

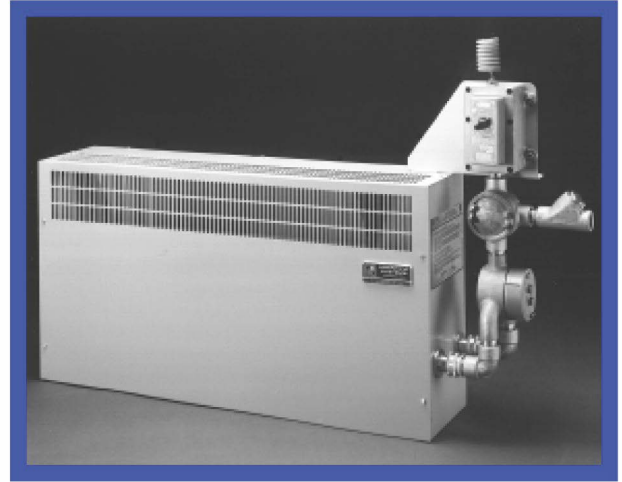


Electric Heaters

Thermostats and Humidistats

FEATURES

- For NEC Class I, Groups B, C and D and Class II, Groups E, F and G
- UL or FM Listed
- For NEC Temperature Codes T1 to T3B
- Heating Capacities from 6,140 to 119,450 BTU/HR
- Choice of Floor, Wall or Ceiling Mounted Models
- Optional Thermostats, Humidistats and Disconnects



Appearance may vary with model number and revisions

DESCRIPTION

EHXP Series Explosion Proof Electric Heaters are offered in two different series to meet most any space heating requirements.

CV Series - Convection type heaters, suitable for floor or wall installation. Capacities range from 6,140 to 25,610 BTU per hour. Thermostats and disconnects available factory installed.

LF Series - These heaters have an ethylene glycol / water mixture heat transfer medium in combination with a permanently sealed, liquid to air heat exchanger. Capacities range from 25,600 to 85,370 BTU per hour.

TCXP Thermostats, HCXP Humidistats and FDI Fused Power Disconnect Switches are offered as separate items and can be factory installed.

HOW TO SPECIFY

The following listings make it easy to select and specify heater model numbers. The selection of a heater for use in a hazardous location requires the following specifications: Class I or II, Groups B, C, D, E, F, or G and Division 1 or 2. Since there is no consistent relationship between explosive properties and ignition temperature, it is also necessary to determine the minimum gas ignition temperature (MGIT) of the ignitable vapor or dust and select the correct NEC Temperature Code Number. A partial listing of the MGIT of potentially hazardous materials and the corresponding NEC Temperature Code Number are shown in the adjacent Table.

If too high a temperature is selected, the heater may operate above the ignition point of the hazardous vapor or dust, creating a potential hazard. For additional information see NFPA 497M and Articles 500 - 502 of NFPA 70 National Electrical Code or contact our Applications Engineering department for assistance.

PARTIAL LISTING OF HAZARDOUS ATMOSPHERES

| Class Group | NEC Code No. | Minimum Gas Ignition Temperature | | Atmosphere |
|-------------|--------------|----------------------------------|----------|---------------------|
| | | °C | °F | |
| I-B | T1 | 520 | 968 | Hydrogen |
| I-D | T1 | 630 | 999 | Methane |
| I-D | T1 | 498 | 928 | Benzene |
| I-D | T1 | 480 | 896 | Toluene |
| I-D | T1 | 472 | 882 | Vinyl Chloride |
| I-D | T1 | 472 | 882 | Ethane |
| I-D | T1 | 465 | 869 | Acetone |
| I-D | T1 | 450 | 842 | Propane |
| I-D | T1 | 404 | 759 | Methyl Ethyl Ketone |
| I-D | T2 | 402 | 756 | Vinyl Acetate |
| I-D | T2 | 399 | 750 | 2-Propanol (IPA) |
| I-D | T2 | 350 | 662 | Methyl Ether |
| I-A | T2 | 305 | 581 | Acetylene |
| I-D | T2A-T1 | 280-471 | 536-880 | Gasoline |
| I-D | T2A | 288 | 550 | Butane |
| I-D | T2A | 288 | 550 | N-Decanol |
| I-D | T2B | 277 | 531 | Naptha (Coal Tar) |
| I-C | T2B | 260 | 500 | Hydrogen Sulfide |
| I-D | T2C | 243 | 470 | Pentane |
| I-D | T2D | 225 | 437 | Hexane |
| I-D | T3 | 210 | 410 | Kerosene |
| I-D | T3 | 206 | 403 | Octane |
| I-C | T3C | 160 | 320 | Diethyl Ether |
| II-E | T2C-T1 | 240-830 | 464-1526 | Metal Powders |
| II-G | T2 | 380 | 716 | Polyethylene Powder |
| II-G | T2C-T3A | 190-250 | 374-482 | Grain Dust** |
| II-G | T3A | 180 | 356 | Charcoal |
| II-G | T3B | 170 | 338 | Coal (Pittsburgh) |

* If more than 8% volatiles the classification is II-F.

** Group includes Corn, Cottonseed Meal, Rice, Wheat and Flour.



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