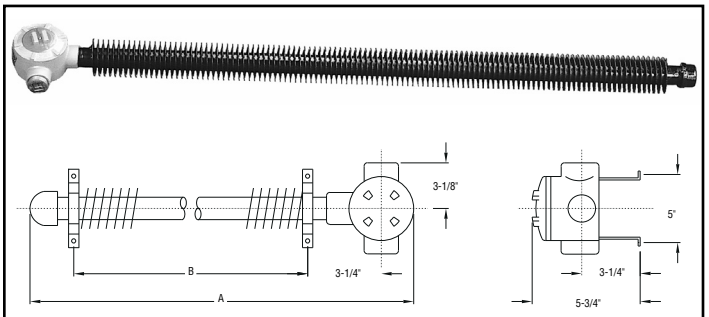
Chromalox®

Installation, Operation
and
MAINTENANCE

SERVICE REFERENCE	
DIVISION 4	SECTION FPEP/CEP
SALES REFERENCE (Supersedes PF472-1)	PF472-2
	161-506131-001
DATE MARCH, 1999	

Type FPEP/CEP
Single/Double Element Heater For Hazardous Locations

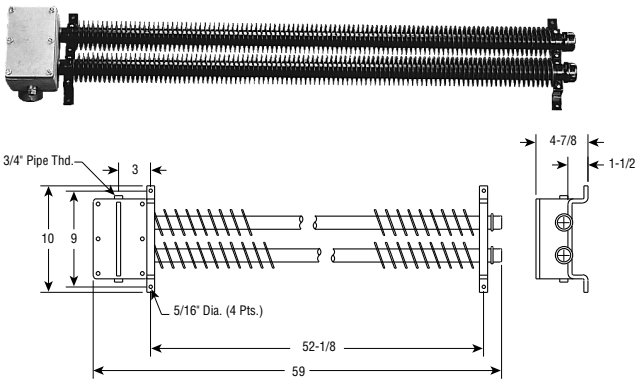
FPEP —



Class I, Groups C and D, Div. 1 & 2
Class II, Groups E, F and G, Div. 1 & 2
Class III

Temp. Code T3B
Not to be installed where vapors or gases having an ignition temp. less than 165˚C are present.
Not to be operated in ambient temperatures exceeding 40˚C.

CEP-15 —



Class I, Group D, Div. 1 and 2
Class II, Groups E, F and G, Div. 1 and 2
Temp. Code T3B
Not to be installed where vapors or gases having an ignition temp. less than 165˚C are present.
Not to be operated in ambient temperatures exceeding 40˚C.

Specifications –

Model	Volts	Phase	Watts	BTUH	Length (In.)		Wt.	Stock	PCN
					A	B			
FPEP-200211	120	1	200	683	21 5/8	14	14.0	NS	350000
FPEP-400211	120	1	400	1365	34 1/2	26 7/8	19.0	NS	350019
FPEP-500211	120	1	500	1706	40 1/8	32 1/2	24.0	NS	350043
FPEP-750211	120	1	750	2559	57 7/8	50 1/4	34.0	NS	350078
FPEP-1000211	120	1	1000	3412	73 7/8	66 1/4	41.0	NS	350107
FPEP-400221	208	1	400	1365	34 1/2	26 7/8	19.0	NS	350027
FPEP-500221	208	1	500	1706	40 1/8	32 1/2	24.0	NS	350051
FPEP-750221	208	1	750	2559	57 7/8	50 1/4	34.0	NS	350086
FPEP-1000221	208	1	1000	3412	73 7/8	66 1/4	41.0	NS	350115
FPEP-400231	240	1	400	1365	34 1/2	26 7/8	19.0	NS	350035
FPEP-500231	240	1	500	1706	40 1/8	32 1/2	24.0	NS	350060
FPEP-750231	240	1	750	2559	57 7/8	50 1/4	34.0	NS	350094
FPEP-1000231	240	1	1000	3412	73 7/8	66 1/4	41.0	NS	350123
CEP-15C11	120	1	1500	5118	59	52 1/8	66.0	S	350131
CEP-15C21	208	1	1500	5118	59	52 1/8	66.0	S	350140
CEP-15C31	240	1	1500	5118	59	52 1/8	66.0	S	350158
CEP-15C41	277	1	1500	5118	59	52 1/8	66.0	NS	350166
CEP-15C71	480	1	1500	5118	59	52 1/8	66.0	S	350174
CEP-15C81	600	1	1500	5118	59	52 1/8	66.0	S	350182

GENERAL

1. Heaters are to be mounted a minimum of 24 inches above the floor in a horizontal position.
2. Heaters may be positioned with the terminal box at either end.
3. Do not install one unit above another.
4. Do not block or cover heaters in any manner which may obstruct free air flow.
5. Do not recess units into the wall.
6. If heaters are repainted, use only a high heat resistant paint, capable of withstanding a temperature of 1000˚F (538˚C).
7. All control devices, when required, must also be explosion proof unless located remote from the hazardous location.

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INSTALLATION

WARNING: ***Hazard of Electric Shock. Disconnect all power before installing heater.***

WARNING: ***Hazard of Electric Shock. Any installation involving electric heaters must be effectively grounded in accordance with the National Electrical Code to eliminate shock hazard.***

1. Check to ensure that supply voltage is the same as the voltage marked on heater nameplate.
2. Mount heaters securely on wall, using suitable hardware. Mounting brackets are located at the ends of the element(s) on unfinned portions.
3. Electric wiring to heater must be installed in accordance with the National Electrical Code and with local codes by a qualified person. **WARNING:** ***Use copper conductors only.***
4. Wire heater as per wiring diagram located in the terminal box. Use wires suitable for at least 75˚C (167˚F) for FPEP heaters and least 90˚C (194˚F) for CEP-15 heaters.
5. Before sealing enclosure with cover, ensure that all foreign particles are removed from enclosure and joints.

MAINTENANCE

WARNING: Hazard of Severe Shock. Disconnect all power to heater before servicing.

1. Periodically and before each heating season, clean the fins with compressed air or vacuum.

REPLACEMENT PARTS

Element is not field serviceable. It is then necessary to ship to factory for repair.

Limited Warranty:
Please refer to the Chromalox limited warranty applicable to this product at http://www.chromalox.com/customer-service/policies/termsofsale.aspx.

Chromalox®
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