# CUBIC
A ROCKWELL AUTOMATION COMPANY

# STAINLESS STANDARD ENCLOSURES AND CUSTOMIZED SOLUTIONS

CUSTOMIZED SOLUTIONS

CUBIC is the perfect solution notwithstanding the need is a customized solution, a junction box, or a standard enclosure. We continuously improve all processesses in order to meet every need and wish – not only today, but also in the future.  Our standard and customized solutions are high-quality products. We guarantee the same high homogeneous quality regardless of the order size.

"We give you the opportunity of building enclosure solutions that will embrace your challenges tomorrow today"

# STANDARD

Floor cabinets

HMI enclosures

Junction boxes

Wall mounted

HYG
Wall mounted

STANDARD

• Wide and versatile programme.
• Day-to-day delivery on stocked items.
• Wide range of accessories.

# CUSTOMIZED STANDARD



Enclosures according to specification

**CUSTOMIZED STANDARD**

- Finish in 3 levels, delivered in the same high quality, but chosen according to requirements /industry / environment
- Possibility of double painting
- Processing is provided
- Attachment of braces to equipment etc.

# CUSTOMIZED



**CUSTOMIZED**

- PUR gasket / double sealing
- Stainless / hot galvanized / painted
- Finish in 3 levels, delivered in the same high quality, but chosen according to requirements / industry / environment

## BY CHOOSING CUBIC YOU GET THE BELOW BENEFITS:

- Large standard programme
- Customized solutions
- Tested and documented solutions
- Punching of holes on painted enclosures before lacquering. The result is excellent finish, and documented corrosion class
- Processing is provided regardless of the quantity
- Close dialogue between the customer and CUBIC for configuration of the enclosure
- Partnership

# STANDARD BOXES

CUBIC offers the widest and most versatile range of stainless and lacquered standard solutions in the market, all characterized by professional craftsmanship, high-quality and finish.

All products are available in either stainless EN 1.4301 / AISI 304L or EN 1.4404 / AISI 316L and lacquered EN DC01AM steel.

As a standard feature CUBIC's standard programme is delivered with a PUR gasket. The flexibility and focus on meeting our customers' needs is paramount, and therefore all standard products are available with a double gasket, with short delivery time.

Day-to-day delivery is offered on the stock items of the standard programme.

The standard programme is certified and approved according to IEC/EN 62208 IP66/IP69, IK10, UL Type 1, 3R/4 and 4X.

The standard programme is approved for application in temperatures between -40°C - +80°C. In some cases for a short duration at 160° C.

CUBIC supplies a completely ready-to-deliver product which does not require any finishing. This means that all products in the standard programme can be delivered with extra holes or cut-outs – all depending on the customer's needs.

CUBIC's customized standard solutions are found in all industries and environments.

# KLM-TERMINAL BOXES

Stainless steel terminal boxes, type KLM, are manufactured for the requirements of the food, pharmaceutical and offshore industries for finish and degree of protection.

As a standard the terminal box is delivered with a PUR gasket. To ensure a permanent, optimal degree of protection, the screws of the stainless steel lid are placed outside the gasket, making it possible for the lid not to be overtightened with the risk of damaging the gasket.

Threaded rods at the bottom of the box allow for mounting of a DIN rail, or by means of 2 mounting brackets, a DIN rail and a cable duct.

Mounting plate is available as an accessory (see table).

Punching for fittings and push buttons is executed according to the task.

Terminal boxes may also be delivered in special sizes. The terminal boxes are stocked in AISI 316L and some types in AISI 304L.

## TERMINAL BOXES - KLM

Stainless terminal box, type KLM, is available in a wide selection from 100x100 mm to 700x250 mm and is manufactured in various depths. KLM terminal box is prepared for earthing, threaded rods are pre-mounted in the box. Mounting brackets for doors are outside the gasket to ensure efficient tightness.
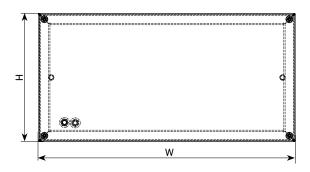
ACCESSORY: Mounting plates are accessories.
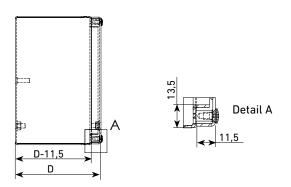ON REQUEST: KLM 1.5 mm ATEX EX e version on request.
MATERIAL: The boxes are made of 1.5 mm plate, EN 1.4404 / AISI 316L with a mat polished outer finish as a standard.
DEGREE OF PROTECTION: IP66/IP69, IK10
APPROVALS: IEC/EN 62208, UL Type 1, 3R, 4x and Exe.

| KLM TERMINAL BOXES | DIMENSION (mm) | | | MOUNTING PLATE |
| Type No. | W | H | D | 2,5 mm Galvanized |
|---|---|---|---|---|
| 9650+101060-600 | 100 | 100 | 60 | N/A |
| 9650+101060-610* | 100 | 100 | 60 | N/A |
| 9650+101080-600 | 100 | 100 | 80 | N/A |
| 9650+101510-600 | 100 | 150 | 100 | N/A |
| 9650+121290-600 | 120 | 120 | 90 | N/A |
| 9650+151045-600 | 150 | 100 | 45 | N/A |
| 9650+151060-600 | 150 | 100 | 60 | N/A |
| 9650+151510-600 | 150 | 150 | 100 | N/A |
| 9650+151560-600 | 150 | 150 | 60 | N/A |
| 9650+151580-600 | 150 | 150 | 80 | N/A |
| 9650+201060-600 | 200 | 100 | 60 | N/A |
| 9650+201510-600 | 200 | 150 | 100 | 9650+2015-103 |
| 9650+201514-600 | 200 | 150 | 140 | 9650+2015-103 |
| 9650+201560-600 | 200 | 150 | 60 | 9650+2015-103 |
| 9650+202012-600 | 200 | 200 | 120 | 9650+2020-103 |
| 9650+251060-600 | 250 | 100 | 60 | N/A |
| 9650+251510-600 | 250 | 150 | 100 | N/A |
| 9650+252014-600 | 250 | 200 | 140 | 9650+2520-103 |
| 9650+301510-600 | 300 | 150 | 100 | 9650+3015-103 |
| 9650+302012-600 | 300 | 200 | 120 | 9650+3020-103 |
| 9650+302080-600 | 300 | 200 | 80 | 9650+3020-103 |
| 9650+304020-600 | 300 | 400 | 200 | N/A |
| 9650+351014-600 | 350 | 100 | 140 | N/A |
| 9650+401510-600 | 400 | 150 | 100 | N/A |
| 9650+402012-600 | 400 | 200 | 120 | 9650+4020-103 |
| 9650+402515-600 | 400 | 250 | 150 | 9650+4025-103 |
| 9650+451510-600 | 450 | 150 | 100 | N/A |
| 9650+501510-600 | 500 | 150 | 100 | N/A |
| 9650+502012-600 | 500 | 200 | 120 | 9650+5020-103 |
| 9650+702515-600 | 700 | 250 | 150 | N/A |
| 9680+0004 -  set of 2 pcs. mounting rails for DIN rails | | | | |

* Prepared for push button

# STA MOUNTING ENCLOSURES

Mounting enclosures, type STA, are manufactured for all areas in the industry with high demands for finish, sturdiness and protection. Special focus is put on areas within the food, pharmaceutical and offshore industries. The mounting enclosure is mainly designed for mounting on walls, machinery or columns.

The enclosure is fully welded and fitted with an integrated bracket construction providing an optional side for fitting of door hinges and 120° opening angle. The contact surface of the enclosure towards the door is designed as a groove profile providing a perfect contact surface to the PUR gasket of the door, and a max. bore on the enclosure.

The doors of the mounting enclosure are fitted with a PUR gasket and stainless closing devices. The mounting plate is executed in hot-galvanized steel plate. All parts of the mounting enclosure are prepared for earthing. Cutouts for connectors, push buttons, instruments, brackets, etc. are carried out on request.

