



UNIT HEATERS

MADE IN





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Efficient Heating Solutions for Large, Open Spaces

Sterling Gas-Fired Unit Heaters provide efficient heating solutions for a variety of residential and commercial applications. Several styles are available, including Tubular, Propeller-Type, Blower Type, and Indoor Duct Furnaces with capacities ranging from 30 to 400 MBH.

Our complete line of heaters allows customers to order the exact capacity model they need without energy-wasting oversizing. Applications include residential and commercial garages, workshops, warehouses, factories, shipping areas, and public buildings. The units provide efficiencies of up to 81%.

Heat Exchanger Technology

Unlike other heat exchangers that feature lightweight construction, Sterling's minimum metal standard (aluminized or stainless steel) is heavy-duty 20 gauge. Our heat exchangers and reliable, energy-saving ignition system technology allow heated air to be evenly distributed to the conditioned space. Exceptional balance of motor and blower components ensures quiet operation.

Ease of Service and Maintenance

All Sterling unit heaters are designed for ease of installation, service and maintenance. All major components are easily accessible to save time on inspection and service calls. For tubular unit heaters, ignition and control fans are located in one centrally located control panel. On "QV" models, burners are individually removable for inspection and servicing. Quality components throughout ensure long service life.

Warranty and Factory Assurance

All Sterling Unit Heaters are covered by a 10-Year Warranty (unless otherwise indicated) on complete heat exchangers, draft hood assemblies and burners. Each unit is factory test-fired to ensure proper operation when installed.

Tubular GAS-FIRED UNIT HEATERS



Model GG

LOW-PROFILE, RESIDENTIAL GARAGE CERTIFIED

The Garage Guy heater is a tubular design propeller type unit heater that utilizes a single orifice burner. It's low profile design and sizes ranging from 30-120 MBH make it ideal for all applications.

Standard Features:-

- 20 gauge tubular heat exchangers
- 7 sizes ranging from 30 to 120 MBH
- Single orifice burner
- Direct spark ignition system
- 20 gauge jacket panels w/baked enamel finish
- Easy access control panel
- Certified for category I and III venting
- 81% thermal efficiency
- ETL certified
- OSHA type fan guard
- Field convertible to separated combustion w/ concentric kit addition



Model TF

LATEST TUBULAR HEAT EXCHANGER TECHNOLOGY

The "TF" is a propeller type unit heater that combines the latest tubular heat exchanger and inshot burner technology with the quality and reliability you have come to know with Sterling. Available in sizes 150 - 400.

Standard Features:-

- 20 gauge tubular heat exchangers
- 7 sizes ranging from 150 to 400 MBH
- Inshot type burner
- Direct spark ignition system
- 20 gauge jacket panels w/baked enamel finish
- Power vented
- Easy access control panel
- Certified for category I and III venting
- Terminal strip low voltage wiring
- 81% thermal efficiency
- ETL certified

Tubular GAS-FIRED UNIT HEATERS



Model GF

STAINLESS STEEL CONSTRUCTION RESISTS MOISTURE AND RUST FOR COMMERCIAL GREENHOUSE APPLICATIONS

The Shield™ gas fired tubular unit heaters are built better by design. Stainless steel construction provides maximum protection against moisture and rust. They are the ideal heating solution for both glass and poly greenhouses. Durable tubular heat exchanger provides maximum and uniform heat transfer and significantly longer service life. Available in sizes 150, 250, and 400 MBH, Shield™ unit heaters are backed by a full 5-year warranty on the heat exchanger, flue collector and burners.

Standard Features:

- Stainless steel construction for maximum corrosion resistance
- 150, 250 and 400 MBH
- Individually adjustable and locking louvers
- Power vented
- Inshot burners
- Easy access control panel
- Single stage combination gas valve
- 5-year warranty

Propeller Type GAS-FIRED UNIT HEATERS



Model QVEF

POWER VENT INSTALLED

The Sterling model "QVEF" high efficiency unit heater achieves 80% thermal efficiencies and annual fuel savings of up to 25% over conventional natural vented unit heaters. The "QVEF" features a standard factory installed power vent and sealed flue collector that controls combustion and excess air during 'on' cycles.

