



COMPEXX™

Compact Explosion-Proof Dry Electric Process Heater

COMPEXX™ fills the Process heating niche where 3-Phase power is available. **COMPEXX™** incorporates over 35 years of dry electric heating technology.

COMPEXX™ is intended for process heating applications requiring up to 40 kW power. The modular design allows for single- or multi-unit configurations. Utilizing electric heating elements cast “in-situ” into an Aluminum core, **COMPEXX™** eliminates the need for water/glycol and circulation pumps making this “dry design” simple and corrosion-free. The Process fluid itself is contained within a 316 SS coil also cast into the aluminum heater block. Two thermocouples control normal operation and provide over-temperature protection.



FEATURES

- Corrosion-free — seamless stainless steel tube and aluminum heat exchanger ensure “ZERO” corrosion failures
- Compact design fits easily in cabinet or small room; suitable for indoor/outdoor installation
- Perfect for any climate
- Insulated heat exchanger
- Designed to ASME Section VIII, Div 1 code
- FM Approved for use in Class I, Division 1 Group D locations
- Explosion-proof control box meets NEMA 4 requirements
- Adjustable temperature controller
- 3-Phase voltage service up to 575V
- Process and high limit thermocouples

OPTIONS

- Electropolished heat exchanger for high and ultra-high purity applications
- Threaded or flanged process connections
- Remote start

APPLICATIONS

- CNG pre-decompression heating
- LNG vaporization
- LNG trim heat (post-ambient vaporization)
- Ultra-high purity gas heating
- Anhydrous ammonia vaporization
- Methylene chloride heating/vaporization
- CO₂/N₂ vaporization
- Cryogenic applications down to -320°F



Specifications

COMPEXX™

MODEL CX20		
Voltage	Phase	kW
380	3	39
400		37
415		39
440		33
480		40
575		39

- DESIGN PRESSURE PROPERTY: 4200 PSIG (290 BARG) AT 300°F (149°C)
- MDMT: -320°F (-196°C) AT 4200 PSIG (290 BARG)
- HYDROSTATIC TEST PRESSURE: 5460 PSIG (376 BARG)
- SURFACE AREA: 3.8 ft²
- SHIPPING WEIGHT: 355 LBS. / 161 KG
- SHIPPING DIMENSIONS: 54" H X 24" W X 24" L / 1372MM H X 610MM W X 610MM L
- PROCESS CONNECTION CONFIGURATION OPTIONS: 1" TUBING; 1" FLANGE (CLASS 150-2500); 1" NPT

