

ATX™ JBEP Series Undrilled and Pre-Drilled, FRP Empty Junction Boxes

Fiberglass Reinforced Polyester. Increased Safety. For Field Drilling and Customization.

NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
Ⓢ II 2 GD
IP66 – IK10

Applications

- Designed for Zones 1 or 2 areas, where flammable gases or vapors are present either continuously, often or accidentally such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Ideal for indoor/outdoor use with wet or corrosive atmospheres.
- Designed for use in Zones 21 or 22 areas where flammable dusts (conductive and non conductive) are present either continuously, often or accidentally such as:
 - Food processing
 - Dairy
 - Brewing
 - Other industrial process facilities
- Designed for Zone 0 and Zone 20 Intrinsically Safe applications when used with rated terminals.

Features

- Available in a wide range of sizes:
 - For armored, unarmored or armored lead sheathed cable
 - For use with Mantle Clamping (Pillar Terminals) for use as instrumentation, electrical or power terminals
 - For use with a variety of connection and earth terminals
- Optional external hinged enclosures:
 - Reversible door opening 120°.
 - Door with double bar lock.
 - Key locking facility.
- Refer to the technical guide to determine permitted and sizes of terminals and cables entries for self arrangement.

Standard materials

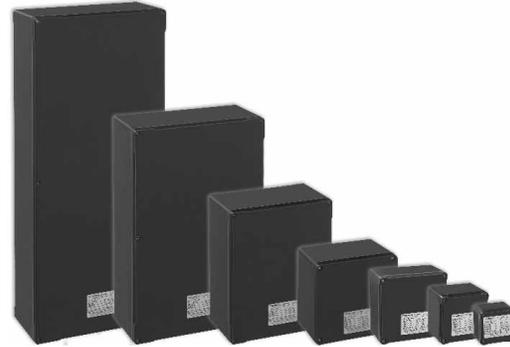
- Enclosures: Static resistant carbon filled fiberglass reinforced polyester (FRP)
- Hardware: stainless steel
- Gasket for sizes 85 x 85, 120 x 120: silicone
- Gasket for other sizes: EPDM (ethylene propylene diene monomer rubber)

Options

- External hinges are available on the following sizes:
 - 500 x 320 x 150
 - 500 x 320 x 230
 - 750 x 320 x 150
 - 750 x 320 x 230
- Silicone gasket available for sizes 170 x 170 and 200 x 215
- Removable glands plates
- Nameplates
- Mounting pan
- Terminal rail
- Inside pocket for document
- Consult factory for custom drilling and assembly requirements.

NEC/CEC Certifications and Compliances

- UL Standard: UL 60079-0; 60079-7
- CSA Standard: C22.2 No. 60079-0; 11; 60079-7: 12
- cCSAus Certified: 2625458
- CSA Listed: 013017



ATEX/IECEX Certifications and Compliances

- Certification Type JBEP
 - Gas, Zones 1 and 2:
 - Conforming to ATEX 94/9/EC: Ⓢ IIG
 - Conforming to IECEx: EPL Gb
 - Type of Protection: Ex eb IIC, Ex eb ia IIC, Ex eb ib IIC, Ex ib IIC
 - Temperature Class: T6 for $T_a \leq +40^\circ\text{C}$ (+104 °F), T5 for $T_a \leq +60^\circ\text{C}$ (+140 °F) and T3 for $T_a \leq +90^\circ\text{C}$ (+194 °F) for sizes 85 x 85, 120 x 120
 - Dusts, Zones 21 and 22:
 - Conforming to ATEX: Ⓢ IID
 - Conforming to IECEx: EPL Db
 - Type of Protection: Ex tb IIIC
 - Surface Temperature : T60 °C (T140 °F) for $T_a \leq +40^\circ\text{C}$ (+104 °F), T90 °C (T194 °F) for $T_a \leq +60^\circ\text{C}$ (+140 °F) and T110 °C (T230 °F) for $T_a \leq +90^\circ\text{C}$ (+194 °F) for sizes 85 x 85, 120 x 120
 - Gas, Zone 0:
 - Conforming to ATEX 94/9/EC: Ⓢ II 1G
 - Conforming to IECEx : EPL Ga
 - Type of Protection: Ex ia IIC
 - T Rating: T6 for $T_a \leq +40^\circ\text{C}$ (+104 °F) and T5 for $T_a \leq +60^\circ\text{C}$ (+140 °F) and T3 for $T_a \leq +90^\circ\text{C}$ (+194 °F) for sizes 85 x 85, 120 x 120
 - Dusts, Zones 20:
 - Conforming to ATEX: Ⓢ II 1D
 - Conforming to IECEx: EPL Da
 - Type of Protection: Ex ia IIIC
 - Surface Temperature : T60 °C (T140 °F) for $T_a \leq +40^\circ\text{C}$ (+104 °F), T90 °C (T194 °F) for $T_a \leq +60^\circ\text{C}$ (+140 °F) and T110 °C (T230 °F) for $T_a \leq +90^\circ\text{C}$ (+194 °F) for sizes 85 x 85, 120 x 120
- ATEX Certificate: LCIE 12 ATEX 3037X
- EC Declaration of Conformity : 50291
- IECEX Certificate: IECEx LCIE 13.0003X
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance: IK10

EURASEC Certification

- EURASEC N° TC RU C-FR.Г505.B.00911

Other Certification

- INMETRO Certificate: BVC 13.3238 - X Ⓢ

Ⓢ INMETRO certification available on special request only. Contact your local sales representative for more information.

