SEU – X-PRO

EXPLOSION-PROOF UNIT HEATER

X-PRO SÉRIE/SERIES



Mounting bracket sold separately

3 YEAR WARRANTY

A SAFE WAY TO HEAT

The explosion-proof unit heater from Stelpro's X-pro series is the proven choice for hazardous locations at risk of fire or explosion due to the presence of flammable and hazardous substances. Available with an array of characteristics and options, this explosion-proof unit heater is designed with both safety and versatility in mind.

- **STAINLESS STEEL BURST DISC PRESSURE RELIEF DEVICE**
  LEAK-FREE UNDER NORMAL OPERATING CONDITIONS FOR ADDED RELIABILITY
- **HEATING ELEMENT DELIVERS UP TO 45% HIGHER TEMPERATURE RISE COMPARED TO COMPETITORS**
  MAXIMIZED PERFORMANCE FOR DEMANDING ENVIRONMENTS
- **LOW-VOLTAGE WALL-MOUNTED ELECTRONIC THERMOSTAT**
  SAFER AND MORE PRECISE TEMPERATURE CONTROL
- **OPTIONAL CORROSION-RESISTANT HERESITE COATING**
  ADDED PROTECTION IN HARSH OR HUMID ENVIRONMENTS
- **DURABLE, EASY-TO-OPEN PACKAGING FOR JOBSITE USE**
  ENSURES THE UNIT IS FUNCTIONAL AND READY TO INSTALL—EVERY TIME

IDEAL FOR:

HAZARDOUS ENVIRONMENTS* SUCH AS:
Aircraft hangar / service area, chemical storage-handling area, coal preparation plant, compressor station, grain elevator, oil refinery and rig, paint storage area, petrochemical plant, sewage pumping station / treatment plant, paint-spraying booth.

COLOR
- Standard: yellow

FINISH
- Standard: epoxy/polyester powder paint

VOLTAGE
- 208V, 240V, 480V, 600V, 1 or 3-phase

MANUFACTURING
- 14-gauge steel cabinet
- Adjustable anodized aluminum louvers
- Cast aluminum control and element enclosure lids NEMA Type 7 and 9 with O-ring
- Fan Guard: multiple horizontal stiffening wires
- Stainless steel high temperature pressure relief device
- Two high-limit temperature controls: one with automatic reset and one with manual reset

MOTOR
- Explosion-proof, thermally protected, permanently lubricated ball bearing motor
- 3 to 20kW: 1/4 HP, 1725 rpm.
- 25 to 35kW: 1/2 HP, 1725 rpm.

CLASSIFICATION
- Class I, Divisions 1 and 2, Groups C and D
- Class II, Divisions 1 and 2, Groups F and G
- Temperature code: T3B (5 to 30kW), T3A (3/35kW)
- Class I, Zones 1 & 2 , Groups IIA & IIB, T3

TEMPERATURE CODE
- Division System: 5 to 30kW = T3B 165 °C (329 °F), 3kW/35kW = T3A 180 °C (356 °F)
- Zone System: T3 200 °C (392 °F)

TEMPERATURE LIMITATIONS
- Ambient temperature: -40 °C to 40 °C (-40 °F to 104 °F)
- Maximum altitude: 3048 m (10 000 ft.) above sea level

HEAT EXCHANGER
- High grade metal-sheathed elements fins with ethylene glycol/water solution
- Long-life, low watt density
- Evacuated and sealed, carbon steel tube core with 10 aluminum fins per inch

CONTROL
- Control circuit 120VAC or 24VAC (required for use with electronic thermostat)
- Optional built-in or wall thermostat (bi-metal or electronic)
- Optional built-in or wall disconnect switch

INSTALLATION
- Wall, ceiling or pole installation using mounting brackets (not included; see the accessories table)

WARRANTY
- Three years

* Consult your process engineer to determine the appropriate division, group and temperature code needed for your application.

