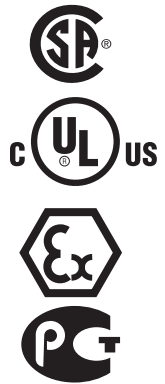
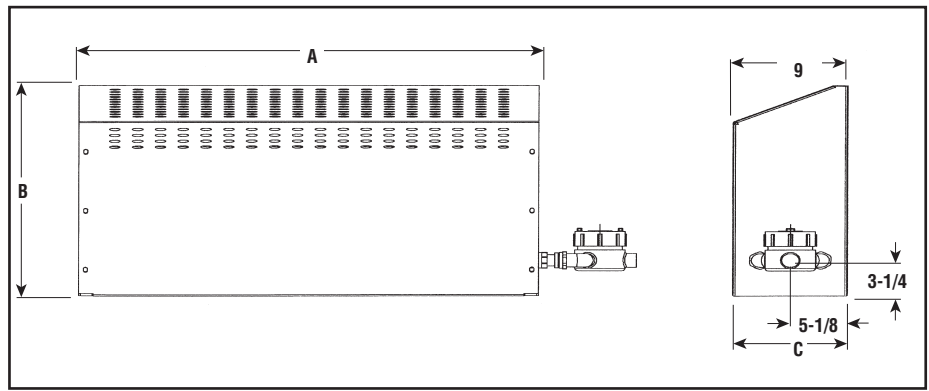


CVEP Explosion Proof Convection Heater

- 1.6 - 9 kW
- 5,459 - 30,708 Btuh
- 120, 208, 240, 277, 480 and 575 Volt
- 1 & 3 Phase
- Built-in & Prewired Control Options
- UL Listed and CSA Certified for Class 1, Division 1 or 2, Group B, C & D Environments
- ATEX and GOST Models Available



Dimensions (Inches)



Description

Type CVEP explosion proof convection heater is designed to provide a rugged, corrosion-resistant heat source for areas where volatile flammable liquids, gases or vapors are present. All basic models without controls are UL listed and CSA certified for use in areas designated as Class 1, Division 1 or 2 Group B, C or D locations.

Applications

- Petroleum Refineries, Gasoline Storage and Dispensing Areas
- Industrial Areas Using Flammable Liquids in Dip Tanks
- Petroleum Refineries
- Dry Cleaning Plants
- Utility and Natural Gas Plants
- Aircraft Hangers/Fueling Areas
- Solvent Extraction Plants
- Storage Areas for Flammable Products or Batteries
- Sewage Treatment Plants
- Hydrogen Atmospheres

Refer to
WR-80EP
in the Controls section.

Dimensions (Inches)

kW	A	B	C
1.6, 1.8 and 3.6	34	20	9
3.2 and 7.6	58	20	9
4.0, 4.5 and 9.0	70	20	9

Construction

Cabinet — Sloped top, constructed of heavy 16 gauge steel, polyester powder coated for maximum corrosion resistance.

Explosion Proof Junction Box — For conduit entry and ease of power wiring.

Heating Elements — Sealed, metal sheath, heavy-duty, low watt density, enclosed high grade resistance wire embedded in MgO refractory core. Elements are inserted in a copper tube with aluminum fins.

Features

Integral Mounting Brackets allow for easy wall installation.

Sloped Top Cabinet ensures maximum ventilation by preventing objects from being placed on the top which would restrict air flow.

Designed for Areas Classified

- Class I, Division 1 or 2, Groups B, C, D
- Temperature Code T3A 180°C (356°F) or T2A 280°C (536°F)
- Ex II2G Ex d IIB T2-T3

Optional Features (Factory Installed)

- Thermostat
- Magnetic Contactor
- Control Voltage Transformer

Advantages

- Easy Installation
- Clean, Safer Heat Source
- Pre-Wired Control Options
- Long Life

CVEP

Explosion Proof Convection Heater

(cont'd.)

Ordering Information

To Order — Complete the Model Number using the Matrix provided.

Power & Temp. Control Options

Power Control Combination	Thermostat Option	Figure Number
00	00	1
00	40 ¹	5
00	42 ²	2
30 - 35	00	4
30 - 35	40	5
30 - 35	42	3

¹ Thermostat option: 40
 Temperature range: 40° - 90° F
 Electrical Rating: 25 Amp 24V, 120V, 240V AC 22 Amp 277 VAC
 Higher Voltage or 3 phase requires magnetic contactor option and transformer

² Thermostat option: 42
 Temperature range: 50° - 90° F
 Electrical Rating: 22 Amps 125/277 VAC
 Higher Voltage or 3 phase requires magnetic contactor option and transformer

Model Explosion Proof Convection Heater

CVEP

Code Watts

16	1600	40	4000
18	1800	45	4500
32	3200	76	7600
36	3600	90	9000

Code Voltage

1	120	6	575
2	240	7	277
3	380	8	208
4	480	9	600
5	415		

Code Phase

1	Single
3	Three

Code Power Control Options (See Options Table)

00	no transformer no contactor
30	(24V) transformer and contactor
31	no transformer with contactor(24V)
32	(120V) transformer and contactor
33	no transformer with contactor(120V)
34	no transformer with contactor(208/240V)
35	no transformer with contactor(277V)

Code Thermo/Class Options (See Options Table)

00	no thermo B, C & D
40	thermo in box B, C & D
42	thermo C & D

CVEP 16 1 1 30 42 Typical Model Number

CE approved models available. Contact your Chromalox representative.

Dimensions (Inches)

Figure 1

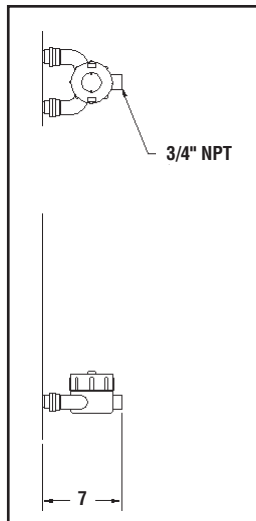


Figure 2

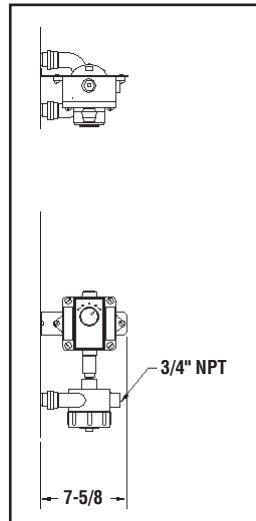


Figure 3

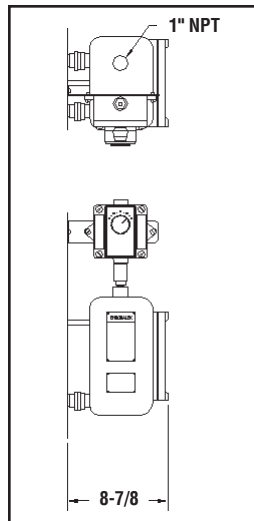


Figure 4

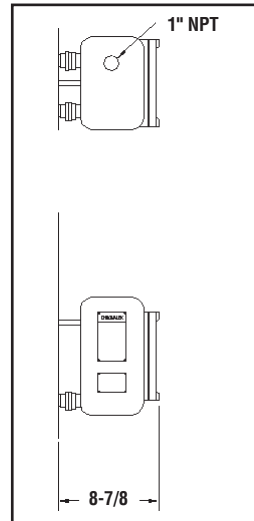


Figure 5