ATX™ JBEP Series Undrilled and Pre-Drilled, FRP Empty Junction Boxes

Fiberglass Reinforced Polyester. Increased Safety. For Field Drilling and Customization.

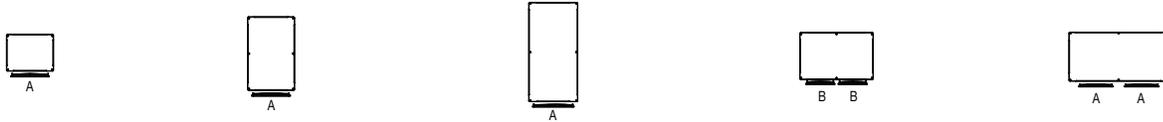
NEC/CEC:
Class I, Zone 1, AEx e IIC, T5 or T6
Ex e IIC, T5 or T6
IP66

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
II 2 GD
IP66 – IK10

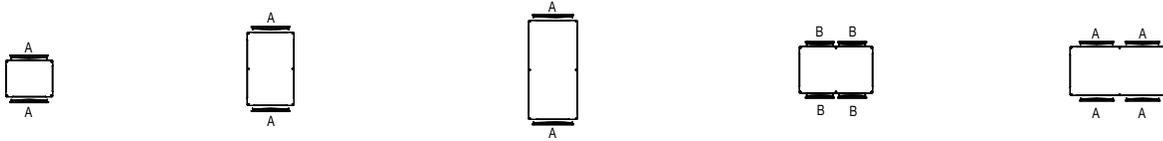
Gland Plate Location Chart ①

Height x Width x Depth Dimensions in Millimeters (Inches)				
250 x 320 x 150 (9.84 x 12.60 x 5.91)	500 x 320 x 150 or 230 (19.69 x 12.60 x 5.91 or 12.60)	750 x 320 x 150 or 230 (29.53 x 12.60 x 5.91 or 12.60)	320 x 500 x 150 or 230 (12.60 x 19.69 x 5.91 or 12.60)	320 x 750 x 150 or 230 (12.60 x 29.53 x 5.91 or 12.60)

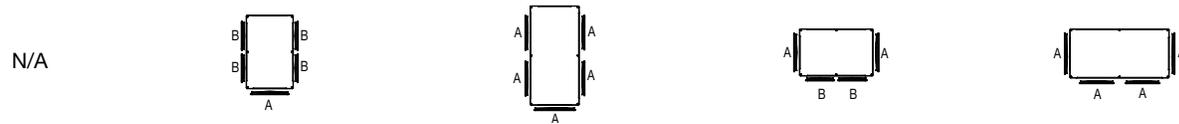
Bottom



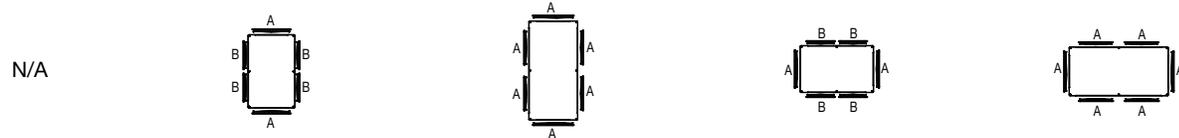
Top and Bottom



Bottom and Sides



All Sides



Spare Removable Gland Plate – Supplied with Gasket and Hardware

Description	Size	Weight – kg (lb)	Volume – dm ³ (in ³)	Size – mm (in)	Catalog Number	
	Plastic	A	0.56 (1.24)	0.8 (48.8)	127 X 268 (5.00 X 10.55)	JBEPGPPA
	Plastic	B	0.51 (1.13)	0.6 (37.0)	127 X 203 (5.00 X 8.00)	JBEPGPPB
	Brass	A	1.5 (3.3)	0.8 (48.8)	127 X 268 (5.00 X 10.55)	JBEPGPBA
	Brass	B	1.30 (2.87)	0.6 (37.0)	127 X 203 (5.00 X 8.00)	JBEPGPBB

① A = 127 x 268 (5" x 10.55").
B = 127 x 203 (5" x 8").