All standard enclosures are delivered packaged with a clear indication of the content. The mounting enclosures are available in special dimensions, and with cutouts on request.

## MOUNTING ENCLOSURES - STA

Stainless mounting enclosure, type STA, manufactured from 250x300 mm and up to 1200 x1200 mm and with various depths.

MATERIAL: The enclosure is manufactured of 1.5 mm plate and delivered with a polished outer finish as a standard. The enclosure is as a standard made of EN 1.4301 / AISI 304L.
On request also available in EN 1.4404 / AISI 316L.

MOUNTING PLATE: Delivered in galvanized steel plate. Thickness 2.5 mm.

CLOSING DEVICES: Stainless double bit lock DIN 3 closing device as standard.
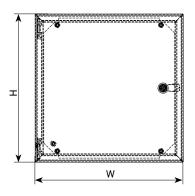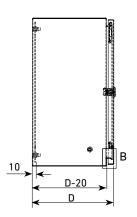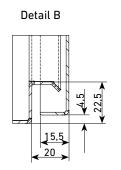
ON REQUEST:
STA ATEX EX e version

The mounting enclosures are available in special dimensions with cutouts on request.

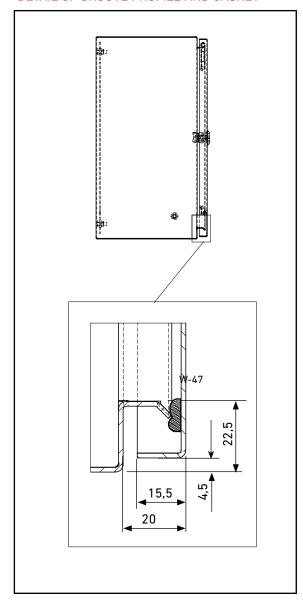APPROVALS: IEC/EN 62208, IP66/IP69, IK10
UL Type 1, 3R/4, 4X, EMC and Exe.

### ACCESSORIES

- Door w/window IP66/IP69, IK02/IK10
- Observation door with frame
- Instrument swing plate
- Airlock IP x6
- Ventilator
- Filter
- Closing devices
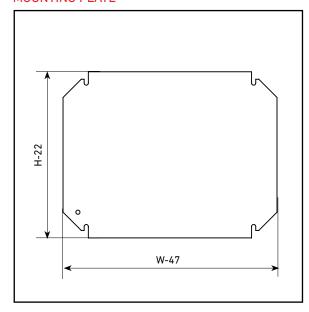- Wall bracket
- Flanges
- Door stop
- EMC protection

Detail B

## DETAIL OF GROOVE PROFILE AND GASKET

## STA ENCLOSURE

## MOUNTING PLATE

| MOUNTING ENCLOSURES - STA (CONTINUED) | | | | | | |
|---|---|---|---|---|---|---|
| STA MOUNTING ENCLOSURE | DIMENSION (mm) | | | CLOSING SYSTEM | | |
| Type No. | W | H | D | Double door without barrier | 3-point closing device | No. of locks |
| 9600+253016-100 | 250 | 300 | 160 | | | 1 |
| 9600+304020-100 | 300 | 400 | 200 | | | 1 |
| 9600+306030-100 | 300 | 600 | 300 | | | 2 |
| 9600+403016-100 | 400 | 300 | 160 | | | 1 |
| 9600+404016-100 | 400 | 400 | 160 | | | 1 |
| 9600+404022-100 | 400 | 400 | 220 | | | 1 |
| 9600+405022-100 | 400 | 500 | 220 | | | 1 |
| 9600+406022-100 | 400 | 600 | 220 | | | 2 |
| 9600+406035-100 | 400 | 600 | 350 | | | 2 |
| 9600+505018-100 | 500 | 500 | 180 | | | 1 |
| 9600+505022-100 | 500 | 500 | 220 | | | 1 |
| 9600+601030-100 | 600 | 1000 | 300 | | • | 1 |
| 9600+601230-100 | 600 | 1200 | 300 | | • | 1 |
| 9600+603030-100 | 600 | 300 | 300 | | | 1 |
| 9600+604016-100 | 600 | 400 | 160 | | | 1 |
| 9600+604022-100 | 600 | 400 | 220 | | | 1 |
| 9600+604030-100 | 600 | 400 | 300 | | | 1 |
| 9600+604035-100 | 600 | 400 | 350 | | | 1 |
| 9600+606022-100 | 600 | 600 | 220 | | | 2 |
| 9600+606030-100 | 600 | 600 | 300 | | | 2 |
| 9600+606035-100 | 600 | 600 | 350 | | | 2 |
| 9600+608022-100 | 600 | 800 | 220 | | | 2 |
| 9600+308030-100 | 300 | 800 | 300 | | | 2 |
| 9600+608035-100 | 600 | 800 | 350 | | | 2 |
| 9600+707022-100 | 700 | 700 | 220 | | | 2 |
| 9600+805030-100 | 800 | 500 | 300 | | | 1 |
| 9600+808022-100 | 800 | 800 | 220 | | | 2 |
| 9600+808030-100 | 800 | 800 | 300 | | | 2 |
| 9600+801022-100 | 800 | 1000 | 220 | | • | 1 |
| 9600+801030-100 | 800 | 1000 | 300 | | • | 1 |
| 9600+801035-100 | 800 | 1000 | 350 | | • | 1 |
| 9600+801222-100 | 800 | 1200 | 220 | | • | 1 |
| 9600+801230-100 | 800 | 1200 | 300 | | • | 1 |
| 9600+101030-100* | 1000 | 1000 | 300 | • | • | 1 |
| 9600+101230-100* | 1000 | 1200 | 300 | • | • | 1 |
| 9600+104030-100* | 1000 | 400 | 300 | • | • | 1 |
| 9600+105020-100* | 1000 | 500 | 200 | • | • | 1 |
| 9600+105030-100* | 1000 | 500 | 300 | • | • | 1 |
| 9600+106030-100* | 1000 | 600 | 300 | • | • | 1 |
| 9600+107030-100* | 1000 | 700 | 300 | • | • | 1 |
| 9600+121030-100* | 1200 | 1000 | 300 | • | • | 1 |
| 9600+121230-100* | 1200 | 1200 | 300 | • | • | 1 |
| 9600+121240-100* | 1200 | 1200 | 400 | • | • | 1 |

* EN 60529/ IP66/IP69, IK10

## SINGLE DOOR

The STA enclosure is fully welded and fitted with a PUR gasket.
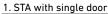The door is equipped with an earth bolt.

## DOUBLE DOOR

STA enclosures with double door have no barrier as a standard. The enclosure maintains its protection due to the special construction of the door joints.

## GASKET

CUBIC's gasket system stands all well-known cleaning agents and may be flush cleaned. Our enclosures are equipped with a foamed polyurethane gasket. The gasket is applied to the doors as a liquid by a CNC special machinery. Prior to the application the contact surface is cleaned and primed to ensure an optimum attachment. The surface of the gasket is closed, and therefore cleaning is a hygienic process.
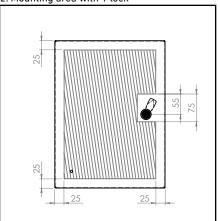
## ACCESSORIES

- Door with window IP66/IP69, IK02/IK10
- Observation door with frame
- Closing devices
- Door stop
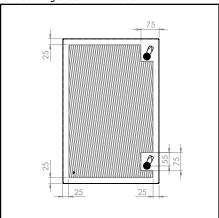- EMC protection


1. STA with single door
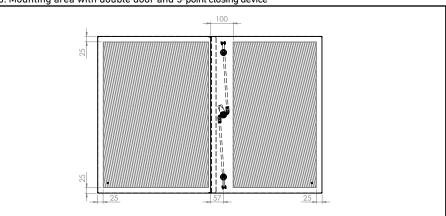

2. Mounting area with 1 lock


3. Mounting area with 2 locks


4. STA enclosure with double door


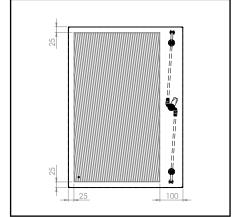5. Mounting area with double door and 3-point closing device


6. Fitting of gasket


7. Details of earthing and gasket


8. Mounting area w. single door and 3-point closing device

# HYG MOUNTING ENCLOSURES

HYG mounting enclosures, type HYG-STA, are manufactured for the industries with high demands on cleaning friendliness, protection and high finish. Special focus is put on the food and pharmaceutical industries.