Standard Features:

- CSA certified for 80% efficiencies
- 14 sizes ranging from 30 to 400 MBH
- Aluminized steel heat exchanger - 20 gauge
- Optional 409 and 321 stainless steel heat exchangers
- Single stage gas valve
- Optional 2 stage and modulating gas valves
- Spark Ignition
- Available in Natural or LP gas
- Easy burner access with individual removable burners
- Two point suspension

Propeller Type GAS-FIRED UNIT HEATERS



Model QVSF

SEPARATED COMBUSTION DESIGN FOR MILDLY HOSTILE ENVIRONMENTS

The Sterling model "QVSF" separated combustion unit heater is designed to be installed in mildly hostile environments where dusty, dirty, and mildly corrosive conditions exist, or high humidity or slightly negative pressures prevail. The burners, pilot and flue system are enclosed within the unit. The entire combustion process is literally unaffected by the atmosphere in the space where the unit is located. Units are available from 100-400 MBH and carry a one-year warranty.

Standard Features:

- CSA certified for 80% efficiencies
- 10 sizes ranging from 100 to 400 MBH
- Aluminized steel heat exchanger - 20 gauge
- Optional 409 and 321 stainless steel heat exchangers
- Single stage gas valve
- Optional 2 stage and modulating gas valves
- Spark Ignition
- Available in Natural or LP gas
- Easy burner access with individual removable burners
- Factory fire tested

Blower Type GAS-FIRED UNIT HEATERS



Model QVEB **INSTALLED POWER VENT**

The model "QVEB" high efficiency unit heater achieves annual fuel savings of up to 25% over conventional natural vented unit heaters. The "QVEB" features a factory installed power vent and sealed flue collector that controls combustion and excess air during on cycles.

Standard Features:

- 10 sizes ranging from 100 to 400 MBH
- CSA certified for 80% efficiencies
- Aluminized steel heat exchanger - 20 gauge
- Optional 409 and 321 stainless steel heat exchangers
- Single stage gas valve
- Optional two stage and modulating gas valves
- Spark ignition
- Available in Natural or LP gas
- Easy burner access with individual removable burners
- Optional duct flange connection in lieu of discharge louvers

Blower Type GAS-FIRED UNIT HEATERS



Model QVSB

SEPARATED COMBUSTION DESIGN FOR MILDLY HOSTILE ENVIRONMENTS

The model "QVSB" separated combustion unit heater is designed to be installed in mildly hostile environments where dusty, dirty, and mildly corrosive conditions exist or high humidity or slightly negative pressures prevail. The burners, pilot and flue system are enclosed within the unit. The entire combustion process is literally unaffected by the atmosphere in the space where the unit is located.

Standard Features:

- 10 sizes ranging from 100 to 400 MBH
- CSA certified for 80% efficiencies
- Aluminized steel heat exchanger - 20 gauge
- Optional 409 and 321 stainless steel heat exchangers
- Single stage gas valve
- Optional two stage and modulating gas valves
- Spark ignition
- Available in Natural or LP gas
- Easy burner access with individual removable burners
- Optional duct flange connection in lieu of discharge louvers

Indoor Duct Furnaces

GAS-FIRED



Models QVED/QVES

POWER VENT DUCT FURNACES

The "QVED" and "QVES" are power vented indoor duct furnaces. Model "QVED" offers bottom burner access and is typically ceiling suspended. The model "QVES" offers side access and is typically mounted on a non-combustible floor. Both models offer high efficiencies that achieve annual fuel savings of up to 25% over conventional natural vented unit heaters. Also featured is the factory installed power vent and sealed flue collector that controls combustion and excess air during on cycles.

