burner box is a unique Schwank “clamshell” design. Easy access to all key component parts. Service access from all sides.

The new burner technology from Schwank ranges from 60,000 to 200,000 BTU/h, operated with natural gas or propane.

Schwank – A Powerful Brand:

- Worldwide market leader
- Inventor of infrared-gas heaters
- 55 years of experience and innovation
- Collaborative American and German engineering
- Over 1 million heating units supplied to satisfied customers
- Sold in over 40 countries worldwide
- Proprietary burner technology
- Manufactured in North America

Schwank – Reliable Service:

- Professional project consultation and design
- Neutral system comparison and energy cost calculation

Stay tuned. Meaningful innovation is our passion.

Schwank
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