



NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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## Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### MEA 396-07-E

**Manufacturer:** Schwank Ltd.  
5285 Bradco Blvd.  
Mississauga, Ontario L4W 2A6  
CANADA

**Trade Name(s):** Schwank, InfraSave

**Product:** Gas-fired, infra-red radiant heaters  
MEA Index #410-60 – Infra-red Heaters

**Pertinent Code Section(s):** 27-800, 27-826, RS 14-2(ANSI Z223.1)

**Prescribed Test(s):** RS 14-6 (ANSI Z83.6)

**Laboratory:** Canadian Standards Association

**Test Report(s):** CSA Certificate of Compliance #1453743 / 159999  
issued November 27, 2006.

**Description:** The positive-pressure, gas-fired, infra-red low-intensity tube heaters are suitable for heating non-residential indoor spaces, commercial aircraft hangars, garages, workshops and other commercial/industrial applications. Schwank models **STS-JZ, S100, S100U, SET (2 Stage)** and **SETU (2 Stage)** and InfraSave models, **IQ, ITB, ITBU, ITT (2 Stage)** and **ITTU (2 Stage)** are positive-pressure systems. Schwank model, **STV-JZ**, and InfraSave model, **IV**, are negative-pressure vacuum systems. All installations follow ANSI Z223.1 for gas-burning appliances and latest edition electrical code, ANSI/NFPA No. 70. Units are equipped with combustion control, ignition control and flame-monitoring assembly, burner, air-proving blocked-flue switches, heat exchanger tubes and reflectors and hangers. These low-intensity tube heaters must be mounted with minimum clearance to combustibles as shown in the installation manual. Model numbers with input heating ratings are listed on the following page.

Product Covered:

<b>Model No.</b>	<b>Input Rating (Btu/hr)</b>
<b>STS-JZ / IQ 45-10 <u>to</u> STS-JZ / IQ 200-70</b>	<b>45,000 to 200,000</b>
<b>S100 / ITB 45-10 <u>to</u> S100 / ITB 200-70</b>	<b>45,000 to 200,000</b>
<b>S100U / ITBU 60-10 <u>to</u> S100U / ITBU 200-30</b>	<b>60,000 to 200,000</b>
<b>SET / ITT 80/60-20 <u>to</u> SET / ITT 200/140-60</b>	<b>80,000/60,000 to 200,000/140,000</b>
<b>SETU / ITTU 80/60-20 <u>to</u> SETU / ITTU 200/140-30</b>	<b>80,000/60,000 to 200,000/140,000</b>
<b>STV-JZ / IV 60-20 <u>to</u> STV-JZ / IV 155-60</b>	<b>60,000 to 155,000</b>

**Note:** Minimum installed clearances from combustible construction shall be in accordance with RS 14-15 of the New York City Building Code.

**Terms and Conditions:** The above infrared radiant heaters are accepted with the following conditions:

1. Heaters are for commercial/non-residential type use only where flammable gases or vapors are not generally present.
2. Heaters shall be fired by natural gas with rigid gas piping installation only.
3. Heaters shall be installed in well-ventilated, open space with combustion air and required ventilation air provided according to the New York City Building Code.
4. Minimum installed clearances to combustible construction shall be as indicated above.
5. Heaters are suitable for use in aircraft hangars when installed in accordance with NFPA standard No. 409, and in public garages when installed in accordance with NFPA standard No. 88A, and repair garages when installed in accordance with NFPA No. 888.
6. All installations/connections shall be approved and tested by the Plumbing Division of the New York City Department of Buildings.

7. Units shall be used in compliance with the Energy Conservation Construction Code of New York State.
8. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance April 15, 2008

Examined By Sean Derpholan