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STELPRO

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TECHNICAL SPECIFICATIONS

120V CONTROL	24V CONTROL	POWER	VOLTAGE	PHASE	AMPERAGE	AIR FLOW	THROW DISTANCE	MOTOR	APPROX. AIR TEMPERATURE RISE	WEIGHT
CODE	CODE	KW	V		AMP	PCM	M / FT	HP	C / F	KG / LB
SEU-0381-C120	**SEU-0381-C24**	3	208	1	14.4	350	4 / 13	1/4	18.0 / 32.2	58.5 / 129
SEU-0383-C120	**SEU-0383-C24**	3	208	3	8.3	350	4 / 13	1/4	18.0 / 32.2	58.5 / 129
SEU-0321-C120	**SEU-0321-C24**	3	240	1	12.5	350	4 / 13	1/4	18.0 / 32.2	58.5 / 129
SEU-0323-C120	**SEU-0323-C24**	3	240	3	7.2	350	4 / 13	1/4	18.0 / 32.2	58.5 / 129
SEU-0353-C120	**SEU-0353-C24**	3	480	3	3.6	350	4 / 13	1/4	18.0 / 32.2	58.5 / 129
SEU-0363-C120	**SEU-0363-C24**	3	600	3	2.9	350	4 / 13	1/4	18.0 / 32.2	58.5 / 129
SEU-0581-C120	**SEU-0581-C24**	5	208	1	24	400	4.6 / 15	1/4	24.5 / 44.0	58.5 / 129
SEU-0583-C120	**SEU-0583-C24**	5	208	3	13.9	400	4.6 / 15	1/4	24.5 / 44.0	58.5 / 129
SEU-0521-C120	**SEU-0521-C24**	5	240	1	20.8	400	4.6 / 15	1/4	24.5 / 44.0	58.5 / 129
SEU-0523-C120	**SEU-0523-C24**	5	240	3	12	400	4.6 / 15	1/4	24.5 / 44.0	58.5 / 129
SEU-0553-C120	**SEU-0553-C24**	5	480	3	6	400	4.6 / 15	1/4	24.5 / 44.0	58.5 / 129
SEU-0563-C120	**SEU-0563-C24**	5	600	3	4.8	400	4.6 / 15	1/4	24.5 / 44.0	58.5 / 129
SEU-0781-C120	**SEU-0781-C24**	7.5	208	1	36.1	600	6.7 / 22	1/4	23.7 / 42.5	58.5 / 129
SEU-0783-C120	**SEU-0783-C24**	7.5	208	3	20.8	600	6.7 / 22	1/4	23.7 / 42.5	58.5 / 129
SEU-0721-C120	**SEU-0721-C24**	7.5	240	1	31.3	600	6.7 / 22	1/4	23.7 / 42.5	58.5 / 129
SEU-0723-C120	**SEU-0723-C24**	7.5	240	3	18.1	600	6.7 / 22	1/4	23.7 / 42.5	58.5 / 129
SEU-0753-C120	**SEU-0753-C24**	7.5	480	3	9	600	6.7 / 22	1/4	23.7 / 42.5	58.5 / 129
SEU-0763-C120	**SEU-0763-C24**	7.5	600	3	7.2	600	6.7 / 22	1/4	23.7 / 42.5	58.5 / 129
SEU-1083-C120	**SEU-1083-C24**	10	208	3	27.8	800	9.1 / 30	1/4	23.2 / 41.8	60.3 / 133
SEU-1021-C120	**SEU-1021-C24**	10	240	1	41.7	800	9.1 / 30	1/4	23.2 / 41.8	60.3 / 133
SEU-1023-C120	**SEU-1023-C24**	10	240	3	24.1	800	9.1 / 30	1/4	23.2 / 41.8	60.3 / 133
SEU-1053-C120	**SEU-1053-C24**	10	480	3	12	800	9.1 / 30	1/4	23.2 / 41.8	60.3 / 133
SEU-1063-C120	**SEU-1063-C24**	10	600	3	9.6	800	9.1 / 30	1/4	23.2 / 41.8	60.3 / 133
SEU-1583-C120	**SEU-1583-C24**	15	208	3	41.7	1200	10.1 / 33	1/4	22.6 / 40.6	73 / 161
SEU-1523-C120	**SEU-1523-C24**	15	240	3	36.1	1200	10.1 / 33	1/4	22.6 / 40.6	73 / 161
SEU-1553-C120	**SEU-1553-C24**	15	480	3	18.1	1200	10.1 / 33	1/4	22.6 / 40.6	73 / 161
SEU-1563-C120	**SEU-1563-C24**	15	600	3	14.5	1200	10.1 / 33	1/4	22.6 / 40.6	73 / 161
SEU-2053-C120	**SEU-2053-C24**	20	480	3	24.1	1700	14 / 46	1/4	21.1 / 38.0	73 / 161
SEU-2063-C120	**SEU-2063-C24**	20	600	3	19.3	1700	14 / 46	1/4	21.1 / 38.0	73 / 161
SEU-2553-C120	**SEU-2553-C24**	25	480	3	30.1	2100	12.5 / 41	1/2	21.8 / 39.1	87.1 / 192
SEU-2563-C120	**SEU-2563-C24**	25	600	3	24.1	2100	12.5 / 41	1/2	21.8 / 39.1	87.1 / 192
SEU-3053-C120	**SEU-3053-C24**	30	480	3	36.1	3000	18.6 / 61	1/2	18.2 / 32.6	87.1 / 192
SEU-3063-C120	**SEU-3063-C24**	30	600	3	28.9	3000	18.6 / 61	1/2	18.2 / 32.6	87.1 / 192
SEU-3553-C120	**SEU-3553-C24**	35	480	3	42.1	3000	18.6 / 61	1/2	21.1 / 37.9	87.1 / 192
SEU-3563-C120	**SEU-3563-C24**	35	600	3	33.7	3000	18.6 / 61	1/2	21.1 / 37.9	87.1 / 192

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ACCESSORIES

EXPLOSION-PROOF EXCALIBER™ SERIES THERMOSTATS



STE-BTX2-15A-W-N-A
(SPDT) HEATING OR COOLING

Wall mount version requires heater electrical enclosure "C120" or "C24".