The HYG mounting enclosure is mainly designed for mounting on walls, machinery or columns. The enclosure is fully welded and designed with a 5° HYG top or a 30° HYG top and drip cap.

The door is fitted with a PUR gasket and easy-to-clean and hygienic closing device. The mounting plate is executed in hot-galvanized steel plate.

All parts of the mounting enclosure are prepared for earthing.

Cutouts for connectors, push buttons, instruments, etc. are carried out on request. All HYG mounting enclosures are delivered in standard or special dimensions on request.

# MOUNTING ENCLOSURES - HYG

Stainless mounting enclosure, type HYG, is manufactured from 250x300 mm and up to 1200x1200 mm and in various depths.

MATERIAL: The enclosure is manufactured of 1.5 mm plate and delivered with a polished outer finish as a standard. The enclosure is as standard made of EN 1.4301 / AISI 304L.

On request also available in EN 1.4404 / AISI 316L.
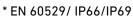
ON REQUEST:
STA 1.5 mm ATEX EX e version
STA 1.5 mm AISI 304 = -9620 (with 5° HYG top)
STA 1.5 mm AISI 304 = -9630 (with 30° HYG top and drip cap)

APPROVALS: IEC/EN 62208, IP66/IP69, IK10, UL Type 1, 3R, 4x, EMC and Exe.

| HYG MOUNTING ENCLOSURES | | | | |
|---|---|---|---|---|
| Type No. | Type No. | Dimension (mm) | | |
| 5° HYG top | 30° HYG top | W | H | D |
| 9620+253016-100 | 9630+253016-100 | 250 | 300 | 160 |
| 9620+403016-100 | 9630+403016-100 | 400 | 300 | 160 |
| 9620+104030-100 | 9630+104030-100 | 1000 | 400 | 300 |
| 9620+304020-100 | 9630+304020-100 | 300 | 400 | 200 |
| 9620+404022-100 | 9630+404022-100 | 400 | 400 | 220 |
| 9620+604022-100 | 9630+604022-100 | 600 | 400 | 220 |
| 9620+604030-100 | 9630+604030-100 | 600 | 400 | 300 |
| 9620+604035-100 | 9630+604035-100 | 600 | 400 | 350 |
| 9620+105030-100 | 9630+105030-100 | 1000 | 500 | 300 |
| 9620+405022-100 | 9630+405022-100 | 400 | 500 | 220 |
| 9620+505022-100 | 9630+505022-100 | 500 | 500 | 220 |
| 9620+508030-100 | 9630+508030-100 | 500 | 800 | 300 |
| 9620+106030-100 | 9630+106030-100 | 1000 | 600 | 300 |
| 9620+406022-100 | 9630+406022-100 | 400 | 600 | 220 |
| 9620+406035-100 | 9630+406035-100 | 400 | 600 | 350 |
| 9620+606022-100 | 9630+606022-100 | 600 | 600 | 220 |
| 9620+606035-100 | 9630+606035-100 | 600 | 600 | 350 |
| 9620+707022-100 | 9630+707022-100 | 700 | 700 | 220 |
| 9620+608022-100 | 9630+608022-100 | 600 | 800 | 220 |
| 9620+608030-100 | 9630+608030-100 | 600 | 800 | 300 |
| 9620+608035-100 | 9630+608035-100 | 600 | 800 | 350 |
| 9620+808022-100 | 9630+808022-100 | 800 | 800 | 220 |
| 9620+808030-100 | 9630+808030-100 | 800 | 800 | 300 |
| 9620+108022-100 | 9630+108022-100 | 1000 | 800 | 220 |
| 9620+108030-100 | 9630+108030-100 | 1000 | 800 | 300 |
| 9620+101030-100 | 9630+101030-100 | 1000 | 1000 | 300 |
| 9620+601230-100 | 9630+601230-100 | 600 | 1200 | 300 |
| 9620+801230-100 | 9630+801230-100 | 800 | 1200 | 300 |
| 9620+101230-100* | 9630+101230-100 | 1000 | 1200 | 300 |
| 9620+121240-100* | 9630+121240-100 | 1200 | 1200 | 400 |

* EN 60529/ IP66/IP69

# KKS JUNCTION BOXES

Another type of stainless junction boxes is the KKS box. This junction box is a hygienic enclosure, which means that it is specially developed and applicable for industries with extremely high demands on hygiene, e.g. the food and pharmaceutical industries. KKS has no horizontal surfaces, which prevents liquid from compiling. The slanted surfaces make the junction box extremely suitable for dusty and wet environments.

The lid may be removed, and the components may be reached from both top, sides and front. In brief, a junction box with first class service-friendliness.

KKS is available with lid and a 30 or 45 degree incline. The KKS junction box is manufactured of 1.5 mm plate EN 1.4301/ AISI 304L steel but may be delivered in EN 1.4404/AISI 316L steel on request. Regardless of the solution it is delivered with a polished outer finish.

It is possible to mount hygiene friendly spacers on KKS. KKS is delivered ready for mounting.

## JUNCTION BOX - KKS

Stainless junction box, type KKS, is available with a variety of lid versions and depth dimensions. KKS is a hygienic box for the food and medical industries.

KKS is designed with a slanted top. The service-friendliness is first class, as the lid may be removed, and the components may be reached from both top, sides and front. The slanted surfaces make the box optimal in dusty areas.

MATERIAL:  As a standard the junction box is manufactured of EN 1.4301 / AISI 304L. On request also available in EN 1.4404 / AISI 316L.
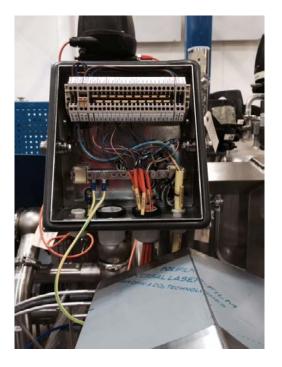
ACCESSORIES:  : May e.g. be mounted with hygiene friendly spacers, type No.  9580-01028. Material: Aa a standard the junction boxes are manufactured of 1.5 mm plate EN 1.4301 / AISI 304L.

ON REQUEST:  Also available in EN 1.4404 / AISI 316L.

APPROVALS:  IEC/EN 62208, IP65, IK10.

| KKS JUNCTION BOXES | DIMENSION (mm) | | |
|---|---|---|---|
| Type No. | W | H | D |
| 30° LID | | | |
| 9656+151512-100 | 150 | 150 | 120 |
| 9656+202012-100 | 200 | 200 | 120 |
| 9656+303016-100 | 300 | 300 | 160 |
| 9656+404016-100 | 400 | 400 | 160 |
| 45° LID | | | |
| 9655+151512-100 | 150 | 150 | 120 |
| 9655+202012-100 | 200 | 200 | 120 |
| 9655+303016-100 | 300 | 300 | 160 |
| 9655+404016-100 | 400 | 400 | 160 |

# STB MOUNTING CABINETS

STB mounting cabinets are strong, stainless cabinets, which as standard start at 1000x1000 mm going up to a width of 1600 mm and a height of 2000 mm. The cabinets are placed in the size area between the light mounting enclosure, type STA, and the modular floor cabinet, type GLV.

The type of cabinet is applied in industries with high demands on protection, surface quality and long life, e.g. within the food, pharmaceutical and offshore industries.

The cabinets are manufactured of 2 mm polished, stainless plate, and are fully welded. They are fitted with a strong hinge and closing function, and the gasket of the door is a fluently added?? polyurethane with a high durability ensuring the correct protection. The door has an opening angle of 120°.

