



IRINOX

Inside your needs

PRODUCT CATALOGUE

ENGLISH

IRINOX
Inside your needs

**PRODUCT
CATALOGUE**

OUR STORY

IRINOX Electrical Enclosures has been designing and manufacturing stainless-steel electrical enclosures since 1989.

Thanks to its experience acquired over the years, coupled with ongoing technological research, IRINOX is able to create **premium-quality certified products** that are competitive in the Italian and international markets and fulfil the specific needs of each customer.

Innovative solutions, customised production and an immediate response are the cornerstones of the IRINOX approach, with personnel striving every day to guarantee products and services that exceed customer expectations, ensuring that the company continues to strengthen its presence in the world market.

OUR IDEA OF RENEWAL INVOLVES UNDERSTANDING THE NEEDS OF CUSTOMERS AND RESPONDING DYNAMICALLY TO COMPETITIVE CHALLENGES.



SECTORS OF APPLICATION

IRINOX exclusively uses stainless steel for its products.

Steel is a material with excellent thermal, mechanical and corrosion resistance that retains its properties over time. Moreover, it is easy to clean, making it suitable for use in sectors requiring high levels of hygiene.

The characteristics of IRINOX electrical enclosures are adopted in all the different phases of product manufacturing: conditioning, packaging, labelling, etc. They are also the perfect solution in a range of different sectors of application:

- / FOOD & BEVERAGE
- / PHARMA & COSMETICS
- / TRANSPORT & INFRASTRUCTURE
- / CHEMICAL & PETROCHEMICAL
- / NAVAL & OFFSHORE
- / OIL & GAS
- / ENVIRONMENT & ENERGY
- / TEXTILE & PAPER-MAKING

IRINOX IS
EVERYTHING WE DO
FOR YOU.



PRODUCT RANGE

INNOVATIVE
MODULAR
PRODUCTS.

Created to meet the needs of customers for whom quality and hygiene are fundamental requirements, IRINOX's product range includes:

- / PUSH BUTTON AND TERMINAL BOXES
- / ENCLOSURES
- / MODULAR CABINETS
- / COMPACT CABINETS
- / HANGING SYSTEMS, CONTROL CONSOLES AND PULPITS
- / HYGIENIC LINE
- / AIR-CONDITIONING SYSTEMS, VENTILATION AND OTHER ACCESSORIES

A wide range of **accessories** are available for every single standard or customised model, along with various **ventilation** and **air-conditioning** solutions.



PRODUCT RANGE

INNOVATIVE AND MODULAR, IRINOX PRODUCTS COMBINE QUALITY, HYGIENE AND PERFORMANCE IN A FULL RANGE WITH A COMPREHENSIVE CHOICE OF ACCESSORIES.



PUSH BUTTON AND TERMINAL BOXES

Designed to meet the multiple demands of sectors that must adhere to the highest standards of hygiene, offering simple installation and practicality.

(photo: ADH and ADN terminal boxes, APH and APN push button boxes)



COMPACT CABINETS

Range of compact cabinets with a stainless-steel, single-column structure that is not expandable. The ideal solution for installing floor-standing systems.

(photo: AS Compact Cabinet)



HANGING SYSTEMS, CONTROL CONSOLES AND PULPITS

Range created as the ideal solution for floor-standing workstations. They are designed to hold industrial PCs and operator panels for all control, monitoring and industrial-automation systems.

(photo: Copernico Pulpit, Hanging System and QMA Control Console)



ENCLOSURES

Stainless-steel enclosures available in small and medium sizes with hinged door, blind or transparent in Lexan, and inner door. These are used in many different sectors and suitable for machinery or wall-mounted applications. (photo: EKO enclosure)



MODULAR CABINETS

Range of modular cabinets that are ideal for control panels and power distribution, created in 100% stainless steel. These are highly versatile products with a wide range of different set-ups and accessories offering unlimited configurations. (photo: AZ Modular Cabinet)



HYGIENIC LINE

A range to comprehensively meet requirements for use in food, dairy and pharmaceutical industries and in all settings where health and hygiene regulations impose extremely high standards. (photo: Hygienic Cabinets)



AIR-CONDITIONING SYSTEMS, VENTILATION AND OTHER ACCESSORIES

Solutions for customised designs produced to customer specifications and requirements, guaranteeing correct functioning of components installed inside electrical enclosures. (photo: Air-Conditioning Systems, LED Lights and Ventilation)