CLASS
Class I, Division 1 & 2, Groups B, C & D
Class II, Division 1, Groups E, F & G
Class II, Division 2, Groups F & G; Class III; T6
Class I, Zone 1 & 2, Ex db, Groups IIA, IIB+H2, T6, Gb
Class I, Zone 1 & 2, AEx db, Groups IIA, IIB+H2, T6, Gb
Class II, Zone 21 & 22, Ex tb, Groups IIIA, IIIB & IIIC, T85°C, Db
Class II, Zone 21 & 22, AEx tb, Groups IIIA, IIIB & IIIC, T85°C, Db

-50°C ≤ T amb ≤ +40°C, IP66, Type 4
Temperature adjustment range: 40°F to 80°F (5°C to 25°C); 3/4" - NPT conduit opening on top and bottom.
15A resistive load, 480VAC Max; 3/4 HP@125 VAC; 1 1/2 HP@ 250VAC (suitable for 24V or 120V control circuit).



STE-XET1-1-W-N-A
(ELECTRONIC) HEATING ONLY

Wall mount version requires heater electrical enclosure “C24”. If a wall mount thermostat is ordered without heater electrical enclosure “C24”, then an external 24VAC power supply and control circuit is required (supplied and installed by others).

CLASS
Class I, Division 1 & 2, Groups B, C & D
Class II, Division 1, Groups E, F & G
Class II, Division 2, Groups F & G; Class III; T6
Class I, Zone 1 & 2, Ex db, Groups IIA, IIB+H2, T6, Gb
Class I, Zone 1 & 2, AEx db, Groups IIA, IIB+H2, T6, Gb
Class II, Zone 21 & 22, Ex tb, Groups IIIA, IIIB & IIIC, T85°C, Db
Class II, Zone 21 & 22, AEx tb, Groups IIIA, IIIB & IIIC, T85°C, Db

-50°C ≤ T amb ≤ +40°C, IP66, Type 4
Temperature adjustment range: 40°F to 80°F (5°C to 25°C); 3/4" - NPT conduit opening on top and bottom.
20 to 36VAC 50/60 Hz; 1A max. continuous (suitable for 24V control circuit only).

FIELD RETROFIT KITS



STE-BLK1-W-N-A
FIELD RETROFIT KIT

The heater thermostat conversion kit allows simple interchangeability from a built-in thermostat to a wall mount configuration.

EXPLOSION-PROOF DISCONNECT SWITCH, REMOTE MOUNT

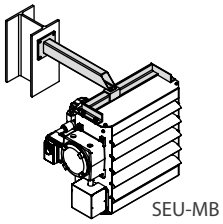


STE-XDC-01
DISCONNECT SWITCH - NOT SUITABLE FOR GROUP B OR GROUP IIB+H2 (HYDROGEN) GAS ATMOSPHERE

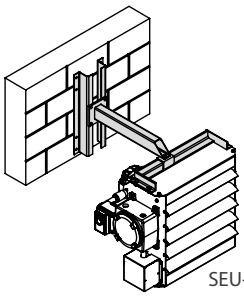
Class I, Division 1 & 2, Groups C & D; Class II, Division 1, Groups E, F & G; Class II, Division 2, Groups F & G; Class III

Class I, Zone 1 & 2, Grp IIA & IIB, T5
600V, 50A max.; 15 HP@208/240V, 3-phase; 30 HP@480/600V, 3-phase; 2 HP@120V, 1-phase; 7.5 HP@240V, 1-phase