The contact surface of the cabinets towards the door is designed with a groove profile leading away any liquid and providing the best contact surface to the door gasket.

The degree of protection is IEC/EN 62208, IP66/IP69, IK10.

The cabinets are UL approved up to a width of 1200 mm and may be supplied with a cutout and in special dimensions.
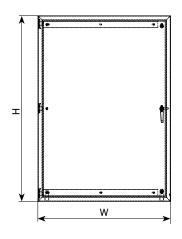
**STAINLESS MOUNTING CABINET:** Type STB, is a stronger version of STA and manufactured in various depths up to a size of 1600x2000 mm.
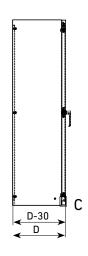
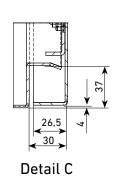**ACCESSORIES:** The cabinet is mountable on a base.

**MATERIAL:** The cabinet is manufactured in 2.0 mm EN 1.4301 / AISI 304L and EN 1.4404 / AISI 316L with a polished finish.
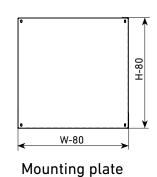
**APPROVALS:** IEC/EN 60529/IEC/EN 62208, IP66/IP69, IK10, UL Type 1, 3R, 4x.

Detail C

Mounting plate

| STB MOUNTING CABINETS | DIMENSION, CABINET (mm) | | | DOOR SYSTEM | |
|---|---|---|---|---|---|
| | | | | SINGLE | DOUBLE |
| Type No. | W | H | D | | |
| 9610+801440-100 | 800 | 1400 | 400 | • | |
| 9610+801640-100 | 800 | 1600 | 400 | • | |
| 9610+801840-100 | 800 | 1800 | 400 | • | |
| 9610+801850-100 | 800 | 1800 | 500 | • | |
| 9610+802040-100 | 800 | 2000 | 400 | • | |
| 9610+101030-100 | 1000 | 1000 | 300 | • | |
| 9610+101040-100 | 1000 | 1000 | 400 | • | |
| 9610+101230-100 | 1000 | 1200 | 300 | • | |
| 9610+101240-100 | 1000 | 1200 | 400 | • | |
| 9610+101430-100 | 1000 | 1400 | 300 | • | |
| 9610+101440-100 | 1000 | 1400 | 400 | • | |
| 9610+101640-100 | 1000 | 1600 | 400 | • | |
| 9610+101840-100 | 1000 | 1800 | 400 | • | |
| 9610+102040-100 | 1000 | 2000 | 400 | • | |
| 9610+121030-100* | 1200 | 1000 | 300 | | • |
| 9610+121040-100* | 1200 | 1000 | 400 | | • |
| 9610+121230-100* | 1200 | 1200 | 300 | | • |
| 9610+121240-100* | 1200 | 1200 | 400 | | • |
| 9610+121440-100* | 1200 | 1400 | 400 | | • |
| 9610+121640-100* | 1200 | 1600 | 400 | | • |
| 9610+121650-100* | 1200 | 1600 | 500 | | • |
| 9610+121840-100* | 1200 | 1800 | 400 | | • |
| 9610+121850-100* | 1200 | 1800 | 500 | | • |

# MOUNTING CABINETS - STB (CONTINUED)

| STB MOUNTING CABINETS | DIMENSION, CABINET (mm) | | | DOOR SYSTEM | |
|---|---|---|---|---|---|
| | | | | SINGLE | DOUBLE |
| Type No. | W | H | D | | |
| 9610+148040-100* | 1400 | 800 | 400 | | • |
| 9610+148050-100* | 1400 | 800 | 500 | | • |
| 9610+141040-100* | 1400 | 1000 | 400 | | • |
| 9610+141050-100* | 1400 | 1000 | 500 | | • |
| 9610+141240-100* | 1400 | 1200 | 400 | | • |
| 9610+141250-100* | 1400 | 1200 | 500 | | • |
| 9610+168040-100* | 1600 | 800 | 400 | | • |
| 9610+168050-100* | 1600 | 800 | 500 | | • |
| 9610+161040-100* | 1600 | 1000 | 400 | | • |
| 9610+161050-100* | 1600 | 1000 | 500 | | • |
| 9610+161240-100* | 1600 | 1200 | 400 | | • |
| 9610+161640-100* | 1600 | 1600 | 400 | | • |
| 9610+161650-100* | 1600 | 1600 | 500 | | • |
| 9610+161840-100* | 1600 | 1800 | 400 | | • |
| 9610+188040-100* | 1800 | 800 | 400 | | • |
| 9610+188050-100* | 1800 | 800 | 500 | | • |
| 9610+188060-100* | 1800 | 800 | 600 | | • |
| 9610+181040-100* | 1800 | 1000 | 400 | | • |
| 9610+181050-100* | 1800 | 1000 | 500 | | • |
| 9610+181060-100* | 1800 | 1000 | 600 | | • |
| 9610+181240-100* | 1800 | 1200 | 400 | | • |
| 9610+181250-100* | 1800 | 1200 | 500 | | • |
| 9610+181260-100* | 1800 | 1200 | 600 | | • |
| 9610+802040-100* | 800 | 2000 | 400 | | • |
| 9610+802050-100* | 800 | 2000 | 500 | | • |
| 9610+802060-100* | 800 | 2000 | 600 | | • |
| 9610+102040-100* | 1000 | 2000 | 400 | | • |
| 9610+102050-100* | 1000 | 2000 | 500 | | • |
| 9610+102060-100* | 1000 | 2000 | 600 | | • |
| 9610+122040-100* | 1200 | 2000 | 400 | | • |
| 9610+122050-100* | 1200 | 2000 | 500 | | • |
| 9610+122060-100* | 1200 | 2000 | 600 | | • |
| 9610+162040-100* | 1600 | 2000 | 400 | | • |
| 9610+162050-100* | 1600 | 2000 | 500 | | • |
| 9610+162060-100* | 1600 | 2000 | 600 | | • |

* EN 60529/ IP66/IP69, IK10

# GLV FLOOR CABINETS

The floor cabinet, type GLV, builds on our carefully thought out construction principles, and appear in a strong design with a high degree of protection.

The cabinets are delivered in EN 1.4301 / AISI 304L or on request in acid-proof EN 1.4404 / AISI 316L, and the clear lines of the cabinets make them well-suited for installation in any industrial environment.

The floor cabinets are particularly suitable for application in the food and pharmaceutical and offshore industries. The cabinets are well-suited for mounting directly on a flat floor, against a wall or for integration in a machine.

The GLV type is available in one height, four widths and three depths. The cabinets may be used individually or assembled on bases for larger units.
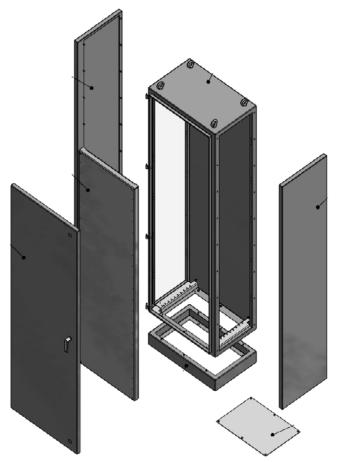
The cabinet frame is fully welded with a fixed rear and a top.

The sides are open, as well as the front and bottom, in order to create the best combination options for the specific customer purposes.

The GLV cabinets are delivered pre-assembled according to customer specifications.

The mounting plate is manufactured of 2.5 mm galvanized steel. All outer surfaces are polished. GLV floor cabinets are as standard supplied with a protection degree of IP66/IP69, IK10.

The GLV floor cabinets may be delivered with a UL approval.



The GLV type is built around a base cabinet and various accessories, depending on the specification required for the specific tasks.

# FLOOR CABINETS - GLV

## GLV FLOOR CABINETS

Stainless steel floor cabinet type GLV is as a standard manufactured in a height of 2000 mm and widths of 400, 600, 800 and 1200 mm. For all widths the depth is 400, 500 or 600 mm. (On request up to 1200 mm depth).

