

770 BOILER LINE HEATER

technical specifications sheet



HEAT INTO PROCESS	241,500 - 531,300 BTU/Hour 70.7 - 155.5 kW/Hour
HEAT INTO BURNER	350,000 - 770,000 BTU 102.4 - 225.4 kW
NUMBER OF BURNERS	22
WEIGHT	2,666 lbs
OPERATING PRESSURES	-28 Hg / 10 psi
OPERATING TEMPERATURES	140°F - 233°F
STACK TEMPERATURES	275°F - 450°F
FOOTPRINT	Depends on coil and condenser configuration
POWER	Millivolt supply from thermopiles in standing pilot
SAFETIES AND RELIEF VALVES	15 psi PRV
INSULATION	2"
CLADDING	Embossed aluminum
FOUNDATION	Skid mounted
SAFETY DEVICES	Emergency ESD button
AVAILABLE COILS	2", 3", 4", 6", 8"
FUEL SUPPLY REQUIRED	800scF/hr at .5 psi

ASME Section IV Registered with CSD-1 compliant control systems
Conforms to ANSI Z21.13-2014
Certified to CSA 4.9-2014

BENEFITS AND FEATURES

The 770 unit is our most powerful single heater, and is the base building block of the bigger heaters. Multiple 770's working together can offer scalable heat to meet just about any need.

ENVIRONMENT

- » Burner and firebox configurations result in reduced exhaust stack temperatures
- » High-efficiency, low-emission burner system reduces Greenhouse Gas emissions
- » Indirect fired, thereby eliminating firetube failures
- » Low-pressure, low-volume burner system
- » Operates virtually silent
- » Requires significantly less glycol than conventional line heating systems.

ECONOMICS

- » Improved thermal and combustion efficiencies minimizing fuel consumption
- » No moving parts, reducing maintenance and down time costs

SAFETY

- » Easily accessed millivolt fuel train and temperature controls
- » Boiler installed at ground level
- » Flame failure control system
- » Indirect fired
- » Push button battery operated pilot ignition.