

ATX™ JBES and ECES Series 316L Stainless Steel Enclosures

Increased Safety

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

Applications

- Designed for use in Zone 1 or 2 areas where flammable gases or vapors are present either continuously or intermittently.
- Ideal for use in wet or corrosive atmospheres such as:
 - Petroleum
 - Chemical
 - Refineries
 - Other industrial process facilities
- Designed for use in Zone 21 or 22 areas where flammable dusts are present either continuously or intermittently such as:
 - Food processing
 - Dairy
 - Brewing
 - Pharmaceutical industry
 - Other commercial facilities
- JBES Series
 - Terminal junction box for electrical low voltage and instrumentation connections for use in hazardous areas.
 - Refer to technical data to define permitted number of terminal blocks and cable entries on selected junction boxes.
- ECES Series
 - Enclosure for distribution and control applications must be customized at our workshop to house a large range of components such as control units, switches, breakers, transformers, meters, etc.

Features

- Smooth, continuously welded seams.
- Available in a wide range of sizes.
- Operating temperature:
 - JBES Series: -50 °C to +70 °C (-58 °F to +158 °F)
 - ECES Series: -50 °C to +55 °C (-58 °F to +131 °F)
- Can be supplied with 1, 2, 3 or even 4 neoprene sealed gland plates for ease of cable installation.
- Hinges standard on all sizes above 370.0 mm x 260.0 mm (14.57" x 10.24").
- Poured-in-place polyurethane door gasket.
- Feed-thru earth grounding stud.
- Reversible door, opens 210 degrees, from any location top; bottom, left or right, by means of removable hinges that can be installed in any position.
- Reversible anti-vibration mounting brackets can be mounted on the top, bottom or side positions.
- Optional removable padlocking device.

Standard Materials

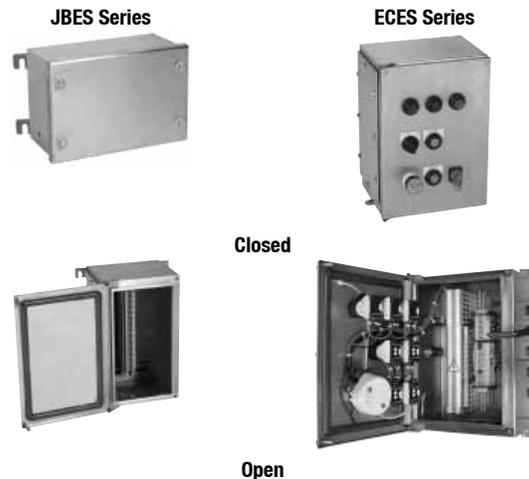
- Enclosure: 316L stainless steel
- Hardware: 316L stainless steel

Standard Finishes

- Natural brushed finish

Accessories

- Mounting pan
- Rail mounting
- Padlocking device
- Door locking bracket for easy access
- Inside pocket
- Refer to technical data to define permitted number of terminals and cable entries acceptance



Options

- Removable gland plates.
- Nameplate.
- Factory drilled and assembled, contact your local representative for information.
- Medium voltage application (11 kV max.), contact your local representative for information.
- Intrinsic safety version (JBIS) available with the use of intrinsic terminals.
- cCSAus certified terminal junction box available for NEC/CEC applications with the SJB series of stainless steel enclosures.

ATEX/IECEX Certifications and Compliances

- Certification Type JBe
 - Gas, Zones 1 and 2:
 - Conforming to ATEX 94/9/CE: II 2 G
 - Type of Protection: Ex e II, Ex ia IIC, Ex ib IIC, Ex de IIC, Ex demb IIC
 - Temperature Class: T6 to T4
 - Dust, Zones 21 and 22:
 - Conforming to ATEX 94/9/CE: II 2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T80 °C to T130 °C (T176 °F to T266 °F)
 - Ambient Temperature: -50 °C to +70 °C (-58 °F to +158 °F)
 - CE Declaration of Conformity: 50232
 - ATEX Certificate: LCIE 02 ATEX 6118X
 - IECEX Certificate: IECEX LCI 11.0008X
- Certification Type JBe U
 - Gas, Zones 1 and 2:
 - Conforming to ATEX 94/9/CE: II 2 G
 - Type of Protection: Ex e II
 - Dust, Zones 21 and 22:
 - Conforming to ATEX 94/9/CE: II 2 D
 - Type of Protection: Ex tD A21
 - Ambient Temperature: -40 °C to +70 °C (-40 °F to +158 °F)
 - CE Declaration of Conformity: 5C240
 - ATEX Certificate: LCIE 09 ATEX 3025U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

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EURASEC Certification

- Certification Type JBe
– EURASEC N° TC RU C-FR.ГБ05.B.00911

Other Certification

- Certification Type JBe
– INMETRO Certificate: BVC 11.0418-X ①

Illustrated Features



Optional removable locking device.
Part Number 097209/N097209



Reversible antivibration mounting brackets,
can be mounted in top, side or bottom
positions.



M8 feed-thru earth/ground terminal.



Polyurethane poured in place door gasket and
stainless steel captive screws.



Reversible door. Opens to 210°, top, bottom,
left or right, by moving the location of the
hinges



Optional removable gland plate.

① INMETRO certification available on special request only. Contact your local sales representative for more information.

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Catalog Numbering Guide — JBES and ECES 316L Stainless Steel Enclosures

