

# Multiple-Entry Power/Tee Connection with Polymer Junction Box



nVent RAYCHEM JBM-100 is a modular junction box used to connect power to up to three nVent RAYCHEM BTV, QTVR, XTVR, HTV or VPL industrial parallel heating cables and integrates the functions of both connection kits and insulation entries. Offered in three versions, customized for local installation practices, each are also available with a power indicator. JBM-100-E, JBM-100-L-E; JBM-100-EP, JBM-100-L-EP; JBM-100-A, JBM-100-L-A.

## FEATURES

Simple and fast to install, spacious boxes with front access, captive lid screws and robust spring type terminals for secure fixing

Part of a modular component system, providing maximum flexibility

One range for all nVent RAYCHEM industrial parallel heating cables

Simplified design in hazardous area, integral part of system approval

Cold-applied: core sealing boot with non-curing sealant; no heat gun, no hot work permit needed

Reliable during long life: 10 year extended product warranty available, maintenance free

## SPECIFICATIONS

<b>For Ex-Zone Gas:</b>	1, 2
<b>Inlet Quantity:</b>	2
<b>Connection Clamp Quantity:</b>	6
<b>Max Conductor Cross Section:</b>	10 mm <sup>2</sup>
<b>For Ex-Zone Dust:</b>	21, 22
<b>Connection Type:</b>	Cold Applied
<b>Material:</b>	Glass Fiber Reinforced Polymer
<b>Area Classification:</b>	Non-Hazardous; Hazardous
<b>IP Rating:</b>	IP66
<b>Knockouts Included:</b>	No
<b>Mounting:</b>	On Pipe
<b>Cover Attachment:</b>	Screwed
<b>Halogen Free:</b>	Yes

Table 1/2

Catalog Number	Item Name	Ambient Temperature	Cable Entry	Height	Width	Depth
179935-000	JBM-100-A	-40 to 56 °C	3/4"	240 mm	220 mm	90 mm
300273-000	JBM-100-L-EP	-40 to 40 °C	M25	240 mm	220 mm	90 mm
395855-000	JBM-100-L-E	-40 to 40 °C	M25	240 mm	220 mm	90 mm
656081-000	JBM-100-L-A	-40 to 40 °C	3/4"	240 mm	220 mm	90 mm
831519-000	JBM-100-E	-55 to 56 °C	M25	240 mm	220 mm	90 mm
986415-000	JBM-100-EP	-55 to 56 °C	M25	240 mm	220 mm	90 mm

Table 2/2

Catalog Number	Item Name	Light Indication Included	Earth Plate Included	Modular	Below Insulation
179935-000	JBM-100-A	No	No	No	No
300273-000	JBM-100-L-EP	Yes	Yes	No	No
395855-000	JBM-100-L-E	Yes	No	No	No
656081-000	JBM-100-L-A	Yes	No	No	No
831519-000	JBM-100-E	No	No	No	No
986415-000	JBM-100-EP	No	Yes	No	No

## ADDITIONAL PRODUCT DETAILS

Localized versions may exist with limited approvals and different part numbers. Contact your local sales representative.

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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