



**General Characteristics of FEP Series Single Phase Hazardous Location Wall Convectors**

The FEP Series is designed for rugged industrial applications in hazardous locations where the possibility of explosions or fire exists due the presence of certain flammable gases, vapors, powdered metals or dust.

For Industrial and commercial use.

For indoor use only.

Wall mounting bracket is supplied.

Bottom in – Front out air flow.

These units cannot be operated in room ambients exceeding 104°F (40°C).

Made with heavy duty 16 gauge steel with gray epoxy textured powder coated finish.

9" minimum clearance from bottom of heater to floor is required.

Stainless steel cartridge element inserted into aluminum finned copper sheath.

The standard unit (without EPET thermostat or control section) is NEMA 4 rated.

Note: Products listed in this section are custom built and subject to 100% cancellation/restocking charge.

This item is ETL-CETL Listed

Made in the U.S.A.



**Product Applications of FEP Series Single Phase Hazardous Location Wall Convectors**

For use in places such as warehouses, construction sites, petroleum plants, pulp mills, flour mills pump houses or mine sites or where ever the possibility of explosions or fires exist.

Used for industrial and commercial use.

Is and indoor product.

**Warranty Industrial of FEP Series Single Phase Hazardous Location Wall Convectors**

Manufacturer's Warranty: 1 year.

**Specific Characteristic of FEP Series Single Phase Hazardous Location Wall Convectors**

T-2A Series Single Phase  
 Class 1, Group B, C & D Division 1 & 2 280° C / 536° F

Item #	Manufacturing #	Watts W	BTU's	Volts V	Amperes A	Weight and Dimensions with packaging	
						Lbs.	L,W,H In.
<b>USFEP-001</b>	FEP-1812-1RA	1800	6143	120	15.0	52	11,36,20
<b>USFEP-002</b>	FEP-1820-1RA	1800	6143	208	8.7	52	11,36,20
<b>USFEP-003</b>	FEP-1824-1RA	1800	6143	240	7.5	52	11,36,20
<b>USFEP-004</b>	FEP-1827-1RA	1800	6143	277	6.5	52	11,36,20
<b>USFEP-005</b>	FEP-1848-1RA	1800	6143	480	3.8	52	11,36,20
<b>USFEP-006</b>	FEP-3620-1RA	3600	12286	208	17.3	56	11,36,20
<b>USFEP-007</b>	FEP-3624-1RA	3600	12286	240	15.0	56	11,36,20
<b>USFEP-008</b>	FEP-3627-1RA	3600	12286	277	13.0	56	11,36,20
<b>USFEP-009</b>	FEP-3648-1RA	3600	12286	480	7.5	56	11,36,20



Item #	Manufacturing #	Watts W	BTU's	Volts V	Amperes A	Weight and Dimensions with packaging	
						Lbs.	L,W,H In.
USFEP-010	FEP-3657-1RA	3600	12286	600	6.0	56	11,36,20
USFEP-011	FEP-3820-1RA	3800	12969	208	18.3	82	11,60,20
USFEP-012	FEP-3824-1RA	3800	12969	240	15.8	82	11,60,20
USFEP-013	FEP-3827-1RA	3800	12969	277	13.7	82	11,60,20
USFEP-014	FEP-3848-1RA	3800	12969	480	7.9	82	11,60,20
USFEP-015	FEP-7620-1RA	7600	25938	208	36.5	87	11,60,20
USFEP-016	FEP-7624-1RA	7600	25938	240	31.7	87	11,60,20
USFEP-017	FEP-7627-1RA	7600	25938	277	27.4	87	11,60,20
USFEP-018	FEP-7648-1RA	7600	25938	480	15.8	87	11,60,20
USFEP-019	FEP-7657-1RA	7600	25938	600	12.7	87	11,60,20

**Specific Characteristic of FEP Series Single Phase Hazardous Location Wall Convectors**

T-3A Series Single Phase  
 Class 1, Group B, C & D Division 1 & 2 180° C / 356° F