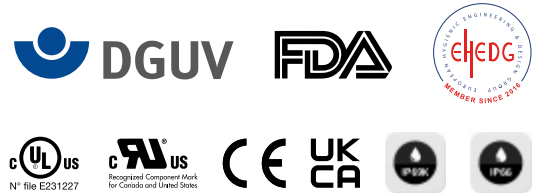
CUSTOMISED SOLUTIONS WITH HYGIENE CERTIFICATION

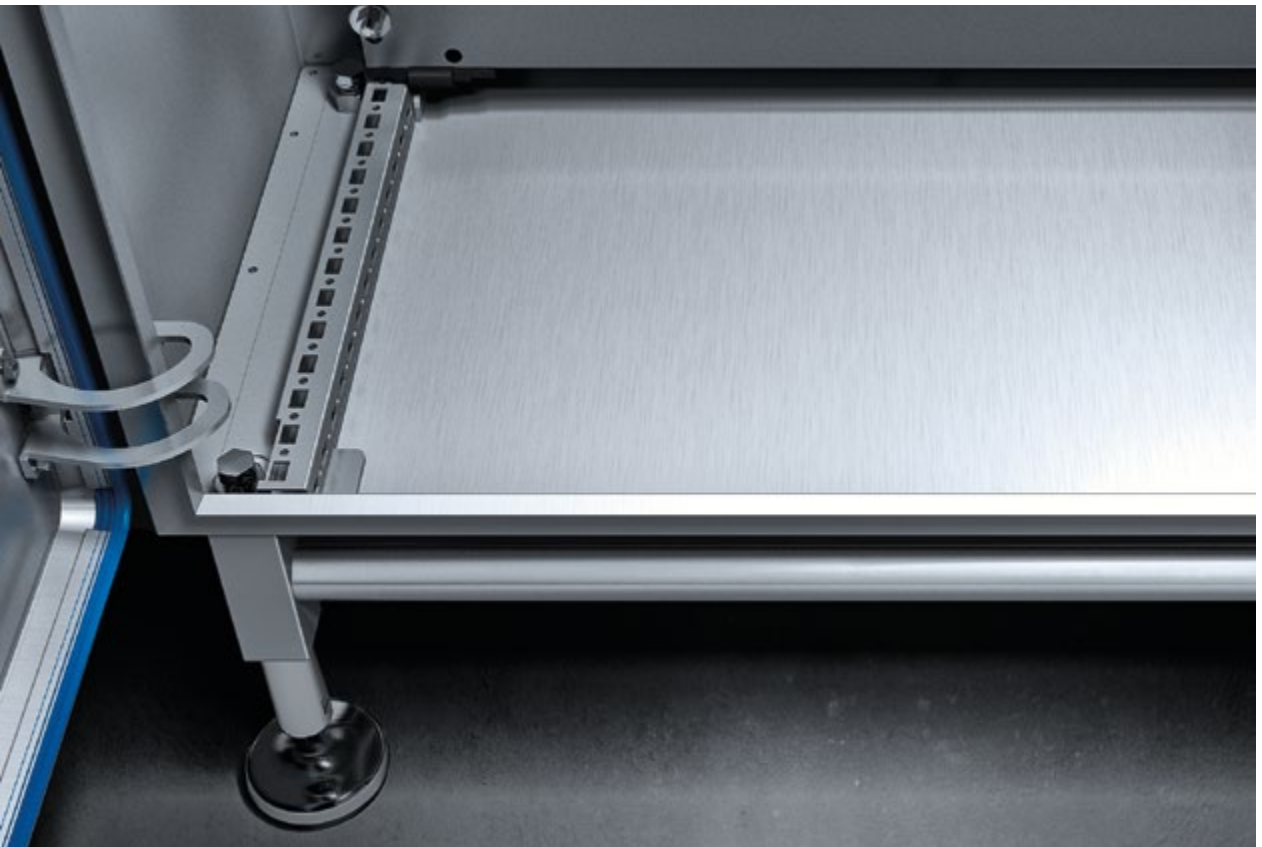
CLEAN LINES AND TOP QUALITY

IRINOX conceived and developed its **hygienic line** with a design that facilitates cleaning operations, ideal for all sectors that require **high hygiene standards**.

For those demanding even more, **IRINOX** has designed a **hygiene-certified line**. These products are DGUV-certified in accordance with standard EN 1672-2, FDA approved and boast an IP66 and IP69K protection rating, suitable for the most demanding food, chemical, cosmetics, pharmaceutical and medical sectors.

MADE-IN-ITALY
QUALITY,
GUARANTEED
SAFETY AND STYLE.





CUSTOM SOLUTIONS

FROM YOUR NEEDS
TO OUR SOLUTIONS.

IRINOX electrical enclosures are designed to adapt to any installation situation, since we are naturally ready to listen and discuss requirements to identify **flexible solutions**.