The cabinet consists of: Base cabinet, fully welded frame with open sides and bottom, a mounting plate and a door.

The cabinets are manufactured in EN 1.4301 / AISI 304L and with a polished finish as standard. Extra mounting plate, flange plate, base, etc. are available as accessories.

Cabinets can be delivered assembled on a common base.

## APPROVALS:

IEC/EN 62208, IP66/IP69, IK10,  UL Type 1, 3R, 4X.

# FLOOR CABINETS - GLV, D = 400 MM

| TYPE NO. | W X H X D mm |
|---|---|
| 9690+402040-100 | 400x2000x400 |
| 9690+602040-100 | 600x2000x400 |
| 9690+802040-100 | 800x2000x400 |
| 9690+122040-100* | 1200x2000x400 |
| SIDE WALLS (1 SET OF 2 UNITS) | |
| 9680+3240-100 til 9690+XX2040 | |
| DIVIDERS | |
| 9680+3241-100 til 9690+XX2040 | |
| BASE, HEIGHT 100 mm | |
| 9680+0200 til 9690+402040 | |
| 9680+0201 til 9690+602040 | |
| 9680+0202 til 9690+802040 | |
| 9680+0203 til 9690+122040 | |
| BASE, HEIGHT 200 mm | |
| 9680+0204 til 9690+402040 | |
| 9680+0205 til 9690+602040 | |
| 9680+0206 til 9690+802040 | |
| 9680+0207 til 9690+122040 | |
| MOUNTING PLATES | |
| 9690+4020-103 til 9690+402040 | |
| 9690+8020-103 til 9690+802040 | |
| 99690+1220-103 til 9690+122040 | |
| FLANGE PLATES | |
| 9680+3721-100 til 9690+402040 | |
| 9680+3722-100 til 9690+602040 | |
| 9680+3723-100 til 9690+802040 | |

* EN 60529/ IP66/IP69, IK10

## FLOOR CABINETS - GLV, D = 500 MM

| Type No. | W X H X D mm |
|---|---|
| 9690+402050 | 400x2000x500 |
| 9690+602050 | 600+2000x500 |
| 9690+802050 | 800x2000x500 |
| 9690+122050* | 1200x2000x500 |
| SIDE WALLS (1 SET OF 2 UNITS) | |
| 9680+3250-100 til XX2050 | |
| DIVIDERS | |
| 9680+3251-100 til XX2050 | |
| BASE, HEIGHT 100 mm | |
| 9680+0208 til 9690+402050 | |
| 9680+0209 til 9690+602050 | |
| 9680+0210 til 9690+802050 | |
| 9680+0211 til 9690+122050 | |
| BASE, HEIGHT 200 mm | |
| 9680+0212 til 9690+402050 | |
| 9680+0213 til 9690+602050 | |
| 9680+0214 til 9690+802050 | |
| 9680+0215 til 9690+122050 | |
| MOUNTING PLATES | |
| 9690+4020-103 til 9690+402050 | |
| 9690+6020-103 til 9690+602050 | |
| 9690+8020-103 til 9690+802050 | |
| 9690+1220-103 til 9690+122050 | |
| FLANGE PLATES | |
| 9680+3725-100 til 9690+402050 | |
| 9680+3726-100 til 9690+602050 | |
| 9680+3727-100 til 9690+802050 | |
| 9680+3728-100 til 9690+122050 | |

* EN 60529/ IP66/IP69, IK10

## FLOOR CABINETS - GLV, D = 600 MM

| TYPE NO. | W X H X D mm |
|---|---|
| 9690+402060 | 400x2000x600 |
| 9690+602060 | 600x2000x600 |
| 9690+802060 | 800x2000x600 |
| 9690+122060* | 1200x2000x600 |
| SIDE WALLS (1 SET OF 2 UNITS) | |
| 9680+3260-100 til XX2060 | |
| DIVIDERS | |
| 9680+3252-100 til XX2060 | |
| BASE, HEIGHT 100 mm | |
| 9680+0216 til 9690+402060 | |
| 9680+0217 til 9690+602060 | |
| 9680+0218 til 9690+802060 | |
| 9680+0219 til 9690+122060 | |
| BASE, HEIGHT 200 mm | |
| 9680+0220 til 9690+402060 | |
| 9680+0221 til 9690+602060 | |
| 9680+0222 til 9690+802060 | |
| 9680+0223 til 9690+122060 | |
| MOUNTING PLATES | |
| 9690+4020-103 til 9690+402060 | |
| 9690+6020-103 til 9690+602060 | |
| 9690+8020-103 til 9690+80206 | |
| 9690+1220-103 til 9690+122060 | |
| FLANGE PLATES | |
| 9680+3729-100 til 9690+802060 | |
| 9680+3741-100 til 9690+402060 | |
| 9680+3742-100 til 9690+602060 | |
| 9680+3743-100 til 9690+122060 | |

* EN 60529/ IP66/IP69, IK10

# STC SYSTEM CABINETS

The system cabinet, type STC, is based on our competent Design to Value design principles and appear in a robust design with a high degree of protection.
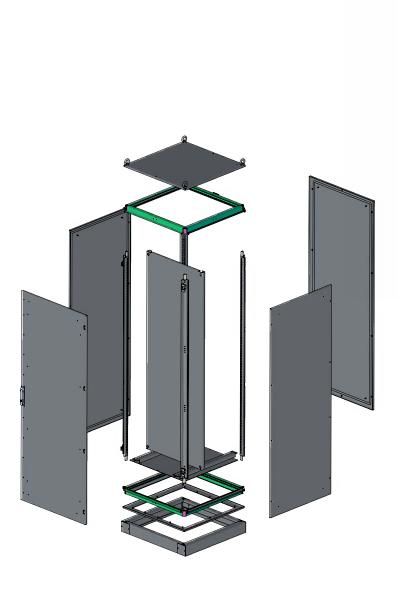
The cabinets are delivered in powder coated EN 1.0226/galvanized steel or on request in AISI 304/AISI 316L. Detachable parts make it possible to distribute and deliver in flat pack.

The STC type is available in various dimensions and can be used individually or assembled for a system application. The cabinet frame is made by 1.5 mm galvanized steel which give it a strong structure and high anti-corrosion level.

Customers can choose different plinth designs to adapt to their applications.
Customers can choose flat pack or pre-assembled according to different situations.

The mounting plate of STC type is manufactured of 2.5 mm galvanized steel and adjustable in the cabinet with bracket accessories.

STC system cabinets are only available for the Asia Pacific market.

# STC SYSTEM CABINETS – ONLY AVAILABLE FOR THE ASIA PACIFIC MARKET

## STC SYSTEM CABINETS

STC system cabinets are as a standard manufactured in a height of 2000 mm and widths of 400, 600, 800, 1000 and 1200 mm. For all widths, the depth is 400, 500, 600 or 800 mm. (On request up to 1200 mm depth).

The cabinet consists of: plinth, assembly frame, side covers, top and bottom covers, mounting plate, door.
The cabinets are manufactured in mild steel with powder coating. The color can be changed according to requirements.

Extra mounting plates, gland plates, beams,180-degree hinges, etc. are available as accessories.