Item #	Manufacturing #	Watts W	BTU's	Volts V	Amperes A	Weight and Dimensions with packaging	
						Lbs.	L,W,H In.
USFEP-020	FEP-0812-1RA	800	2730	120	6.7	52	11,36,20
USFEP-021	FEP-0820-1RA	800	2730	208	3.8	52	11,36,20
USFEP-022	FEP-0824-1RA	800	2730	240	3.3	52	11,36,20
USFEP-023	FEP-0827-1RA	800	2730	277	2.9	52	11,36,20
USFEP-024	FEP-0848-1RA	800	2730	480	1.7	52	11,36,20
USFEP-025	FEP-1612-1RA	1600	5460	120	13.3	56	11,36,20
USFEP-026	FEP-1620-1RA	1600	5460	208	7.7	56	11,36,20
USFEP-027	FEP-1624-1RA	1600	5460	240	6.7	56	11,36,20
USFEP-028	FEP-1627-1RA	1600	5460	277	5.8	56	11,36,20
USFEP-029	FEP-1648-1RA	1600	5460	480	3.3	56	11,36,20
USFEP-030	FEP-1657-1RA	1700	5802	600	2.7	82	11,60,20
USFEP-031	FEP-1712-1RA	1700	5802	120	14.2	82	11,60,20
USFEP-032	FEP-1720-1RA	1700	5802	208	8.2	82	11,60,20
USFEP-033	FEP-1724-1RA	1700	5802	240	7.1	82	11,60,20
USFEP-034	FEP-1727-1RA	1700	5802	277	6.1	87	11,60,20
USFEP-035	FEP-1748-1RA	1700	5802	480	3.5	87	11,60,20
USFEP-036	FEP-3420-1RA	3400	11604	208	16.3	87	11,60,20
USFEP-037	FEP-3424-1RA	3400	11604	240	14.2	87	11,60,20
USFEP-038	FEP-3427-1RA	3400	11604	277	12.3	87	11,60,20
USFEP-039	FEP-3448-1RA	3400	11604	480	7.1	87	11,60,20
USFEP-040	FEP-3457-1RA	3400	11604	600	5.7	87	11,60,20



**Dimensions (In.) of FEP Series Single Phase Hazardous Location Wall Convertors**

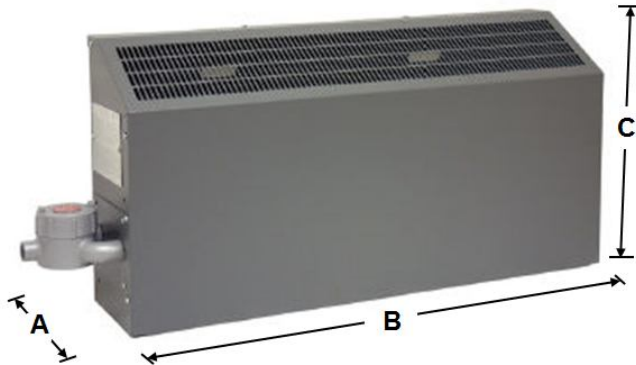
T-2A Series Single Phase  
 Class 1, Group B, C & D Division 1 & 2 280° C / 536° F

Series	Length A	Width B	Height C
USFEP-001 to 010	9"	34"	18"
USFEP-011 to 019	9"	58"	18"

**Dimensions (In.) of FEP Series Single Phase Hazardous Location Wall Convertors**

T-3A Series Single Phase  
 Class 1, Group B, C & D Division 1 & 2 180° C / 356° F

Series	Length A	Width B	Height C
USFEP-020 to 029	9"	34"	18"
USFEP-030 to 040	9"	58"	18"





## FEP Series Single Phase Hazardous Location Wall Convectors

### Ratings Definitions

**CLASS I:** Equipment does not have surface operating temperature in excess of the ignition temperature of the specific gas or vapor.