CHOOSING IRINOX
ELECTRICAL ENCLOSURES
MEANS BEING ABLE TO
RELY ON PRODUCTS
DESIGNED AND
MANUFACTURED BY A
TEAM OF PROFESSIONALS
WORKING DIRECTLY
WITH THE CUSTOMER.

CERTIFIED QUALITY

CERTIFIED PRODUCTS ALIGNED WITH REQUIREMENTS AND STANDARDS.

IRINOX's company management system is ISO certified. Specifically:

/ **ISO 9001** for meeting customer needs with its products and services

/ **ISO 14001** for managing and controlling aspects of its operations that interact with the environment

/ **ISO 45001** for designing and implementing an occupational health and safety management system.

All IRINOX products conform with the **CEI EN 62208** standard regarding empty enclosures for assembled protection and manoeuvre devices for low voltage, and to the **EN 60529** and **EN 62262** standards, which define a classification system of the degrees of protection for electrical enclosures against the intrusion of solid bodies, liquids and external mechanical impacts.

WE INVEST IN ONGOING RESEARCH TO SATISFY THE NEEDS OF EACH CUSTOMER THROUGH A RANGE OF CUTTING-EDGE PRODUCTS.





QUALITY, ENVIRONMENT AND HEALTH & SAFETY CERTIFICATION

Quality is indispensable for IRINOX: it is inherent in the products offered to customers and the processes leading to these products.

The company works with a management system certified by TÜV SÜD on the basis of the following standards:

quality management
UNI EN ISO 9001

environmental
management
UNI EN ISO 14001

occupational health and
safety management
UNI EN ISO 45001



CE MARKING

The **CE mark**, in use since 1993, indicates conformity to all the obligations that manufacturers (or importers) must fulfil with regard to their products (or those introduced on the market under their responsibility) by way of the European directives. Products bearing this mark can be freely commercialised within the European market.



UL CERTIFICATION

Numerous IRINOX products have been certified and boast internationally recognised approval.

Specifically, the main IRINOX products are UL-certified (Nema 1, 12, 4, 4X).

UL certification is one of the leading and most widely recognised certification marks and denotes that the product carrying the mark has met UL requirements.

These requirements are based on safety standards published by UL.

The **C-UL-US** mark denotes a product's conformity to both Canadian and United States requirements.

The **C-UR-US** mark guarantees conformity to Canadian and United States requirements for UL-certified product components.



TYPE 1

Electrical Enclosure for indoor use, primarily used to provide a degree of protection against limited quantities of settling dust.

TYPE 12

Electrical Enclosure for indoor use, primarily used to provide a degree of protection against dust in the air deposited on the equipment and against dripping of non-corrosive liquids.

TYPE 4

Electrical enclosure for indoor or outdoor use, primarily used to provide a degree of protection against dust and rain carried by the wind, water spray, jets of water and damage caused by external formation of ice.

TYPE 4X

Electrical enclosure for indoor or outdoor use, primarily used to provide a degree of protection against corrosion, dust and rain carried by the wind, water spray, jets of water and damage caused by external formation of ice.



UKCA MARK

The UKCA (UK Conformity Assessed) mark is a new mark created by the United Kingdom that must be applied to products entering the UK market (England, Wales and Scotland).



IP PROTECTION RATINGS

The IP protection rating (CEI EN 60529) is an international standard that classifies an appliance's level of protection against contact with solid or liquid foreign bodies.

IP codes are made up of two digits, each of which has a different significance: the code must therefore be read digit by digit, not as a whole.



IK CODE

The IK code (CEI EN 62262) is an international numerical rating that specifies the degree of protection of casings against external mechanical impacts and determines their mechanical resistance. Regulations specify how casings must be positioned for testing, atmospheric conditions, number of impacts, materials and types of instrumentation suitable for producing the quantity of energy required.

The IK code is composed of two digits corresponding to the impact energy, expressed in joules.

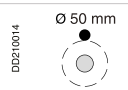
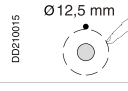




MEANING OF DIGITS AND LETTERS MAKING UP IP PROTECTION RATING

1ST DIGIT

indicates level of protection against penetration of solid particles and protection of people against direct access to hazardous parts.