Standard Features:

- 10 sizes ranging from 100-400 MBH
- CSA certified for 80% efficiencies
- Aluminized steel heat exchanger - 20 gauge
- Optional 409 and 321 stainless steel heat exchangers
- Single stage gas valve
- Optional two stage and modulating gas valves
- Spark ignition
- Available in Natural or LP gas
- Easy burner access with individual removable burners

Indoor Duct Furnaces GAS-FIRED



Model QVSD

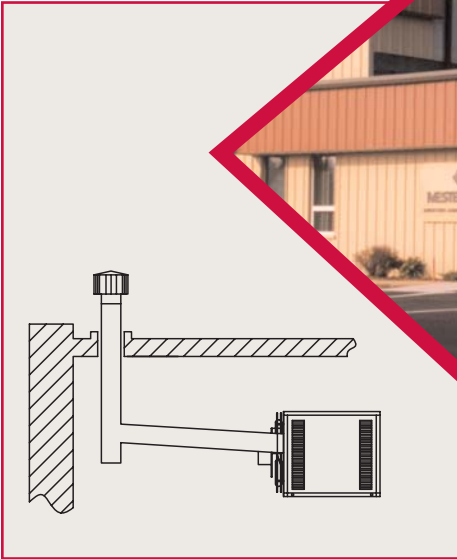
SEPARATED COMBUSTION FOR MILDLY HOSTILE ENVIRONMENTS

The model "QVSD" separated combustion indoor duct furnace is designed to be installed in mildly hostile environments where dusty, dirty, and mildly corrosive conditions exist or high humidity or slightly negative pressures prevail. The burners, pilot and flue system are enclosed within the unit. The entire combustion process is literally unaffected by the atmosphere in the space where the unit is located.

Standard Features:

- 10 sizes ranging from 100-400 MBH
- CSA certified for 80% efficiencies
- Aluminized steel heat exchanger - 20 gauge
- Optional 409 and 321 stainless steel heat exchangers
- Single stage gas valve
- Optional two stage and modulating gas valves
- Spark ignition
- Available in Natural or LP gas
- Easy burner access with individual removable burners

Vent Pipe Sizes



| Model | Sizes | Vent Pipe Diameter |
|-----------------------------|---------|--------------------|
| STANDARD VENTING | | |
| GG (Horiz Cat I) | 030-060 | 4" |
| | 075-120 | 5" |
| GG (Horiz Cat III) | 030-120 | 4" |
| GG (Vertical) | 030-120 | 4" |
| TF/GF | 150-250 | 5" |
| | 300-400 | 6" |
| QVEF, QVEB, QVED, QVES | 030-175 | 4" |
| | 200-250 | 5" |
| | 300-400 | 6" |
| SEPARATED COMBUSTION | | |
| CG (Horiz & Vert) | 030-075 | 4" |
| | 090-120 | 5" |
| QVSF, QVSB, QVSD | 100-175 | 4" |
| | 200-250 | 5" |
| | 300-400 | 6" |

Steam and Hot Water UNIT HEATERS



Model HS

HEADER TYPE AND SERPENTINE TYPE MODELS ARE IDEAL FOR HOT WATER INSTALLATIONS

Sterling model "HS" horizontal unit heaters are ideal for hot water installations. A wide range of outputs and airflows allows virtually unlimited flexibility in job design. Sterling model "HS" horizontal unit heaters are available in both serpentine and header type units. Serpentine units offer outputs from 8,030 to 35,900 BTU's and are ideal for hot water installations with limited clearances. Header type horizontal units range from 18,000 to 360,000 and can operate with either hot water or steam. Both units are furnished with totally enclosed motors as standard equipment, explosion proof motors are optional.

Standard Features:

- Horizontal louvers standard
- Vertical louvers optional
- Thermostats feature 'off-auto' and 'auto-fan-off'
- Copper/aluminum coils
- CSA certified
- Strap-on water control optional
- Steam pressure control optional



Model VS

VERTICAL UNIT HEATER

Sterling model "VS" vertical unit heaters are designed for installations requiring down flow air delivery. Offered in 15 sizes ranging from 41,300 to 705,000 BTU units are field convertible to low output (increased airflow) for high ceiling applications. All units are compatible with Steam or Hot Water operation.

Standard Features:

- Copper/aluminum coils
- Totally enclosed motor
- Thermostats feature 'off-auto' and 'auto-fan-off'
- Strap-on water control optional
- Steam pressure control optional
- OSHA fan guard optional
- Explosion-proof motors optional

**Also
Available
from
Sterling:**

- Cabinet Blowers
- Oil-Fired Unit Heaters
- Low Intensity Infrared Heaters
- High Intensity Infrared Heaters
- Outdoor Duct Furnaces
- Evaporative Coolers
- Air Handlers
- Gas-Fired Make-Up Air Systems



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