Application Examples:

- Offshore and land based drilling rigs, petroleum exploration and testing facilities.
- Petroleum refineries, gasoline storage and dispensing areas.
- Industrial firms that use flammable liquids in dip tanks for parts cleaning or other operations.
- Petrochemical companies that manufacture chemicals from gas or oil.
- Dry cleaning facilities where vapors from cleaning fluids may be present.
- Aircraft hangers and fuel servicing areas.
- Utility gas plants and operations involving storage and handling of liquefied petroleum or natural gas.

**GROUP C:** Atmospheres such as but not limited to acetaldehyde, allyl alcohol, hydrogen sulfide, ethylene, carbon monoxide, or other gases or vapors of equivalent hazard.

**GROUP D:** Atmospheres such as but not limited to acetone, alcohol, gasoline, lacquer solvent vapors, natural gas, propane or other gases or vapors of equivalent hazard.

**CLASS II:** Equipment does not have surface temperature greater than the ignition temperature of the specified dust.

Application Examples:

- Coal preparation plants and other carbon handling or processing areas.
- Grain elevators, flour and feed mills.
- Plants which manufacture, use or store Magnesium or Aluminum powders.
- Plants that have chemical or metallurgical processes.
- Producers of starch products or candy.
- Spice grinding plants, sugar plants and cocoa plants.

**GROUP E:** Atmosphere containing combustible metal dust regardless of resistivity, or other combustible dust of similar hazard characteristics having resistivity of less than  $10^5$  OHM- centimeter.

**GROUP F:** Atmosphere containing carbon black, charcoal, coal or coke dust.

**GROUP G:** Atmospheres containing combustible dust having resistivity of  $10^5$  OHM- centimeter or greater.

**DIVISION I:** A location in which ignitable concentrations of flammable material exist under normal operating conditions.

**DIVISION II:** Locations in which flammable materials will normally be confined within closed containers and escape only in the case of accidental rupture, breakdown or during maintenance operations. Any equipment approved for Division I is automatically also approved for Division II.



Short Description of FEP Series Single Phase Hazardous Location Wall Convectors

Item #	Manufacturing #	Short Description 70 Characters Maximum
	1234567890123456789012345678901234567890123456789012345678901234567890	
<b>USFEP-001</b>	FEP-1812-1RA	1800W, 6143 BTU's, 120V, 15.0A, T-2A Series, Single Phase.

SEO Table of FEP Series Single Phase Hazardous Location Wall Convectors

Title
TPI FEP Series Single Phase Hazardous Location Wall Convectors.
Meta Description
TPI FEP Series Single Phase Hazardous Location Wall Convectors Series for Commercial Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Industrial Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Indoor Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Use Where Explosions May Exist, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Use Where Fires May Exist, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Combustible Environment Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Hazardous Location Use.
Meta Key Words
TPI FEP Series Single Phase Hazardous Location Wall Convectors Series for Commercial Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Industrial Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Indoor Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Use Where Explosions May Exist, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Use Where Fires May Exist, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Combustible Environment Use, TPI FEP Series Single Phase Hazardous Location Wall Convectors for Hazardous Location Use.
Meta URL (file name)
tpi-fep-series-single-phase-hazardous-location-wall-convectors-us-english.htm

Product Line Description of FEP Series Single Phase Hazardous Location Wall Convectors

<FONT Size=1> <b>Product Description:</b> TPI FEP Series Single Phase Hazardous Location Wall Convectors  <b>Weather Rating:</b> Indoor  <b>Watts:</b> 1800 to 7600W  <b>BTU's:</b> 6143 to 25938BTUs  <b>Voltage:</b> 120, 208,240, 277, 480 or 600V  <b>Amperes:</b> 15.0 to 36.5A  <b>Product Type:</b> TPI FEP Series Single Phase Hazardous Location Wall Convectors  <b>Usual Delivery Time or Lead Time:</b> 2 to 8 weeks pending  </FONT>
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