

## HL

### Hazardous Location Connection Kits

#### Power Connection Kit

- Explosion Proof Box Providing Electrical Connection for 1 Cable

#### End Seal Kit

- Explosion Proof Box Providing Termination for 1 Cable

#### Splice Kit

- Explosion Proof Box Providing Cable Entry for 2 cables

#### Tee Kit

- Explosion Proof Box Providing Cable Entry for 3 Cables

#### Signal Light Kit

- Explosion Proof Signal Light Kit with LED



#### *Description*

The HL Series Connection System for Chromalox heating cable products is specifically designed to comply with the requirements of Division 1 hazardous areas.

#### *Applications*

- Process Temperature Maintenance
- Fluid Flow and Viscosity Maintenance

#### *Features*

- High strength aluminum alloy cast bodies
- Corrosion resistant
- Internally threaded junction box body with externally threaded cover
- Seal fitting applicable for use on vertical or horizontal conduit

#### *Approvals*

**FM** - Factory Mutual Certified for use in ordinary areas and:

- Class I, Division 1, Groups B, C, D
- Class II, Division 1, Groups E, F, G
- Class III, Division 1

**CSA** Certified for use in ordinary areas and:

- Class I, Division 1, Groups B, C, D
- Class II, Division 1, Groups E, F, G

## HL Series

### Hazardous Location Connection Kits (*cont'd.*)

#### *Available Models*

#### *Power Connection Kit for Hazardous Locations HL-PC*

The Model HL-PC Hazardous Location Power Connection Kit is a Division 1 certified junction box and seal fitting. The pipe stand-off and seal fitting combination provides a water resistant and explosion proof seal. The junction box has a 3/4" opening with top or side entry for the power connection. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

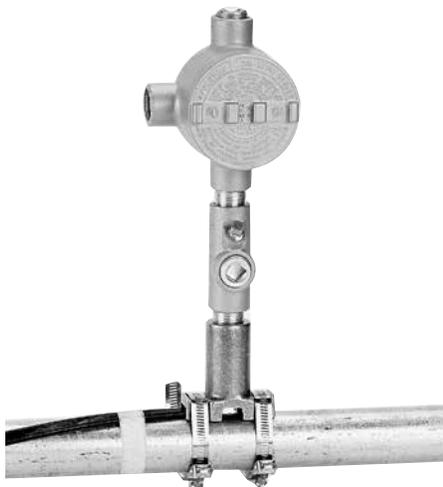
#### *End Seal Kit for Hazardous Locations HL-ES*

The Model HL-ES Hazardous Location End Seal Kit is a Division 1 certified junction box and seal fitting. This kit is designed for end of run sealing for self regulating cable in Division 1 areas. The pipe stand-off and seal fitting combination provides a water resistant and explosion proof seal. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

#### *Splice Kit and Tee Kit for Hazardous Locations HL-S and HL-T*

The Models HL-S and HL-T Hazardous Location Kits are a Division 1 certified junction box and seal fittings. These kits are designed for the splicing of two or three selfregulating cables in Division 1 areas. The cable entry fitting and seal fitting combination provides a waterresistant and explosion proof seal. Pipe straps (not included) are used to provide a means to attach this model to the pipe.

#### *Exterior Construction*



#### *Power Connection Kit*

- Pipe standoff allows for easier installation of heat trace insulation system
- Opening for 3/4" male fitting
- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Simple sealing compound kit

#### *End Seal Kit*

- Pipe standoff allows for easier installation of heat trace insulation system
- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Simple sealing compound kit

#### *Splice Kit and Tee Kit*

- Internally threaded junction box body with externally threaded cover allowing for more room when wiring
- Cable entry fittings provide water tight seal
- Simple sealing compound kit
- The splice kit provides entry for two cables
- The tee kit provides entry for three cables

## HL Series

### Hazardous Location Connection Kits (*cont'd.*)

#### Ordering Information



#### **End Seal Kit for Hazardous Locations HL-ES 382221**

- (1) 3/4" junction box
- (1) Seal fitting
- (1) End seal
- (1) Tube of RTV
- (1) Butt splice
- (1) Pipe stand-off
- (1) Sealing grommet
- (1) Sealing compound
- (1) Ring terminal
- (1) Green grounding wire