PRODUCT PROTECTION

PROTECTION OF PEOPLE

Not protected.	Not protected.	0	
Protected against penetration of solid object with diameter greater than or equal to 50 mm.	Protected against access with back of hand (accidental contact).	1	
Protected against penetration of solid object with diameter greater than or equal to 12.5 mm.	Protected against access with finger.	2	
Protected against penetration of solid object with diameter greater than or equal to 2.5 mm.	Protected against access of tool with diameter of 2.5 mm.	3	
Protected against penetration of solid object with diameter greater than 1 mm.	Protected against access of wire with a diameter of 1 mm.	4	
Protected against dust (no formation of hazardous deposits).	Protected against dust, (no hazardous deposits).	5	
Totally protected against dust (dust tight).	Complete protection against dust.	6	

Additional letter:


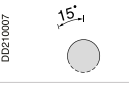
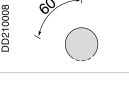
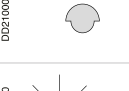
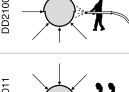
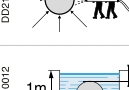
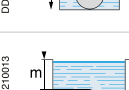


indicates protection of people against access to hazardous parts.

A	With back of hand
B	With finger
C	With a tool, diameter 2.5 mm
D	With a tool, diameter 1 mm

2ND DIGIT

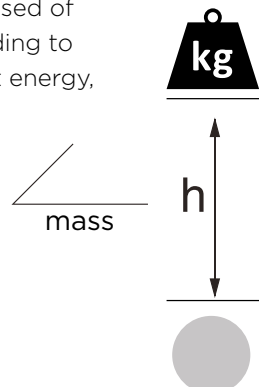
indicates protection against ingress of water with harmful effects on the product.

PRODUCT PROTECTION

Not protected.	0	
Protected against droplets of water dripping vertically (condensation).	1	
Protected against droplets of water falling from an angle of up to 15° off vertical.	2	
Protected against rainwater falling at an angle of up to 60° off vertical.	3	
Protected against spraying water from all directions.	4	
Protected against powerful jets of water from all directions.	5	
Protected against powerful jets of water equivalent to large waves.	6	
Protected against the effects of temporary immersion.	7	
Protected against the effects of prolonged immersion under specific conditions.	8	
Protected against close jets of high-pressure hot water from different directions.	9K	

IK Protection grade against mechanical impacts:

The IK code is composed of two digits corresponding to the amount of impact energy, expressed in joules.



	WEIGHT kg	HEIGHT cm	ENERGY J
00	Not protected		
01	0.20	7.50	0.15
02		10	0.20
03		17.50	0.35
04		25	0.50
05		35	0.70
06	0.50	20	1
07		40	2
08	1.70	30	5
09	5	20	10
10		40	20