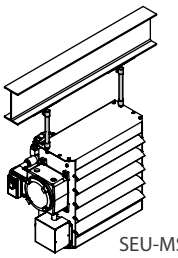
MOUNTING BRACKETS KIT



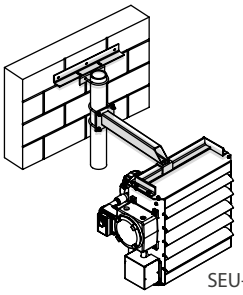
SEU-MB



SEU-MM



SEU-MS



SEU-MT

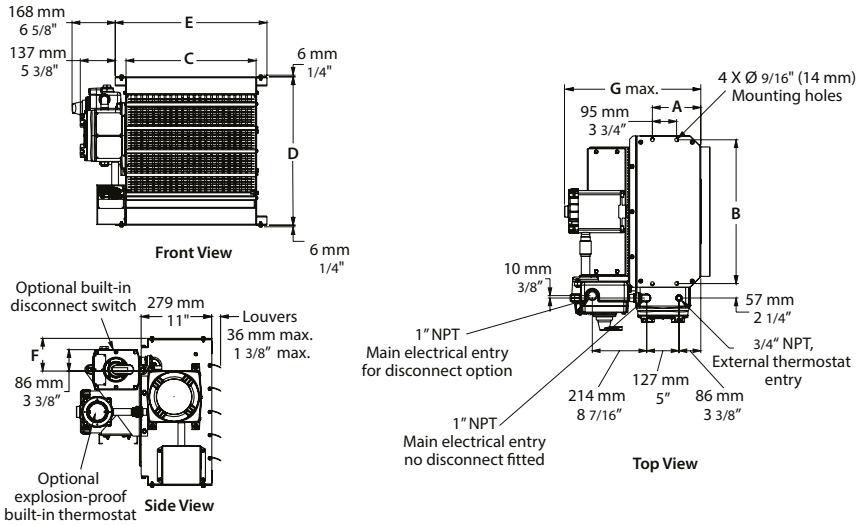
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ACCESSORIES

PRODUCT			DESCRIPTION
	KIT	FACTORY INSTALLED	
SEU-DIS		X	Built-in disconnect switch.
SEU-T1		X	Explosion-proof built-in bi-metal thermostat, range 5 °C (40 °F) to 25 °C (80 °F).
SEU-E		X	Explosion-proof, electronic thermostat (low voltage), 5 °C (40 °F) to 25 °C (80 °F) suitable for 24 volt control circuit only.
SEU-L		X	Pilot light "heat on".
SEU-FS		X	Continuous fan operation.
STE-BTX2-15A-W-N-A	X		Explosion-proof, wall mount bi-metal thermostat, 5 °C (40 °F) to 25 °C (80 °F). 15A, 480Vac Max
STE-XET1-1-W-N-A	X		Explosion-proof, electronic wall mount thermostat (low voltage), 5 °C (40 °F) to 25 °C (80 °F), suitable for 24 volt control circuit only. 1A max continuous, 24Vac
STE-BLK1-W-N-A	X		Thermostat conversion kit allowing interchangeability from built-in thermostat to wall mount configuration.
STE-XDC-01	X		Explosion-proof wall mount disconnect switch, 600V, 50A max
SEU-MS	X		Hanging mounting bracket, all models. Ideal and economical if adequate overhead structure exists. Requires 1/2 in. (12.5 mm) pipe, cut and threaded (min. Sch. 40) not supplied.
SEU-MBX[1]	X		Basic mounting bracket. Can be bolted or welded directly to structural steel or concrete.
SEU-MMX[1]	X		Wall mounting bracket. Use in buildings that have substantial walls. The Z sections provide additional support where necessary.
SEU-MTX[1]	X		Pipe mounting bracket. For buildings with insufficient strength to use other types of mounting brackets. Requires 3 in. (75 mm) pipe (3 1/2 in. [87.5 mm] O.D., min. Sch. 40) not supplied.
SEU-H1-X[1,2]		X	Heresite P-413 baked phenolic coating of heat exchanger core only.
SEU-H2-X[1,2]		X	Heresite P-413 baked phenolic coating of louvers, fan blade, fan guard & cabinet parts.
SEU-H3-X[1,2]		X	Heresite P-413 baked phenolic coating of heat exchanger core, louvers, fan blade, fan guard & cabinet parts.

[1]X = 1 (3 to 10kW units), 2 (15 to 20kW units), 3 (25 to 35kW units).
[2]We do not Heresite coat the explosion-proof motor, control enclosure, aluminium conduit or any options such as disconnect or integral thermostat.
Allow additional 4 to 6 weeks lead time.
Standard color is red.

TECHNICAL DRAWINGS



DIMENSIONS

MODELS	FAN		A		B		C		D		E		F		G		WEIGHT	
	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	KG	LB
3 TO 7KW	305	12	191	7.5	462	18.2	414	16.3	483	19.0	495	19.5	79	3.1	566	22.3	58.5	129
10KW	305	12	191	7.5	462	18.2	414	16.3	483	19.0	495	19.5	79	3.1	566	22.3	60.3	133
15 TO 20KW	406.4	16	191	7.5	566	22.3	516	20.3	584	23.0	597	23.5	130	5.1	566	22.3	73	161
25 TO 35KW	508	20	191	7.5	668	26.3	617	24.3	686	27.0	699	27.5	180	7.1	592	23.3	87.1	192

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