

# 140 BOILER LINE HEATER



## technical specifications sheet



|                            |  |
|----------------------------|--|
| HEAT INTO PROCESS          | 72,000 - 112,000 BTU/Hour<br>21 - 32.8 kW/Hour                     |
| HEAT INTO BURNER           | 90,000 - 140,000 BTU<br>26 - 41 kW                                 |
| NUMBER OF BURNERS          | 4  |
| WEIGHT                     | 480 kg / 2000 lbs  |
| OPERATING PRESSURES        | -28 Hg / 5 psi   |
| OPERATING TEMPERATURES     | 140°F - 225°F  |
| STACK TEMPERATURES         | 250°F - 450°F  |
| FOOTPRINT                  | 36" - 63" standard, but can change depending on coil configuration |
| POWER                      | Milivolt supply from thermopiles in standing pilot                 |
| SAFETIES AND RELIEF VALVES | 15 psi PSV   |
| INSULATION                 | 2"   |
| CLADDING                   | Embossed aluminum  |
| FOUNDATION                 | Skid mounted   |
| SAFETY DEVICES             | Emergency ESD button   |
| AVAILABLE COILS            | 1" Helical Spiral, 2", 3"  |
| FUEL GAS SUPPLY            | 0.5 psig (14" W.C.)  |
| FUEL SUPPLY REQUIRED       | 200scF/hr at .5 psig   |

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

This is an extremely economic base unit that features an integral design requiring a much smaller footprint.

### 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
- » Requires significantly less glycol than conventional line heating systems.

### SAFETY

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