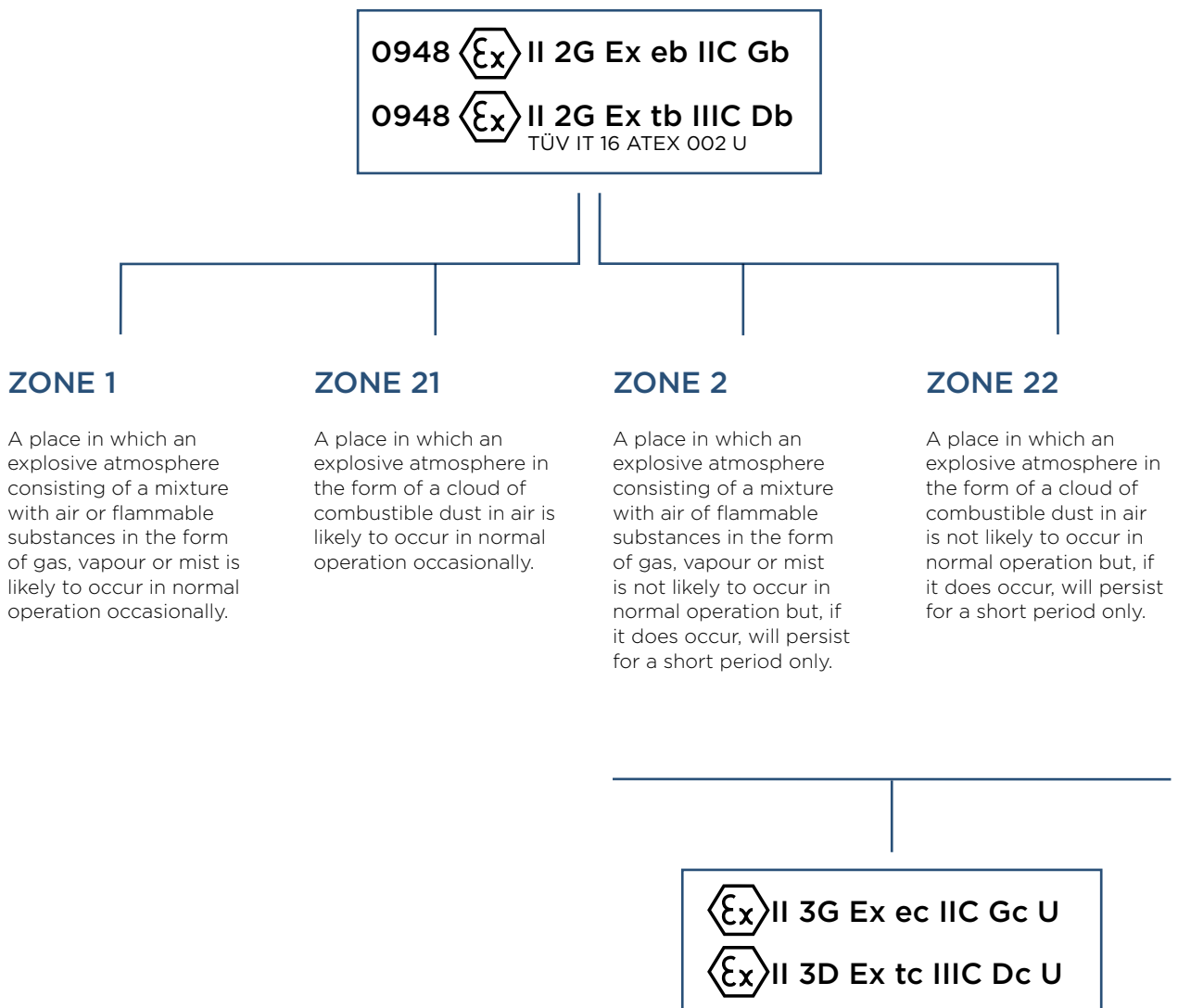




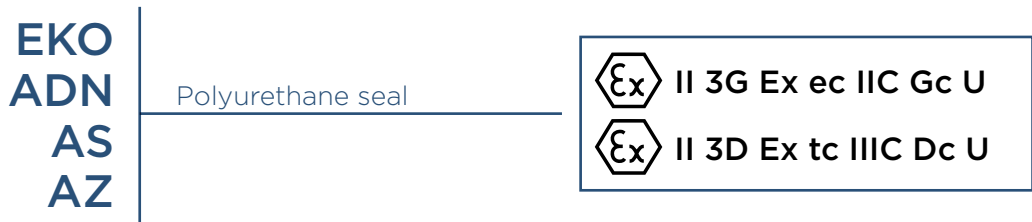
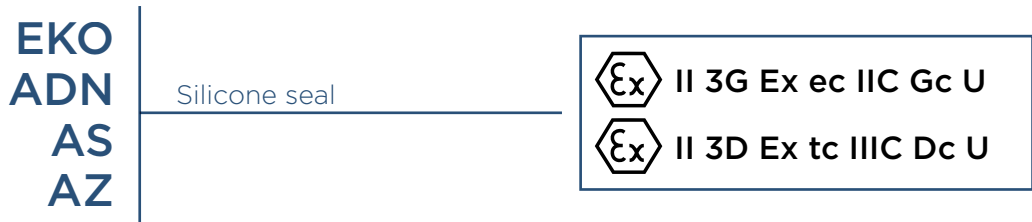
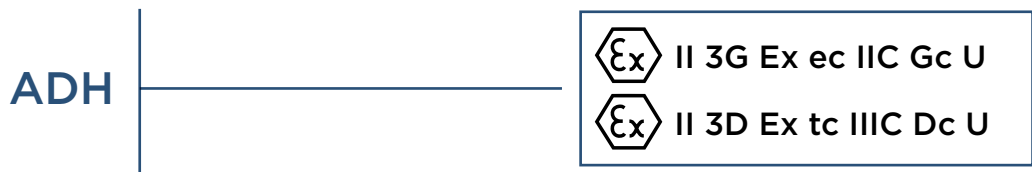
ATEX CERTIFICATION

IRINOX products comply with the **ATEX 2014/34/EU** directive regulating equipment used in potentially explosive atmospheres. The acronym derives from the words **AT**mosphères and **EX**plosibles.

