

# Ideal solution for every need

## Ensto's comprehensive enclosure expertise – at your service

Ensto Cubo X provides tailored enclosure solutions for both current and upcoming projects. Certified to meet the demanding ATEX environment requirements, the product is suitable for Ex i, Ex e and Ex tD protection types.

A code key has been created to help customers define and make the optimal choice for their specific needs and situations. However, solutions that go beyond code key limits are possible, based on a customer-specific project number.

Based on the customer's installation zone or equipment group, degree of protection as well as specific product information, code key and requested options, Ensto can brand the junction box with an ATEX label. After contacting a notifying body, the customer can carry out the confirmation assessment and obtain ATEX certifications, by utilizing Ensto's test results and documents. Based on Ensto's

mounting instructions, the terminals can then be installed.

Empty ATEX enclosures can also be sold as a component – the customer can create a system of its own using ATEX-proofed components and carry out the required tests with a notified body.

Ensto is also able to provide comprehensive enclosure systems to OEMs. Complete ATEX-proofed junction boxes are available, based on our certificates. In line with customer needs, the maximum dissipated method can be used to calculate the optimum number of elements for a scaled enclosure.



Things we need to know for complete terminal solutions:

- Installation zone or equipment group
- Protection type
- Temperature class
- Service temperature
- Degree of protection
- Product information, code key and desired options
- Sizing and how flexible it is
- Required terminal manufacturer
- Number of terminals

Should another kind of Ex solution better suit your needs, Ensto's experts can assist you in finding the optimal cost-efficiency.



Type 1

Type 2

Type 3

Type 4

Code: X / 1, 2, 3, 4 / S, A, F / N, B, E / P, F / W / H / D  
 Model: X  
 Type 1: 1,  
 Type 2: 2,  
 Type 3: 3,  
 Type 4: 4  
 Material AISI 304: S,  
 Material AISI 316: A,  
 Materials FEDC01: F  
 Surface treatment, Natural: N,  
 Surface treatment, Brushed: B,  
 Surface treatment, Painted: E  
 With plain sides: P,  
 With 155x75 flange hole / flange: F  
 Width: W  
 Height: H  
 Depth: D

### Type 1

The cover is fastened with screws and connected with a ground strap

### Type 2

Tight hinges and cover screws on the opposite side

### Type 3\*

Tight hinges and one or several locks

### Type 4

The cover is fastened with screws as in Type 1. The cover is secured with hinges that enable its free movement.

\* The Type 3 quarter turn latch certificate is still pending, please contact your local sales person for more details.



Can be replaced with an M10 brass internal/outer insert.



Since the Lexan window is scalable, just the right size is always available.



The enclosure can be protected from misuse by furnishing it with Ensto's locking system.



The fastening lugs can be attached in a horizontal or vertical position, or be replaced with threaded inserts. Standard grounding is placed onto one lug.

# Stockable items

To meet the needs of distributors and wholesalers we have chosen to stock some sizes. The materials used in stockable items are stainless steel AISI 316 and polyester painted mild steel, in line with the norm for this market.

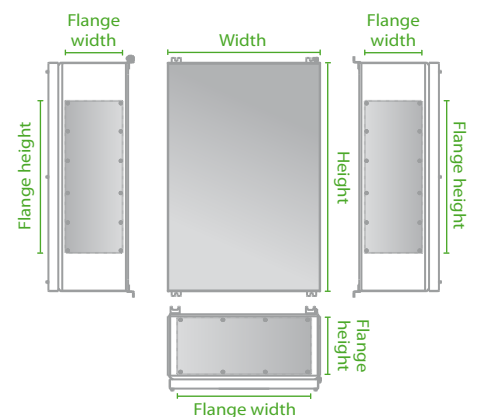
## Ensto Cubo X with plain sides

PRODUCT CODE	DESCRIPTION	DIMENSIONS (MM)		
		WIDTH	HEIGHT	DEPTH
Plain sides, AISI 316				
X1ANP151509		150	150	90
X1ANP152010		150	200	100
X1ANP202010		200	200	100
X1ANP203012		200	300	120
X1ANP204015		200	400	150
X1ANP303015		300	300	150
X1ANP403015		400	300	150
X1ANP404020		400	400	200
X1ANP604020		600	400	200
X1ANP805020		800	500	200
Plain sides, polyester painted mild steel				
X1FEP151509		150	150	90
X1FEP152010		150	200	100
X1FEP202010		200	200	100
X1FEP203012		200	300	120
X1FEP204015		200	400	150
X1FEP303015		300	300	150
X1FEP403015		400	300	150
X1FEP404020		400	400	200
X1FEP604020		600	400	200
X1FEP805020		800	500	200



## Ensto Cubo X with flange openings

PRODUCT CODE	DESCRIPTION	DIMENSIONS (MM)		
		WIDTH	HEIGHT	DEPTH
Flange openings on the bottom, AISI 316				
X2ANP403015G1	Flange opening size 250 x 113 mm	400	300	150
X2ANP404020G1	Flange opening size 350 x 150 mm	400	400	200
X2ANP604020G1	Flange opening size 350 x 150 mm	600	400	200
X2ANP805020G1	Flange opening size 450 x 150 mm	800	500	200
Flange openings on the bottom, polyester painted mild steel				
X2FEP403015G1	Flange opening size 250 x 113 mm	400	300	150
X2FEP404020G1	Flange opening size 350 x 150 mm	400	400	200
X2FEP604020G1	Flange opening size 350 x 150 mm	600	400	200
X2FEP805020G1	Flange opening size 450 x 150 mm	800	500	200
Flange openings on the bottom and both sides, AISI 316				
X2ANP403015G2	Bottom flange 250 x 113 mm, sides 300 x 113 mm	400	300	150
X2ANP404020G2	Bottom flange 350 x 150 mm, sides 300 x 150 mm	400	400	200
X2ANP604020G2	Bottom flange 350 x 150 mm, sides 400 x 150 mm	600	400	200
X2ANP805020G2	Bottom flange 450 x 150 mm, sides 400 x 150 mm	800	500	200
Flange openings on the bottom and both sides, polyester painted mild steel				
X2FEP403015G2	Bottom flange 250 x 113 mm, sides 300 x 113 mm	400	300	150
X2FEP404020G2	Bottom flange 350 x 150 mm, sides 300 x 150 mm	400	400	200
X2FEP604020G2	Bottom flange 350 x 150 mm, sides 400 x 150 mm	600	400	200
X2FEP805020G2	Bottom flange 450 x 150 mm, sides 400 x 150 mm	800	500	200



The flange openings are either only on the base of the enclosure, or on both sides and the base.