Components, Accessories, Controls and Industrial Products

NON-HAZARDOUS AND HAZARDOUS CONNECTION KITS

Description	Catalog Number
❶ Power connections	
Single heating cable	JBS-100-A
Single heating cable with light	JBS-100-L-A
Single heating cable with digital electronic controller	JBS-100-ECP-A (Non-hazardous locations only)
Single heating cable (w/o JB)	JS-100-A
Multiple heating cables	JBM-100-A
Multiple heating cable with light	JBM-100-L-A
❷ Splice connections	
Above insulation	T-100
Below insulation	S-150 (not approved with HTV, VPL)
❸ Tee connections	
Above insulation	T-100
Below insulation	PMKG-LT (BTV and QTVR only)
❹ End seals	
Above insulation	E-100
Above insulation with LED light	E-100-L-A
Below insulation	E-150 (not approved with HTV, VPL)

Kit, junction box, straps and bracket all sold separately

* Please refer to corresponding connection kit datasheet for details on approved hazardous and non-hazardous locations.
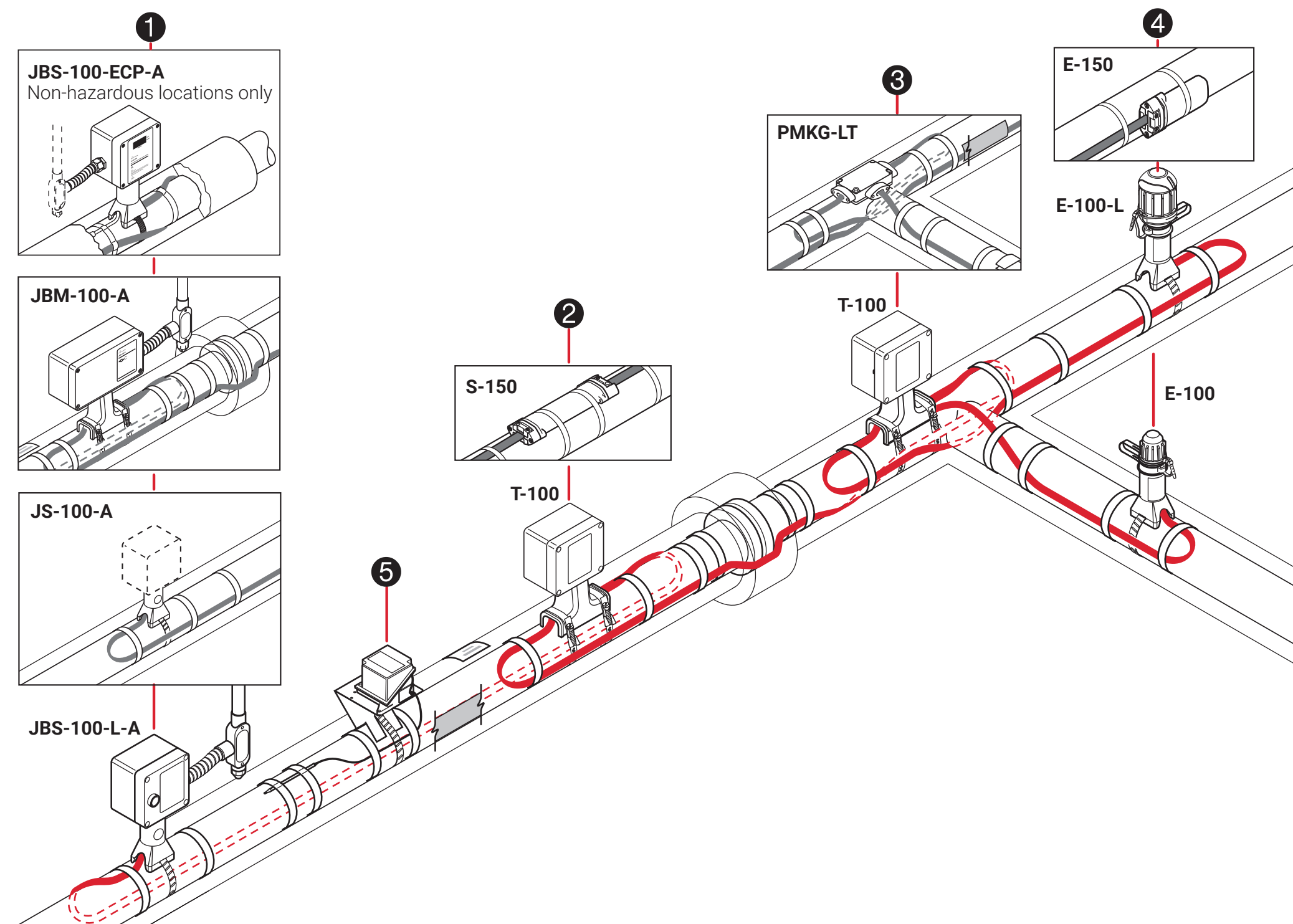
CLASS 1, DIVISION 1, HAZARDOUS LOCATION COMPONENTS