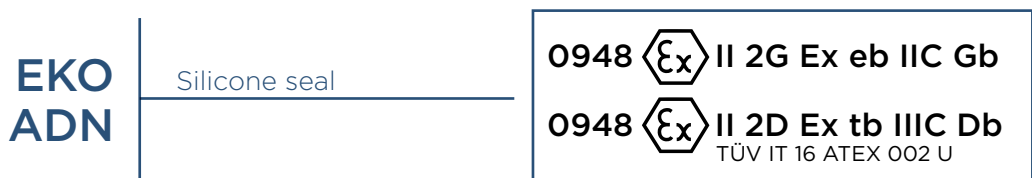
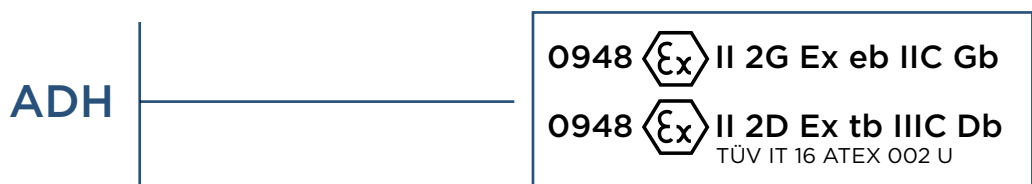
IRINOX supplies **ATEX**-certified products for installation in **zones 1, 2, 21 and 22** with the following marking:



FOR CATEGORIES 3G AND 3D



FOR CATEGORIES 2G AND 2D



ATEX MARKS CATEGORY 2 DETAIL

0948

Number of monitoring body

0948

Number of monitoring body



Specific explosion-
protection marking



Specific explosion-
protection marking

II

Equipment group:
II surface equipment

II

Equipment group:
II surface equipment

Category:
2: high level of protection

**Type of explosive
atmosphere
(zone 1)**
G gas vapours

2G

Category:
2: high level of protection

**Type of explosive
atmosphere
(zone 21)**
D dust

2D

Ex

Protection against
explosions:
European standards

Ex

Protection against
explosions:
European standards

eb

Protection concept "eb":
case offering increased
safety

tb

Protection concept "tb":
dust-proof case

IIC

Gas group
IIC Hydrogen, Acetylene

IIIC

Dust group
IIIC Conductive,
combustible dust
(carbon, iron)

Gb

Protection level
Gb = 2G


Db

Protection level
Db = 2D

TÜV IT 16 ATEX 002 U

CERTIFICATE NUMBER
THE FINAL LETTER "U" INDICATES THAT
THE PRODUCT IS A COMPONENT.

ATEX MARKS CATEGORY 3 DETAIL

 **Specific explosion-protection marking**

II **Equipment group:**
II surface equipment

3G **Category:**
3: standard level of protection

Type of explosive atmosphere (zone 2)
G gas vapours


Ex **Protection against explosions:**
European standards

ec **Protection concept -**
Non-sparking equipment

IIC **Gas group**
IIC Hydrogen, Acetylene

Gc **Protection level**
Gc = 3G

U **Additional letter**
U = component

 **Specific explosion-protection marking**

II **Equipment group:**
II surface equipment

3D **Category:**
3: standard level of protection

Type of explosive atmosphere (zone 22)
D dust

Ex **Protection against explosions:**
European standards

tc **Protection concept "tc":**
dust-proof case

IIIC **Dust group**
IIIC Conductive, combustible dust (carbon, iron)

Dc **Protection level**
Dc = 3D

U **Additional letter**
U = component

STEEL AND CUSTOMISATION

IRINOX has always used **stainless steel** for its products.

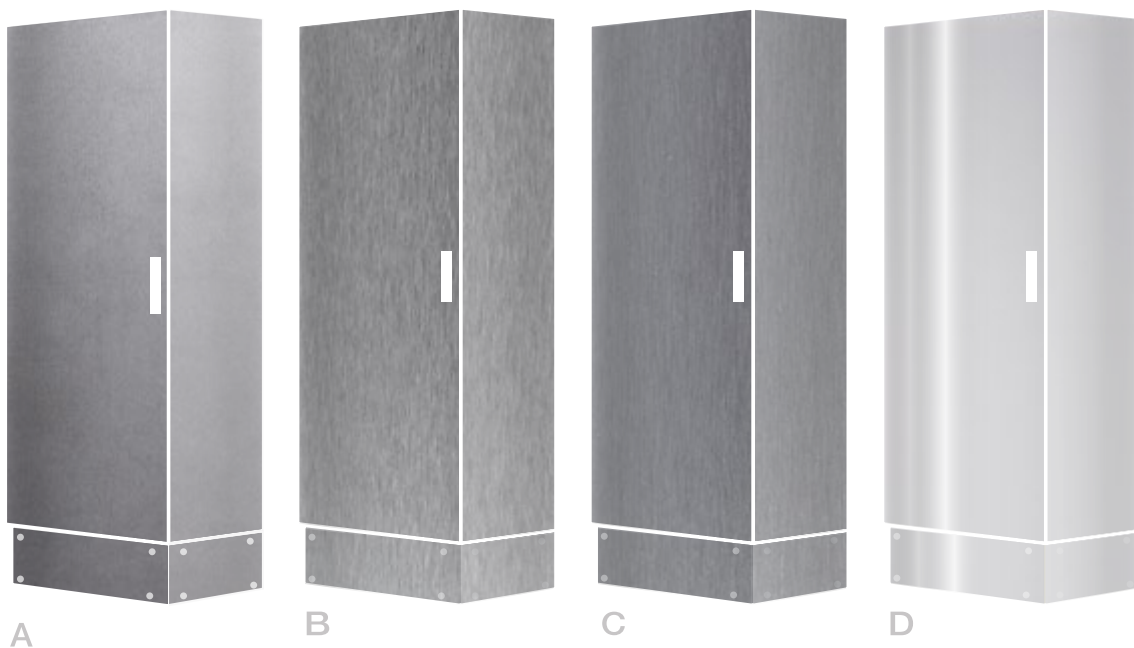
This metal has **excellent thermal, mechanical and corrosion resistance**. In contact with humid air or water, it does not oxidise but instead forms a layer on the surface offering lasting protection. It is an **easy-to-clean and hygienic** material, fully recyclable because it can be melted down and used to create new structures.

