



**THERMAL
PRODUCTS** INC.
Engineered Solutions To
Industrial Applications

INDEECO®

Indeeco's Ultra-Safe™ EXP explosion-proof unit heater is designed with both safety and versatility in mind.

Product Highlights

Optional Wet Location Features

- Washable per IP55
- IP55 Motor
- Type 4 outdoor rated enclosure and optional features
- Meets Rain-Tight requirements of UL 1004-1

Standard Safety Features

- Industry's lowest ignition temperature code rating: T3C, 320°F (160°C)
- Dual overtemperature protection
- Low 70 PSIG relief valve setting

Performance Features

- Wattages up to 30 kW
- Voltages up to 600 V 60 Hz, 415 V 50 Hz
- Air volumes up to 3850 CFM (6541 cubic meter/hr)
- Air throws up to 75 ft (22.8 m)

Industry Applications

- Coal Processing and Storage Areas
- Sewage Pump Stations
- Wastewater Treatment Plants
- Oil Refineries
- Petrochemical Plants
- Hazardous Waste Storage Facilities
- Chemical Storage
- Natural Gas Compressor Stations
- Hazardous Located Crew Buildings
- Paint Storage Areas
- Indoor Bus and Truck Refueling Areas
- Truck Weigh Scales



Class I, Divisions 1 and 2, Groups C and D
Class II, Divisions 1 and 2, Groups E, F, and G
Class I, Zones 1 and 2, Group IIB



Our products do more in a wide range of applications. **Expect More.**

Factory Built-In Options

Code	Option	Description
C1	316 Stainless Steel Corrosion-Resistant Construction (Waste Water Treatment Plants)	316 Stainless steel heat exchanger with aluminum fins, 316 stainless steel cabinet; aluminum fan blade; cast aluminum NEMA 7, 9 control enclosure; corrosion-resistant hardware; corrosion-resistant protective coated motor, which has passed the ASTM B117 salt-spray test.
C2	Dirty Duty Corrosion-Resistant Construction (Chemical Plants)	Heresite® coated heat exchanger, cabinet and fan blade; cast aluminum NEMA 7, 9 control enclosure; corrosion-resistant hardware; corrosion-resistant protective coated motor which has passed the ASTM B117 salt-spray test.
D	Disconnect Switch	Factory installed on the unit heater above the control enclosure. This is an inexpensive and positive way to meet NEC/CEC requirements for a disconnecting means within sight of the heater.
E	Group E (Metal Dust) Construction	Class II, Group E (Metal Dust) Construction Temperature Code T3C, 320°F (160°C). Not available with wet location construction (option W) or 600V.
K	"Warning" Pilot Light	Indicates when the thermal cutouts have tripped and the unit heater needs servicing.
L	"Heater On" Pilot Light	Indicates when the electric heating elements are energized.
M	Manual Reset Thermal Cutout with Backup Contactor	A pilot duty manual reset thermal cutout with a backup contactor is provided for independent secondary overtemperature protection. This option cannot be provided if option Code S or V are also specified.
S	Auto/Fan Selector Switch	A two-position switch wired to the control circuit for auto (automatic heat) and fan only control. This selector switch cannot be provided if option Code M or V are also specified.
S1	Built-In Controls for Remote Auto/Fan Selector Switch	Unit is prewired for field addition of remote auto/fan selector switch. This option cannot be provided if Code M or V are also specified.
T	Adjustable Thermostat	Factory installed and prewired to the control enclosure. Thermostat is adjustable from 50° to 90°F (10° to 32°C) range.
T1	Adjustable Thermostat for Wet Locations	Factory installed and prewired to the control enclosure. Thermostat is adjustable from 40° to 80°F (5° to 25°C) range. Can be specified for all constructions.
V	120 Volt Control Circuit	Can be provided when required for special external thermostat circuit. This option cannot be provided if option Code S or M are also specified. Nor can both K and L be specified.
W	Wet Location Construction Features – IP55	Heater construction suitable for IP55 wet locations. Requires either dirty duty corrosion-resistant or 316 stainless steel corrosion-resistant construction option.

Got tough questions?
 Indeeco can get you to
 the best answers fast.
 Ask **More.**