

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

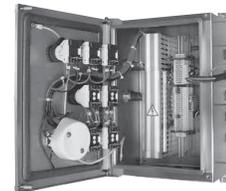
JBES Series



ECES Series



Closed



Open

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.Г505.B.00911

Other Certification

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

Illustrated Features

	<p>Optional removable locking device. Part Number 097209/N097209</p>		<p>Reversible antivibration mounting brackets, can be mounted in top, side or bottom positions.</p>
	<p>M8 feed-thru earth/ground terminal.</p>		<p>Polyurethane poured in place door gasket and stainless steel captive screws.</p>
	<p>Reversible door. Opens to 210°, top, bottom, left or right, by moving the location of the hinges</p>		<p>Optional removable gland plate.</p>



ENCLOSURES AND JUNCTION BOXES: ATEX/IECEX INCREASED SAFETY JUNCTION BOXES

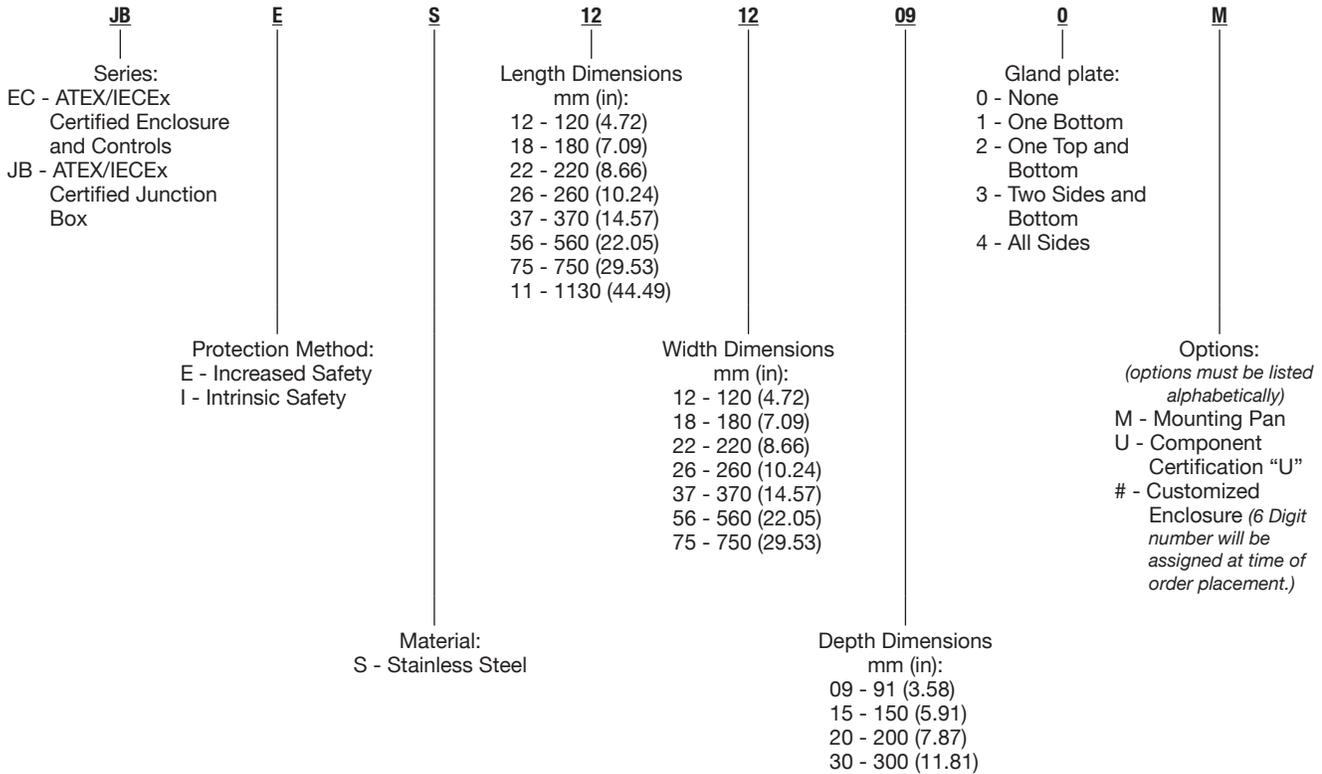
① INMETRO certification available on special request only. Contact your local sales representative for more information.

