

304L / 316L stainless-steel wall-mounting enclosures

Introduction



Technical characteristics

These enclosures have been specially designed for the chemical, oil and food and beverage industries, among others, which are particularly demanding in terms of hygiene and resistance to corrosion.

- Two types of materials, with Scotch-Brite® brushed finish, are available:
 - AISI 304L,
 - AISI 316L.
- Two wall-mounting enclosure versions are available:
 - With plain door,
 - With glazed door, Securit® glass, 4 mm thick.
- Protection rating of IP 66 for all single enclosures with single door and glazed door, IP 55 for the double door enclosures, according to IEC 60529.
- Resistance to external mechanical impacts:
 - IK 10 for the solid-door enclosures,
 - IK 08 for the glazed-door enclosures.
- Thickness: 1.5 mm.
- Single-piece body (cross-shaped structure). Gutter-shaped front profile.
- 4 rear studs for fixing the material.
- 2 cut-out vertical profiles on the door (from a height of 600 mm), with drill holes with a diameter of 4.25 mm and a pitch of 25 mm for installing accessories.
- Door strengthening frame (from a height of 1000 mm), cross-section of 20 mm × 15 mm, with drill holes with a diameter of 5 mm and a pitch of 25 mm.
- Standard lock with 3-mm double-bar lock (chrome-plated zamak).
- 2 locking points for heights of more than 500 mm or three points for two-door enclosures.
- Stainless-steel hinges screwed to the body of the enclosure. They make it easier to remove and invert the door. Opening angle: 120°.
- Polyurethane gasket.
- M6 × 16 screws on the door and on the body, allowing equipotential connection between the earth connections (on request).
- 4 holes for fixing to the wall directly or with the help of mounting lugs (on request), blocked by sealing plugs.

Certifications


- IEC 62208 / UL 508A / CAN/CSA 22.

Wall-mounting enclosure ATEX

Technical features

The Spacial ATEX range of stainless-steel enclosures is certified by the LOM with no. LOM 08ATEX3028U (component certificate).

The enclosures have the following marks:

 II 2 GD Ex e II Ex tD A21 IP66 according to ATEX directive 94/9/EC and standards EN 60079-0 (2004), EN 60079-7 (2006), EN 61241-0 (2005) and EN 61241-1 (2004).

- M6 × 16 screws on the door and on the body, allowing equipotential connection.
- The wall-fixing lugs are compulsory; they are blocked by sealing plugs. The 4 fixing holes are blocked by 4 crimped blind nuts.
- One crimped M6 blind nut for an external earth connection (braid not supplied).
- Authorised ambient temperature limits:
 - 25 °C ≤ Ta ≤ +60 °C



The accessories of the Spacial S3X enclosure can be installed in the Spacial S3EX enclosure. However, plastic accessories should not be used, due to the risk of a static charge.

Stainless-steel wall-mounting enclosure selection guide



External dimensions (mm)			No. of doors	304L stainless steel		316L stainless steel	ATEX 304L Plain door	304L stainless-steel canopy**
H	W	D		Plain door	Glazed door*	Plain door		
300	200	150	1	NSYS3X3215	-	NSYS3X3215H	NSYS3XEX3215	NSYTX2015
300	250	150	1	NSYS3X302515	-	NSYS3X302515H		NSYTX2515
300	300	150	1	NSYS3X3315	-	NSYS3X3315H		NSYTX3015
400	300	150	1	NSYS3X4315	-	NSYS3X4315H		NSYTX3015
400	300	200	1	NSYS3X4320	NSYS3X4320T	NSYS3X4320H	NSYS3XEX4320	NSYTX3020
400	400	200	1	NSYS3X4420	-	NSYS3X4420H		NSYTX4020
400	600	200	1	NSYS3X4620	-	NSYS3X4620H		NSYTX6020
500	400	200	1	NSYS3X5420	NSYS3X5420T	NSYS3X5420H	NSYS3XEX5420	NSYTX4020
600	400	200	1	NSYS3X6420	NSYS3X6420T	NSYS3X6420H	NSYS3XEX6420	NSYTX4020
600	600	250	1	NSYS3X6625	-	NSYS3X6625H		NSYTX6025
700	500	250	1	NSYS3X7525	NSYS3X7525T	NSYS3X7525H	NSYS3XEX7525	NSYTX5025
800	600	250	1	NSYS3X8625	NSYS3X8625T	NSYS3X8625H	NSYS3XEX8625	NSYTX6025
800	800	300	1	NSYS3X8830	-	NSYS3X8830H		NSYTX8030
1000	800	300	1	NSYS3X10830	NSYS3X10830T	NSYS3X10830H	NSYS3XEX10830	NSYTX8030
1000	1000	300	2	NSYS3X101030	-	NSYS3X101030H		NSYTX10030
1200	800	300	1	NSYS3X12830	-	NSYS3X12830H		NSYTX8030
1200	1000	300	2	NSYS3X121030	-	NSYS3X121030H		NSYTX10030

*The glazed door has no reinforcement.

**Installation not recommended on ATEX wall-mounting enclosures.



Wall-fixing lugs

- Set of four 304 or 316L stainless-steel wall-fixing lugs.
- Mounting of the wall-fixing lugs in horizontal or vertical position.
- Fixing from the outside.
- Maximum load: horizontal 180 kg and vertical 350 kg.

Stainless-steel type	Reference
304	NSYPFCX
316L	NSYPFC2X



Description	Material	Reference
Standard 3-mm double-bar lock	chrome-plated zamak	NSYSTDNCSX
Round 3-mm double-bar lock (spare)	chrome-plated zamak	NSYSTDCSX
Round 3-mm double-bar lock	100 % stainless steel	NSYSTDCXH
8-mm triangular insert	100 % stainless steel	NSYTT8CSX
7-mm square insert	100 % stainless steel	NSYTC7CSX
6-mm square insert	100 % stainless steel	NSYTC6CSX
1242E button lock	Chrome-plated	NSYCL1242ECSX
405 button lock	Polyamide	NSYCL405CSX



For mounting plates and other accessories please refer to our current wall-mounting offer (S3D or CRN).