## APPROVALS:
IEC/EN 62208, IP54, IK10.

| STC SYSTEM CABINETS | DIMENSION, CABINET (mm) | | | DOOR SYSTEM | |
| --- | --- | --- | --- | --- | --- |
| | | | | SINGLE | DOUBLE |
| Type No. | W | H | D | | |
| 9750+401850 | 400 | 1800 | 500 | • | |
| 9750+402050 | 400 | 2000 | 500 | • | |
| 9750+401860 | 400 | 1800 | 600 | • | |
| 9750+601250 | 600 | 1200 | 500 | • | |
| 9750+601450 | 600 | 1400 | 500 | • | |
| 9750+601650 | 600 | 1600 | 500 | • | |
| 9750+601840 | 600 | 1800 | 400 | • | |
| 9750+601850 | 600 | 1800 | 500 | • | |
| 9750+601860 | 600 | 1800 | 600 | • | |
| 9750+602040 | 600 | 2000 | 400 | • | |
| 9750+602050 | 600 | 2000 | 500 | • | |
| 9750+602060 | 600 | 2000 | 600 | • | |
| 9750+602080 | 600 | 2000 | 800 | • | |
| 9750+801250 | 800 | 1200 | 500 | • | |
| 9750+801450 | 800 | 1400 | 500 | • | |
| 9750+801650 | 800 | 1600 | 500 | • | |
| 9750+801850 | 800 | 1800 | 500 | • | |
| 9750+801860 | 800 | 1800 | 600 | • | |
| 9750+801840 | 800 | 1800 | 400 | • | |
| 9750+801850 | 800 | 1800 | 500 | | • |
| 9750+801860 | 800 | 1800 | 600 | | • |
| 9750+802040 | 800 | 2000 | 400 | • | |
| 9750+802050 | 800 | 2000 | 500 | • | |
| 9750+802060 | 800 | 2000 | 600 | • | |
| 9750+802080 | 800 | 2000 | 800 | • | |
| 9750+101840 | 1000 | 1800 | 400 | | • |
| 9750+101850 | 1000 | 1800 | 500 | | • |
| 9750+102060 | 1000 | 2000 | 600 | | • |
| 9750+102040 | 1000 | 2000 | 400 | | • |
| 9750+102040 | 1000 | 2000 | 400 | • | |
| 9750+121250 | 1200 | 1200 | 500 | | • |
| 9750+121450 | 1200 | 1400 | 500 | | • |
| 9750+121650 | 1200 | 1600 | 500 | | • |
| 9750+121840 | 1200 | 1800 | 400 | | • |
| 9750+121850 | 1200 | 1800 | 500 | | • |
| 9750+121860 | 1200 | 1800 | 600 | | • |
| 9750+122040 | 1200 | 2000 | 400 | | • |
| 9750+122050 | 1200 | 2000 | 500 | | • |
| 9750+122060 | 1200 | 2000 | 600 | | • |
| 9750+122080 | 1200 | 2000 | 800 | | • |

# CONTROL PANEL

The BTP control panel is applied as a machine control desk which by means of a suspension can be placed at the optimum location for the operation.

In the BTP control cabinet displays, push buttons, potentiometers, foil keyboards and touch screens can be mounted.

Cutouts in the panel can be made on request, and the suspension system may be adapted to the individual tasks. The system allows for the possibility of fastening of horizontal as well as vertical surfaces, and accessories in the form of flanges, pivot joints, swivels and brackets are available. The panel can thus be pivoted around a vertical axis and adjusted individually by the individual operator.

The BTP control panel is fitted with a STA type door.

Protection is IEC/EN 62208, IP66/IP69, IK10.

The cable lead-in is min. ø38 mm.

# CONTROL PANEL - BTP

Stainless steel cabinet, type BTP, for i.a. swivel arm, pivot joints, flanges and wall brackets which allow the control panel to be attached where nessary.

Are available in the widths 340, 410 and 500 mm with the opportunity of mounting an extra plexi glass shield over the screen and keyboard in the form of PLX covers.

### MATERIAL:
As standard delivered in EN 1.4301 / AISI 304L polished.

### GASKET:
The gasket is a fluently added polyurethane foam without joints.

### EARTHING:
The panel is fitted with earth bolts.

### MOUNTING PLATES:
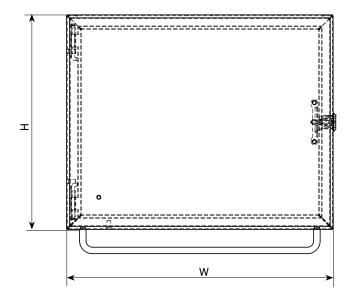Mounting plate is not a standard in the panel.

### DOOR LOCK:
Stainless DIN 3 double bit lock.
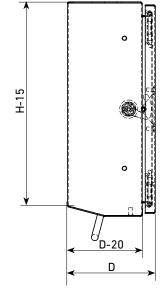The lock is at the side of the panel.

### APPROVALS:
The panel is IEC/EN 62208, IP66/IP69, IK10 approved and is available with a UL Type 1, 3R/4 or 4X mark.

### ACCESSORIES:
* Pivot joints, swivels and bracket for wall mounting – on request
* PLX plexi glass shield
* Swivel arm

| BTP - PANEL | DIMENSION (mm) | | |
|---|---|---|---|
| TYPE NO. | W | H | D |
| 9665+343013-100 | 340 | 300 | 135 |
| 9665+413013-100 | 410 | 300 | 130 |
| 9665+503613-100 | 500 | 360 | 135 |

![CUBIC - A Rockwell Automation Company]

# ACCESSORIES

CUBIC's accessory programme includes various applications within our standard and customized enclosures.

The accessory programme i.a. includes a wide selection of various possibilities of covering for HMI panels, air locks with appurtenant ventilators, doors with windows, etc.

## OBSERVATION DOOR - OBR

### STAINLESS OBSERVATION DOOR

Stainless observation door, type OBR, is mounted on an existing enclosure to obtain IP69 protection around the components mounted in the cabinet. The OBR door is as standard available in sizes from 400x400 mm to 800x800.
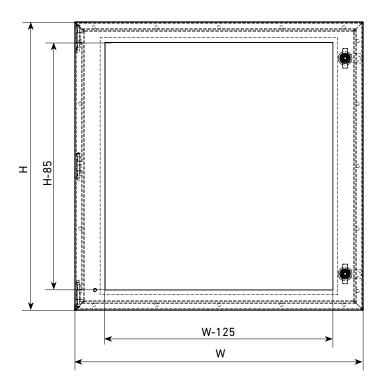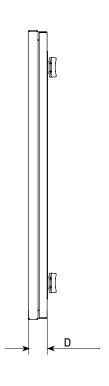A polycarbonate window is inserted in the door.

### MATERIAL:

Delivered either in EN 1.4301 / AISI 304L or EN 1.4404 / AISI 316L.

### APPROVALS:

IEC/EN 62208, IP66/IP69, IK10, max. 490x490 mm.
UL Type 4X, max. 590x590 mm.

| OBR OBSERVATION DOOR | DIMENSION (mm) | | |
|---|---|---|---|
| Type No. | W | H | D |
| 9670+404038-100 | 390 | 390 | 38 |
| 9671+404038-100* | 390 | 390 | 38 |
| 9670+604038-100 | 590 | 390 | 38 |
| 9671+604038-100* | 590 | 390 | 38 |
| 9670+505038-100 | 490 | 490 | 38 |
| 9671+505038-100* | 490 | 490 | 38 |
| 9670+606038-100 | 590 | 590 | 38 |
| 9671+606038-100* | 590 | 590 | 38 |

*Ul type 4x

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## PLEXIGLAS LID, PLX

The plexi glass lid is mounted on control panels, touch screens and displays to protect the components against the water pressure during cleaning. The lid is lifted for handling and falls back to the original position, when it is released.
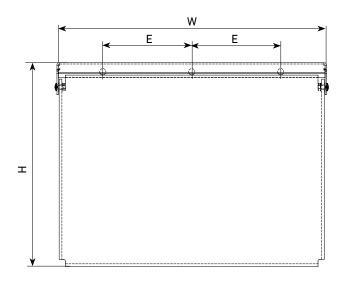
PLX is customized for our BTP panels, but is mountable on all types of enclosures by means of weld studs or bolts.

## MATERIAL:

PLX is manufactured of a combination of stainless steel / plexi glass, and is standard in the widths 203, 303, 370 and 460 mm. The rack is made of stainless steel EN 1.4301 / AISI 304L polished.

## MOUNTING:

Mounted with either M5x10 mm weld studs or bolts.