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



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JBES Series

Type	Dimensions L x W x D mm (in)	Hinged Door ②	Vertical Orientation Rail Length mm (in)	Horizontal Orientation Rail Length mm (in)	Weight kg (lb)	Volume dm³ (in³)	Catalog Number
JBe10	120 x 120 x 95 (4.72 x 4.72 x 3.74)	N	–	100.0 (3.94)	1.0 (2.20)	1.4 (85.43)	JBES1212090
JBe20	120 x 180 x 95 (4.72 x 7.09 x 3.74)	N	–	160.0 (6.30)	1.5 (3.31)	2.0 (122.05)	JBES1218090
JBe30	180 x 180 x 95 (7.09 x 7.09 x 3.74)	N	–	160.0 (6.30)	1.8 (3.97)	3.0 (183.07)	JBES1818090
JBe36	220 x 260 x 150 (8.66 x 10.24 x 5.91)	R	170.0 (6.69)	210.0 (8.27)	5.0 (11.02)	8.6 (524.80)	JBES2226150
JBe36	260 x 220 x 150 (10.24 x 8.66 x 5.91)	R	210.0 (8.27)	170.0 (6.69)	5.0 (11.02)	8.6 (524.80)	JBES2622150
JBe46	220 x 370 x 200 (8.66 x 14.57 x 7.87) ①	R	170.0 (6.69)	320.0 (12.60)	8.5 (18.74)	16.3 (994.69)	JBES2237200
JBe47	260 x 370 x 200 (10.24 x 14.57 x 7.87) ①	Y	210.0 (8.27)	320.0 (12.60)	9.0 (19.84)	19.3 (1177.76)	JBES2637200
JBe46	370 x 220 x 200 (14.57 x 8.66 x 7.87) ①	R	320.0 (12.60)	170.0 (6.69)	8.5 (18.74)	16.6 (1012.99)	JBES3722200
JBe47	370 x 260 x 200 (14.57 x 10.24 x 7.87) ①	Y	320.0 (12.60)	210.0 (8.27)	9.0 (19.84)	19.3 (1177.76)	JBES3726200
JBe55	370 x 370 x 200 (14.57 x 14.57 x 7.87) ①	Y	320.0 (12.60)	320.0 (12.60)	13.0 (28.66)	27.4 (1672.05)	JBES3737200
JBe65	370 x 560 x 200 (14.57 x 22.05 x 7.87) ①	Y	320.0 (12.60)	510.0 (20.08)	19.0 (19.84)	41.5 (2532.49)	JBES3756200
JBe75	370 x 750 x 200 (14.57 x 29.53 x 7.87) ①	Y	320.0 (12.60)	700.0 (27.56)	24.0 (52.91)	55.5 (3386.82)	JBES3775200
JBe65	560 x 370 x 200 (22.05 x 14.57 x 7.87) ①	Y	510.0 (20.08)	320.0 (12.60)	19.0 (19.84)	41.5 (2532.49)	JBES5637200
JBe77	560 x 560 x 200 (22.05 x 22.05 x 7.87) ①	Y	510.0 (20.08)	510.0 (20.08)	28.0 (61.73)	62.8 (3832.29)	JBES5656200
JBe79	560 x 750 x 200 (22.05 x 29.53 x 7.87) ①	Y	510.0 (20.08)	700.0 (27.56)	33.0 (72.75)	84.0 (5125.99)	JBES5675200
JBe75	750 x 370 x 200 (29.53 x 14.57 x 7.87) ①	Y	700.0 (27.56)	320.0 (12.60)	24.0 (52.91)	55.5 (3386.82)	JBES7537200
JBe79	750 x 560 x 200 (29.53 x 22.05 x 7.87) ①	Y	700.0 (27.56)	510.0 (20.08)	33.0 (72.75)	84.0 (5125.99)	JBES7556200
JBe86	1130 x 750 x 300 (44.49 x 29.53 x 11.81)	Y	1080.0 (42.52)	700.0 (27.56)	50.0 (110.23)	235.0 (14340.58)	JBES1175300