True stainless steels are alloys containing iron, carbon, nickel and chrome.

The stainless steels used by IRINOX are:

AISI 304L (Wnr 1.4307) (standard) and on request **AISI 316L (Wnr 1.4404)**.

A NOBLE MATERIAL,
A METAL WITH
EXCELLENT
PROPERTIES.



Available finishes:

A / 2B Matt*

B / SN Coarse satin - 240 Grit*

C / SB Scotch-brite IRINOX STANDARD

D / BA Polished*

*Non-standard finishes may have technical and thickness limitations.





Speedglas
3M

Speedglas

Nova
SER

IRNO

PRODUCT RANGE

26 **PUSH BUTTON AND TERMINAL BOXES**

36 ACCESSORIES

40 **ENCLOSURES**

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64 **MODULAR CABINETS**

74 ACCESSORIES

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122 ACCESSORIES

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182 **EXPRESS WAREHOUSE**

PUSH BUTTON
AND TERMINAL
BOXES

ENCLOSURES

MODULAR CABINETS

COMPACT CABINETS

HANGING SYSTEMS,
CONTROL CONSOLES AND
PULPITS

HYGIENIC LINE

AIR-CONDITIONING
SYSTEMS, VENTILATION
AND OTHER ACCESSORIES

EXPRESS WAREHOUSE

PUSH BUTTON AND TERMINAL BOXES

Designed to meet the multiple demands of sectors that must adhere to the highest standards of hygiene, offering simple installation and practicality.



- 28 TERMINAL BOX
MODEL ADH
- 30 PUSH BUTTON BOX
MODEL APH
- 32 TERMINAL BOX
MODEL ADN
- 34 PUSH BUTTON BOX
MODEL APN
- 36 ACCESSORIES

TECHNICAL BENEFITS

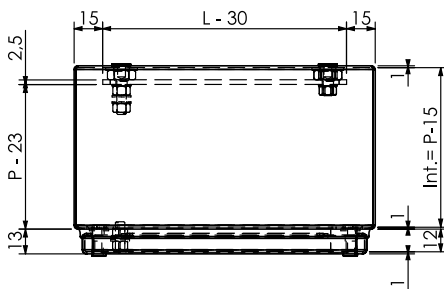
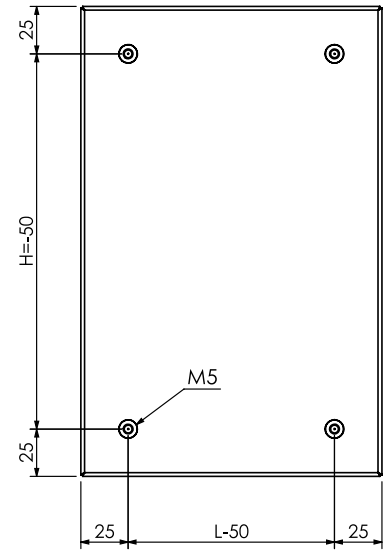
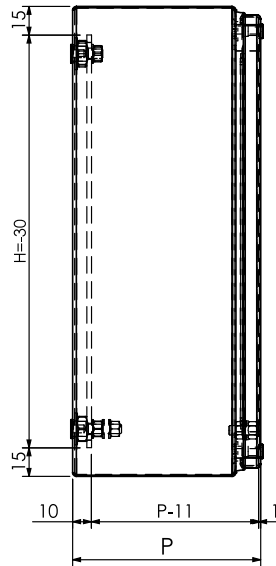
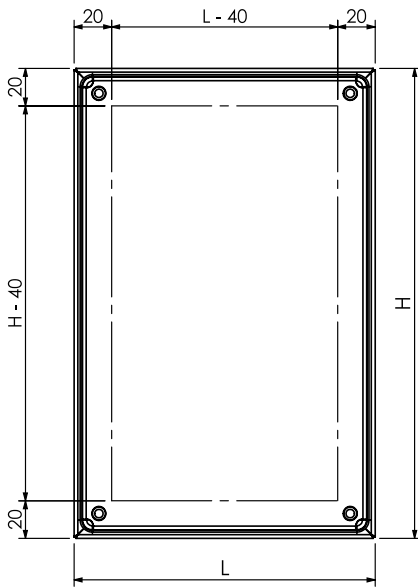
M5 bushes with dual purpose, supporting the internal plate (if present) and for fixing brackets or direct fixing to machinery.