PLX MAY BE MOUNTED ON THE BELOW:
- BTP operation panels
- STA and STB mounting enclosures
- GLV floor cabinets



| PLX – PLEXI GLASS PROTECTION | DIMENSION (mm) | | | FASTENING DIMENSION (mm) | FASTENING BOLTS |
|---|---|---|---|---|---|
| Type No. | W | H | D | E | |
| 9660+202303-100 | 203 | 228 | 35 | 75 | 3xM5x10 mm |
| 9660+302303-100 | 303 | 228 | 35 | 100 | 3xM5x10 mm |
| 9660+372303-100 | 370 | 228 | 35 | 135 | 3xM5x10 mm |
| 9660+462303-100 | 460 | 228 | 35 | 180 | 3xM5x10 mm |

# DOOR W/WINDOW - STA MOUNTING ENCLOSURES

## WINDOWS

CUBIC's window door in the STA design is based on the standard product. The door with fully welded hinges and PUR gasket is prepared with a laser cut hole for the window. The processing made by laser means that the adaption of the window is optimal.

## ON REQUEST:

On request also available in EN 1.4404 / AISI 316L.

## APPROVALS

IEC/EN 62208, IP66/IP69, IK02.
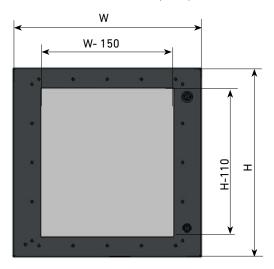
The polycarbonate window is level with the outer side of the door, which is of great importance to the cleaning process.

The window is available as standard for all STA enclosures with one door. Special dimensions of the windows may be ordered.

### WITH WINDOW FRAME (IK10)



| DOOR WITH WINDOW FRAME | | |
|---|---|---|
| Type No. | FITS STA | |
| | W (mm) | H (mm) |
| 9600+1545-120 | 150 | 450 |
| 9600+2530-120 | 250 | 300 |
| 9600+3040-120 | 300 | 400 |
| 9600+4030-120 | 400 | 300 |
| 9600+4040-120 | 400 | 400 |
| 9600+4050-120 | 400 | 500 |
| 9600+4060-120 | 400 | 600 |
| 9600+5050-120 | 500 | 500 |
| 9600+6040-120 | 600 | 400 |
| 9600+6060-120 | 600 | 600 |
| 9600+6080-120* | 600 | 800 |
| 9600+6012-120* | 600 | 1200 |
| 9600+7070-120* | 700 | 700 |
| 9600+8050-120* | 800 | 500 |
| 9600+8080-120* | 800 | 800 |
| 9600+8010-120* | 800 | 1000 |
| 9600+8012-120* | 800 | 1200 |

* With window frame

### WITHOUT WINDOW FRAME (IK02)

**CUBIC'S INSTRUMENT PLATES**
are mounted in the bore of the STA enclosure. The hinges of the instrument plates are welded on the groove profile. This makes the construction very strong and ideal for instrument mounting, where a high protection is required.

The instrument plate is often mounted in connection with a door with window.

The instrument plate should be opened with a tool – the opening angle is 180 degrees.

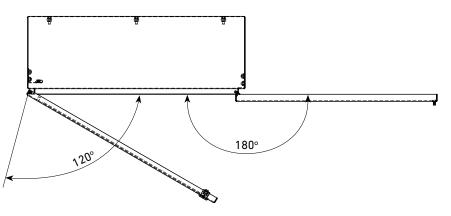The instrument plate is delivered as standard for all STA enclosures with one door.

Special dimensions of the instrument plate may be ordered.

| INSTRUMENT PLATES | FITS STA | |
|---|---|---|
| Type No. | W (mm) | H (mm) |
| 9600+1545-130 | 150 | 450 |
| 9600+2530-130 | 250 | 300 |
| 9600+3040-130 | 300 | 400 |
| 9600+4030-130 | 400 | 300 |
| 9600+4040-130 | 400 | 400 |
| 9600+4050-130 | 400 | 500 |
| 9600+4060-130 | 400 | 600 |
| 9600+5050-130 | 500 | 500 |
| 9600+6040-130 | 600 | 400 |
| 9600+6060-130 | 600 | 600 |
| 9600+6080-130 | 600 | 800 |
| 9600+6012-130 | 600 | 1200 |
| 9600+7070-130 | 700 | 700 |
| 9600+8050-130 | 800 | 500 |
| 9600+8080-130 | 800 | 800 |
| 9600+8010-130 | 800 | 1000 |
| 9600+8012-130 | 800 | 1200 |

120°

180°

## ENCLOSURES FOR EXPLOSIVE ENVIRONMENTS - ATEX AND IECEX

CUBIC's KLM and STA enclosures are Ex approved
for permanent installations in zone 1 and 2 according to EN 60079-10-1
or in zone 21 and 22 with reference to EN 60079-10-2.

Marking with reference to 2014/34/EU:
II 2G Ex eb IIC Gb
II 2D Ex tb IIIC IP66 Db
Marking with reference to IECEx Scheme:
Ex e IIC Gb
Ex tb IIIC IP66 Db

CUBIC's KLM and STA enclosures are delivered with a U certificate (component certificate), which is an empty enclosure, however for the STA enclosure it includes a mounting plate. (Max. W x H x D: 800x1200x1000 mm).

Enclosures may be delivered in EN 1.4301 / AISI 304L or EN 1.4404 / AISI 316L with or without a flange plate.

For ventilation of the mounting enclosures a system of airlocks and ventilators with appurtenant filters may be delivered. The airlocks are available in two types – one with labyrinth gasket in the air intake and approved for IPX6, and one which is partly open in the air intake.

The airlocks are mounted at the exterior of the enclosure, and work as covering in front of the filter.

Both types of airlocks are delivered with a rubber gasket.

The airlocks may be delivered in three sizes, and are as standard manufactured in 1.5 mm polished stainless steel, AlSl 316. The ventilators may be delivered with different voltages. If they are mounted on CUBIC's enclosures, they may be delivered with a UL Type 1 mark.

## SYSTEM STRUCTURE

1. Grid in plastic with filter

2. Airlocks in stainless steel

3. Ventilator

4. Gasket

# AIRLOCK WITH IPX6

## AIRLOCKS IN STAINLESS STEEL

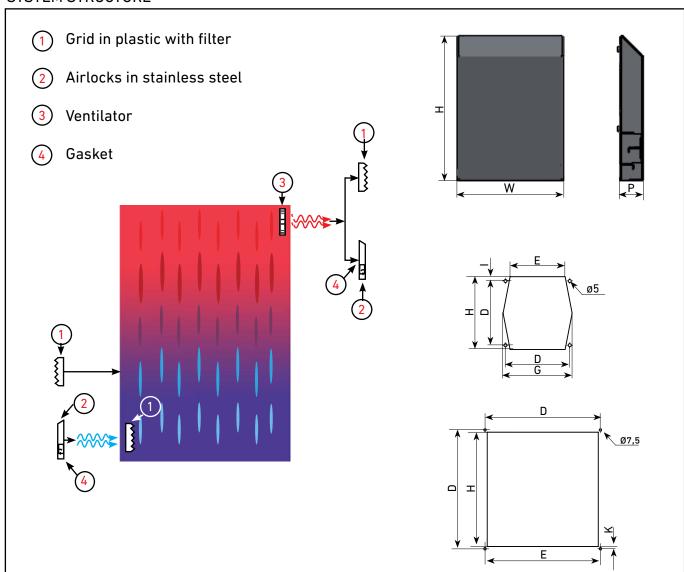Airlocks of stainless steel, which are used for protecting the ventilation openings in enclosures with a heating effect to be removed.

The airlocks are mounted at the exterior of the enclosure, and work as covering in front of the filter. The airlocks are available in two variants, one with labyrinth gasket with a protection degree of IPX6, and one which is completely open at the bottom. (This variant has no approval).

## ACCESSORIES:
- Ventilator
- Filter

## MATERIAL:

The airlocks are as standard manufactured in 1.5 mm polished stainless steel – EN 1.4301 / AISI 316L. The airlocks may be combined with ventilators and filters kept in stock.