① 200.0 mm (7.87") depth enclosure available with 300.0 mm (11.81") depth – replace digit 2 with 3 – Example: JBES3737304.
② N: Not Available, R: On request or separate accessories, Y: Supplied.

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JBES Series

Type	Dimensions L x W x D mm (in)	Hinged Door ②	One Gland Plate Catalog Number	Two Gland Plates Catalog Number	Three Gland Plate Catalog Number	Four Gland Plates Catalog Number
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Ex e II 316L Stainless Steel Terminal Junction Boxes with Gland Plates 3 mm (0.12") Thick

For use only with Ex terminals (not supplied). M8 External earth crossing terminal. Mounting pan and rails to be ordered separately.

	JBe36	220 x 260 x 150 (8.66 x 10.24 x 5.91)	R	JBES2226151	JBES2226152	JBES2226153	JBES2226154
	JBe36	220 x 260 x 150 (8.66 x 10.24 x 5.91)	R	JBES2622151	JBES2622152	JBES2622153	JBES2622154
 One Gland Plate	JBe46	220 x 370 x 200 (8.66 x 14.57 x 7.87) ①	R	JBES2237201	JBES2237202	JBES2237203	JBES2237204
	JBe47	260 x 370 x 200 (10.24 x 14.57 x 7.87) ①	Y	JBES2637201	JBES2637202	JBES2637203	JBES2637204
 Two Gland Plate	JBe46	370 x 220 x 200 (14.57 x 8.66 x 7.87) ①	R	JBES3722201	JBES3722202	JBES3722203	JBES3722204
	JBe47	370 x 260 x 200 (14.57 x 10.24 x 7.87) ①	Y	JBES3726201	JBES3726202	JBES3726203	JBES3726204
 Gland Plate Three	JBe55	370 x 370 x 200 (14.57 x 14.57 x 7.87) ①	Y	JBES3737201	JBES3737202	JBES3737203	JBES3737204
	JBe65	370 x 560 x 200 (14.57 x 22.05 x 7.87) ①	Y	JBES3756201	JBES3756202	JBES3756203	JBES3756204
 Four Gland Plate	JBe75	370 x 750 x 200 (14.57 x 29.53 x 7.87) ①	Y	JBES3775201	JBES3775202	JBES3775203	JBES3775204
	JBe65	560 x 370 x 200 (22.05 x 14.57 x 7.87) ①	Y	JBES5637201	JBES5637202	JBES5637203	JBES5637204
	JBe77	560 x 560 x 200 (22.05 x 22.05 x 7.87) ①	Y	JBES5656201	JBES5656202	JBES5656203	JBES5656204
	JBe79	560 x 750 x 200 (22.05 x 29.53 x 7.87) ①	Y	JBES5675201	JBES5675202	JBES5675203	JBES5675204
	JBe75	750 x 370 x 200 (29.53 x 14.57 x 7.87) ①	Y	JBES7537201	JBES7537202	JBES7537203	JBES7537204
	JBe79	750 x 560 x 200 (29.53 x 22.05 x 7.87) ①	Y	JBES7556201	JBES7556202	JBES7556203	JBES7556204
	JBe86	1130 x 750 x 300 (44.49 x 29.53 x 11.81)	Y	JBES1175301	JBES1175302	JBES1175303	JBES1175304

① 200 mm (7.87") depth enclosure available with 300 mm (11.81") depth – replace digit 2 with 3 – Example: JBES3737304.

② N: Not Available, R: On request or separate accessories, Y: Supplied.