Connection Type	Qty of HAK-C-100	Qty of Holes Req. on JB
Power	1	2
Splice	2	2
Tee	3	3
End seal	1	1

All components above use HAK-C-100 with HAK-JB3-100 Kit, junction box, straps and bracket all sold separately

NON-HAZARDOUS AND HAZARDOUS CONTROL AND MONITORING

Catalog Number	Description (Sensing Type)	Hazardous?
❺ Thermostats - Electronic		
ETS-05-Lx-A	Pipe mounted, High temp (line)	Y
ETS-05-Hx-A	Wall mounted, High temp (line)	Y
JBS-ECP-A	Pipe mounted (line)	N
JBS-ECW-A	Wall mounted (line)	N
❻ Thermostats - Mechanical		
AMC-F5	Fixed set-point (ambient)	N
AMC-1A	Adjustable (ambient)	N
AMC-1H	Adjustable (ambient)	Y
AMC-1B	Adjustable (ambient)	N
AMC-2B-2	2 pole version of above	N
E507S-LS	Line Sensing (25°F − 325°F)	Y
E507S-2LS-2	2 pole version of above	Y
Controllers		
NGC-40	Multipoint (local or remote)	Y
NGC-30 w/UIT	Multipoint (local or remote)	Y
Elexant 4010i	Single point (local)	Y
Elexant 4020i	Single or Multipoint (local)	Y
920	Dual point (local)	Y

❶ JBS-100-ECP-A
Non-hazardous locations only

JBM-100-A

JS-100-A

JBS-100-L-A

❷ S-150

T-100

❺

PMKG-LT

❸

T-100

❹ E-150

E-100-L

E-100

ATTACHMENT PRODUCTS

Catalog Number	Part Number	Description
GT-66	C77220-000	66 ft (20 m) roll of glass tape for attaching heating cable to pipe. Not for stainless steel pipes or for installation temperatures below 40°F (5°C).
GS-54	C77221-000	54 ft (16.5 m) roll of glass tape for attaching heating cable to pipe. For stainless steel pipes or for any installation below 40°F (5°C).
AT-180	158139-000	180 ft (55 m) roll of aluminum tape for attaching heating cables and thermostat sensors to pipes and tanks. Minimum installation temperature: 32°F (0°C). Dimensions: 2.5 in wide, 5 mils thick.

SELF-REGULATING CABLE - BTV

- 150°F (66°C) maximum maintain temperature
- 185°F (85°C) maximum intermittent exposure temperature
- T6 - 185°F (85°C) maximum sheath temperature
- Power at 50°F: 3, 5, 8, 10 W/ft (plastic/metal pipe)

SELF-REGULATING CABLE - QTVR

- 225°F (107°C) maximum maintain temperature
- 225°F (107°C) maximum intermittent exposure temperature
- T4 - 275°F (135°C) maximum sheath temperature
- Power at 50°F: 10, 15, 20 W/ft (plastic/metal pipe)

SELF-REGULATING CABLE - XTV

- 250°F (121°C) maximum maintain temperature
- 482°F (250°C) maximum intermittent exposure temperature
- Sheath temp and T-Rating vary
- Power at 50°F: 5, 10, 15, 20 W/ft (metal pipe only)

SELF-REGULATING CABLE - HTV

- 400°F/205°C maximum maintain temperature
- 500°F/260°C maximum intermittent exposure temperature
- Sheath temperature and T-Rating vary
- Power at 50°F: 3, 5, 8, 10, 12, 15, 20 W/ft (metal pipe only)

POWER LIMITING CABLE - VPL

- For applications exceeding the temperature range of self-regulating cables

Catalog Number	Part Number	Description
Pipe straps	PS-01 C77211-000	For conduit ≤ 1 in
	PS-03 C77212-000	For connection kits on pipes with dimensions ≤ 2 in
	PS-10 C77213-000	For connection kits on pipes with dimensions 2 in − 10 in
	PS-20 C77216-000	For connection kits on pipes with dimensions 10 in − 19.5 in
		Used to secure connection kits and brackets to pipes. Order by pipe diameter, as shown above.

LABELS

Catalog Number	Part Number	Description
ETL ⚠ WARNING Electric Heat Tracing	C77203-000	"Electric Traced" label for identifying traced pipes and tanks.

COLD-APPLIED CORE SEALER

Catalog Number	Part Number	Description
CS-100-A	232949-000	Replacement cold-applied core sealer for nVent RAYCHEM brand BTV, QTVR, XTV, HTV, and VPL heating cables