## DEGREE OF PROTECTION

Both types of airlocks are supplied with a rubber gasket.
The types with labyrinth gasket are approved for IK10, IP16D/IP19D.

## APPROVALS:

IEC/EN 62208
If they are mounted on CUBIC's enclosures, they may be delivered with a UL Type 1 mark.

| AIRLOCK WITH IPX6 | Dimension (mm) | | | Cutout for airlock (mm) | | | | | | | Ventilators, pos.3 | | Plastic grid w/filter, pos. 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type No. | Width W | Heigth H | Depth D | D | E | | G | H | I | K | Del. in 230V and 24V DC | Ø (mm) | |
| AIRLOCK WITH LABYRINTH AND GASKET | | | | | | | | | | | | | |
| 9680+0101 | 100 | 152 | 30 | 71 | 50 | | 77 | 78 | 13 | 6 | 9680+0109 (230V) / 9680+0110 (24V) | 78 | 9680+0106 |
| 9680+0102 | 140 | 192 | 30 | 105 | 90 | | 113 | 119 | 17 | 8 | 9680+0111 (230V) / 9680+0112 (24V) | 114 | 9680+0107 |
| 9680+0103 | 259 | 365 | 60 | 234 | 225 | | 225 | 225 | 14 | 5 | | 140 | 9680+0108 |
| AIRLOCK WITHOUT LABYRINTH, WITH GASKET | | | | | | | | | | | | | |
| 9680+0104 | 100 | 152 | 53 | 71 | 50 | | 77 | 78 | 13 | 6 | 9680+0109 (230V) / 9680+0110 (24V) | 78 | 9680+0106 |
| 9680+0105 | 140 | 200 | 60 | 105 | 90 | | 113 | 119 | 17 | 8 | 9680+0111 (230V) / 9680+0112 (24V) | 114 | 9680+0107 |

*Example of order for a complete set as illustrated on the drawing:*
*Airlocks with labyrinth sealing in AISI 316L, ventilator for ø78 mm for 230V and filter:*
*2 units 9680+0101,1 unit 9680+0109 and 1 unit 9580+0106*

# CUSTOMIZED SOLUTIONS

CUBIC's customized solutions are found in all feasible environments and industries. The solutions are especially used within train service, transport, pharmaceutical, food processing, electronic and wind industries as well as offshore. I.e. industries where production or surroundings are of such nature that special demands are made to the enclosure of the electrical control systems, etc.

We deliver quality and unique solutions – from idea to the finished product.

At CUBIC we are very conscious that continuous product development and control and the possibility of customized solutions are decisive parameters, when future solutions are chosen. We manufacture individual solutions with regard to material, design, colour and protection. We supply ready to use products with no need for further processing or cutouts.

Based on this we have high demands to our employees, so the customer's wishes may quickly be converted to a complete and up-to-date product.

For production we have new and modern CNC facilities as well as welding and bending robots at our disposal.

Ongoing investments in our production facilities, improving and maintaining the employees' qualifications make it feasible to mass-produce even large high-quality customized solutions at competitive prices. Our production is well-documented, flexible and quickly adaptable – which apart from a quick delivery means absolute uniformity at reordering.

## IDENTIFICATION OF NEEDS
Needs and wishes differ! We are extremely aware of that. Therefore, we appreciate a close co-operation with our customers at the time of construction and design making it possible for our customers to benefit from our know-how, and thus ensure the customers the very best solution. In relation to development and construction of the enclosure we offer 3D visualisation.

# CUSTOMIZED SOLUTIONS

## QUALITY & FINISH

At CUBIC we offer the same high quality regardless of the product – time after time.

Our quality is exquisite, but we provide the opportunity of adapting the finish of the enclosure to match the application of the product. We offer 3 levels of finish: F1 (highest finish), F2 and F3. Standard = F2.

## APPEARANCE

CUBIC's customized solutions are available in powder painted or stainless steel version. The stainless steel is available in either EN 1.4301 / AISI 304L steel or acid-proof EN 1.4404 / AISI 316L steel.

# CUSTOMIZED SOLUTIONS

## SEGMENTS

CUBIC's customized solutions are found in all industries and environments, where high quality and finish are a demand – indoor as well as outdoor.

CUBIC's solutions are i.a. applied within the segments:

- Medical/pharmaceutical industry
- Food industry
- Infrastructure
- Wind
- Offshore
- Marine
- Automotive
- Process industry
- Outdoor
- Telecommunication

# APPROVALS AND TESTS

Selecting products from CUBIC is not just a simple choice between one enclosure system or another. CUBIC should be selected, when you require one of the most thoroughly tested systems in the market, and want to be confident about the validity of tests, which have been carried through. At CUBIC we have high faith in our products and solutions, and all tests are carried through by leading, independent and established test laboratories such as DEKRA, DNV and UL. Our guarantees do not stand alone, which is your guarantee.

UL currently makes tests from CUBIC's production, and DNV revises relevant products and procedures. Besides, CUBIC's Q system is certified according to ISO 9001.

The quality system is verified by DNV.

## TESTS

It is essential to CUBIC to offer our partners documented solutions, which fulfil all wishes and demands.
This also applies to tests. CUBIC therefore offers pretested solutions, which cover almost all needs.

| TYPE | KLM | KKS | STA | STB | STC | GLV | HYG | BTP | OBR | CUSTOMIZED |
|---|---|---|---|---|---|---|---|---|---|---|
| IEC/EN 62208 | • | • | • | • | • | • | • | • | • | • |
| - IK10 | • | • | • | • | • | • | • | • | • | • |
| -IP66 | • | IP65 | • | • | IP55 | • | • | • | • | • |
| -IP69 | • | | • | • | | • | • | • | • | • |
| UL | • | | • | • | | • | • | • | • | • |
| EMC | | | | | | | | | | • |
| ATEX | • | | • | | | | | | | • |

### IEC/EN 62208
Test and approval include the entire standard programme and customized enclosures without limitations to outer geometry, form and depth.

### HEAT CALCULATION
IEC/EN 62208 thermal loss calculator for most enclosure sizes can be found on our website www.cubic.eu

### UL APPROVALS
UL Type 1, 3R and 4X is valid for the standard programme as well as customized enclosures without limitations to outer geometry, form and depth.

**Framing the power of customized solutions.**

We offer completely customized solutions designed for your unique requirements as well as a standard collection of stainless enclosures quickly fitted to meet most demands. Along with your choice of material, design, colour and degree of protection, we solve mechanical and electro-technical questions and provide a product completely ready for installation with no need for extra processing.
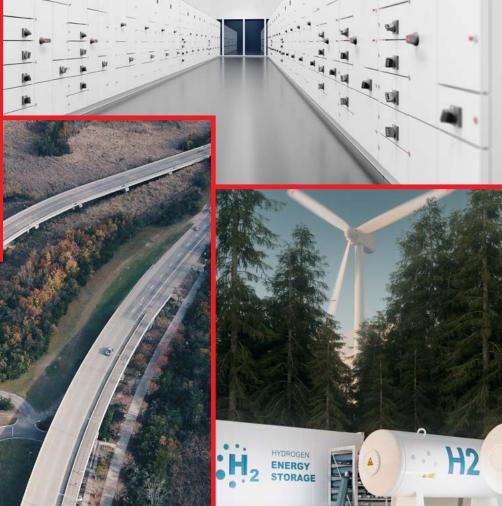
# Worldwide solutions

The world's industries play a significant part in developing the socio- economy by contributing to exports, job creation and consumer consumption.

As the various industries cover many areas, the unique adaptability and agile customization aspects of our products are ideal for meeting the specific demands of any individual industry.

The versatility of our unique product concepts and strong focus on business intimacy has made us as a renowned supplier of electrical switchboard solutions across the globe.

We deliver solutions that ensures top of the line dependability along with the safety of the technical staff. Proven by years of experience, we understand that any downtime is critical to any industry, we build lasting partnerships based on the common ambition to grow together as partners as well as individual businesses.

**Read more at cubic.eu/industries**

Follow us on Social Media

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