Convector

Applications

Chemical Plants

Battery Storage Areas

Coal Handling Facilities

• Gasoline Fueling/Storage Areas

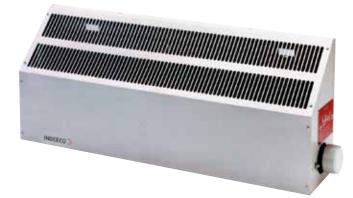
· Paint Spraying/Storage Areas

Petrochemical Plants

• Dry Cleaning Plants

Grain Elevators

• Oil Refineries





Class I, Divisions 1 and 2, Groups B, C and D Class II, Divisions 1 and 2, Groups E, F and G Class I, Zones 1 and 2, Groups IIB and H2

Indeeco's explosion-proof convector is designed to provide a heavy duty and corrosion resistant heat source. Features include:

- Wide Selection of Sizes: Four compact sizes to fit any space with ratings from 500 to 9,500 watts.
- · Sloped Top Cabinet: Prevents objects from being set on top of the convector, which can restrict airflow and cause overheating.
- Single and Three-Phase: Unique design provides single and balanced three-phase loads in a single element.
- Gas and Dust Atmospheres: Three listings cover the entire field, two for hazardous gases and vapors and one for dust particles.
- Wet Locations: All unit sizes available with iriditecoated elements and powder-coated frames for NEMA 3 wet locations.

Standard Construction Features

Element - Grade A Nickel-Chromium heating coils are insulated with ceramics and magnesium oxide from the copper heater tube and fitted with large aluminum fins locked in place.

Cabinet - Heavy gauge galvanized steel cabinet is painted with a beige powder coat for durability. Cabinet should be mounted at least 6 inches (152 mm) above the floor. Factory-furnished wall brackets make installation easy.

Thermal Protection - A linear limit, automatic reset thermal cutout is built into every unit.

Complete Electrical Package – For larger single-phase and all three-phase units, a built-on contactor and transformer option package are available.



Convector

Electrical Package Options

All single-phase heaters rated over 22 amps or 277 volts and all three-phase heaters require a magnetic contactor. Some electrical combinations will also require a control transformer.

To simplify field installation, these accessories are factory-mounted on the heater cabinet and factory pre-wired (not available on Size 1 convectors).

Code	Option	Description	Availability Code (2)		
B2	Electric Control Option (1) (without thermostat)	Classes I and II, Groups B, C, E, D, F and G includes contactor and transformer (as required). Required for all three-phase and single-phase heaters over 22 amps or 277 volts	AS		
B2S1	Thermostat & Controls (1)	Classes I and II, Groups C, D, E, F and G includes thermostat, contactor and transformer (as required).			
B3	Thermostat & Controls (Group B) (1)	Classes I and II, Groups B, C, D, E, F and G includes thermostat, contac- tor and transformer (as required). Thermostat has internal set point.			
S1	Classes I and II, Groups C, D, E, F and G single-phase heaters rated up to 22 amps at 120-277 volts. Use remote room thermostat Catalog Number 1007002 for Size 1 convectors.		AS		
S2	Classes I and II, Groups B, C, D, E, F and G single-phase heaters rated up to 22 amps at 120-277 volts. Thermostat has internal set point. Use remote room thermostat Catalog Number 1024754 for Size 1 convec- tors.		AS		

(1) These options are not available on Size 1 Convectors.

Custom Option

Code	Option	Description	Availability Code (2)
C1	Wet Locations	Type 3 rated construction. Includes Iridite coated element assembly and gasketed terminal box. Not available with options B2/S1, S1, or S2.	с
C2	Corrosive-Resistant Stainless Steel Construction	Type 3 rated construction with addition of stainless steel cabinet. In- cludes Iridite coated element assembly and gasketed terminal box. Not available with options B2/S1, S1, or S2. ONLY the cabinet is upgraded to stainless steel.	С

(2) AS = Assembly Stock, C = Custom. Assembly Stock heaters ordered with custom options are subject to longer delivery.

Accessory Remote Thermostat

Catalog Number	Switch Type	Description	Туре	Ratings	Temp. Range °F (°C)	Availability Code
1007002	Bimetal	Class 1, Div. 1, Groups C & D Class II, Div. 1, Groups E, F, & G	SPDT	125-277V, 22A	50-90 (10-32)	
1024754	Bulb and Capillary with Internal Set Point Adjustment	Class 1, Div. 1, Groups B, C & D Class II, Div. 1, Groups E, F, & G	SPDT	120-240V, 25A 277V, 22A	40-120 (5-49)	AS
1025396	Bulb and Capillary with Internal Set Point Adjust- ment	Corrosion-Resistant Class 1, Div. 1, Groups B, C, & D Class II, Div. 1, Groups E, F & G	SPST	120-240V, 25A 277V, 22A	40-120 (5-49)	