#### **Splice Kit for Hazardous Locations HL-S 382205**

- (1) 3/4" box
- (1) Cable entry fitting
- (2) 3/4" Seal fitting with nipple
- (1) Sealing compound & fiber
- (2) 4" 12 AWG leadwires (green)
- (1) Small RTV tube
- (2) Butt splice
- (2) Ring terminal
- (1) Pipe standoff
- (1) Sealing grommet
- (1) Stainless steel label
- (1) Conduit plug
- (1) Extra grounding screw
- (2) Wire nuts
- (2) Power termination seal
- (1) 3/4" to 1/2" reducing bushing



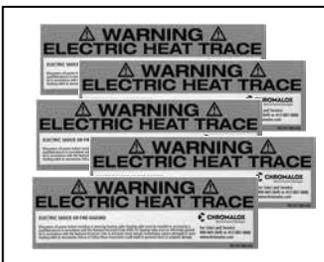
#### **Power Connection Kit for Hazardous Locations HL-PC 382192**

- (1) 3/4" junction box
- (1) Seal fitting
- (1) Ring terminal
- (1) Tube of RTV
- (2) Termination seal
- (1) Pipe stand-off
- (1) Sealing grommet
- (1) Conduit plug
- (1) Sealing compound
- (1) Butt splice
- (3) 12 AWG leads
- (4) Wire nuts



#### **Tee Kit for Hazardous Locations HL-T 382213**

- (1) 3/4" box
- (2) Cable entry fitting
- (3) 3/4" Seal fitting with nipple
- (2) Sealing compound & fiber
- (3) 4" 12 AWG leadwires (green)
- (1) Small RTV tube
- (3) Butt splice
- (3) Ring terminal
- (1) Pipe standoff
- (1) Sealing grommet
- (1) Stainless steel label
- (1) Extra grounding screw
- (2) Wire nuts
- (3) Power termination seal
- (2) 3/4" to 1/2" reducing bushing



#### **Caution Labels CL-1 382424**

- 5) Electric heat tracing caution labels; weather resistant



#### **208 - 240V Division 1 Signal Light Kit D1SL2 393692**

Explosion proof pilot light for use with HL-PC kit. Pilot light kit made with 3/4" NPSM threads and 8" flexible leads. Red LED lens. For 208-240V system.



#### **120V Division 1 Signal Light Kit D1SL1 393684**

Explosion proof pilot light for use with HL-PC kit. Can be used as a power connection light or end seal light. Pilot light kit made with 3/4" NPSM threads and 8" flexible leads. Red LED lens. For 120V system.

## HL Series

### Hazardous Location Connection Kits *(cont'd.)*



**Fiberglas® Tape  
Cable Attachments**  
**FT-3 389941**

66' Roll of glass cloth tape with pressure-sensitive thermosetting silicone adhesive 3/8" wide. 310°F (155°C) rating. Strap at one foot intervals at minimum application temperatures of -40°F (-40°C)



**Stainless Steel Pipe Strap Kit  
Attachments**  
**PS-1, 3, 10 & 20**

**PS-1 (382352)** 1/2 to 3/4" pipes  
**PS-3 (382360)** 1 to 3-1/2" pipes  
**PS-10 (382379)** 2-1/2 to 9" pipes  
**PS-20 (382256)** 9" to 19.5" pipes



**Aluminum Tape  
Cable Attachments**  
**AT-1 383355**

180' Roll aluminum foil installation tape with pressure-sensitive acrylic adhesive. 2-mil thickness with high tensile strength; 2-1/2" wide. 200°F (93°C) rating. Minimum application temperatures 40°F (5°C)



**Stripping Tool**  
**393510**

Tool for stripping the base jacket and the conductive matrix from the cable buss wires. The tool is stocked with 16 awg blades for stripping SRL, HSRL, SRM/E, HSRM and SRP and Thermwire products.