Models APH and ADH supplied with silicone seal that can be removed for washing or replacement, ideal for use in food-industry settings and FDA approved.

Models APN and ADN equipped with silicone seal and O-rings as standard. Also supplied with an addition O-ring kit for settings where resistance to hydrocarbons is required.

TERMINAL BOX ADH

Terminal box in AISI 304L (Wnr 1.4307) stainless steel, ideal for use in sectors requiring high standards of hygiene due to the profile design developed for easy cleaning. Blind screw-on cover featuring "clip-on" silicone seal, FDA approved. 25/10 FeZn internal plate. IP66 protection rating. IP67, IP69K and UL also available on request.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard	IP66
On request	IP67 - IP69K - Atex 3GD - Atex 2GD - UKCA Ex UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 80 mm H= 80 mm D= 60 mm
Maximum dimensions	W= 400 mm H= 400 mm D= 200 mm
Dimensional pitch	10 mm
Door drilling reference	W- 40 mm H- 40 mm
Internal plate	Can be applied when at least one side is greater than 100 mm W- 30 mm H- 15 mm for enclosures with one side < 100 mm (2 M5 bushes) W- 30 H- 30 mm for enclosures with sides > 100 mm (4 M5 bushes)
Usable depth	D- 11 mm
Centre-to-centre distance for securing enclosure	H- 30 mm up to short side 100 mm (2 M5 bushes) H- 50 mm for models with sides > 100 mm (4 M5 bushes)

TECHNICAL DESCRIPTION

Type of steel	AISI 304L (Wnr 1.4307) Scotch-brite
Cover spacers	The cover has a thickness of 10/10 when WxH is below 80,000 mm ² ; beyond this size the thickness is 12/10.
Cover	Blind
Cover opening	Detachable
Closing system	Screwed-on, M5*
Cover thickness	1 mm
Rear fastenings	M5 bushes
Internal plate	25/10 FeZn
Seal	Silicone

*Standard set of screws supplied dismantled: 4 hex-head screws + 4 slot-head screws.

CUSTOMISATION OPTIONS

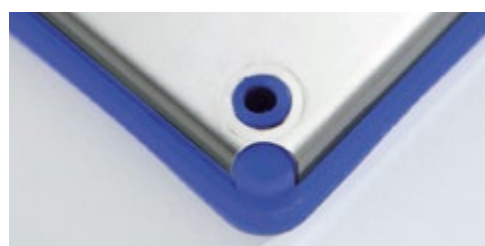
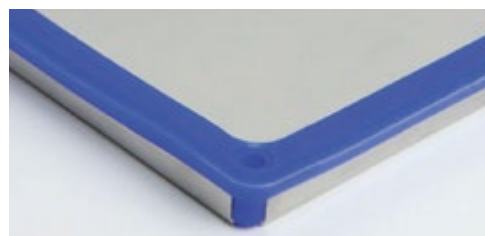
Material	AISI 316L (Wnr 1.4404)
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	1.2 mm*
Rear fastenings	Stud bolts
Cover	<ul style="list-style-type: none"> • Application of Lexan STD, min. enclosure dimensions 130x130 mm • Application of Lexan UL, min. enclosure dimensions 150x150 mm • Application of 3+3 glass, min. enclosure dimensions 250x250 mm • Application of cover fall-prevention system
Sides	Option of incline up to 7° on 4 sides, drilling H- 20 mm, W- 20 mm, D- 33 mm (10+23 mm)
Internal plate	Mounting on stud bolts, blind back, material A304L or A316L thickness 1.5 mm
Installation on mobile arm	Yes, with minimum depth of 110 mm
Handles	from H/W >180 mm

*To be verified during order phase

Product accessories

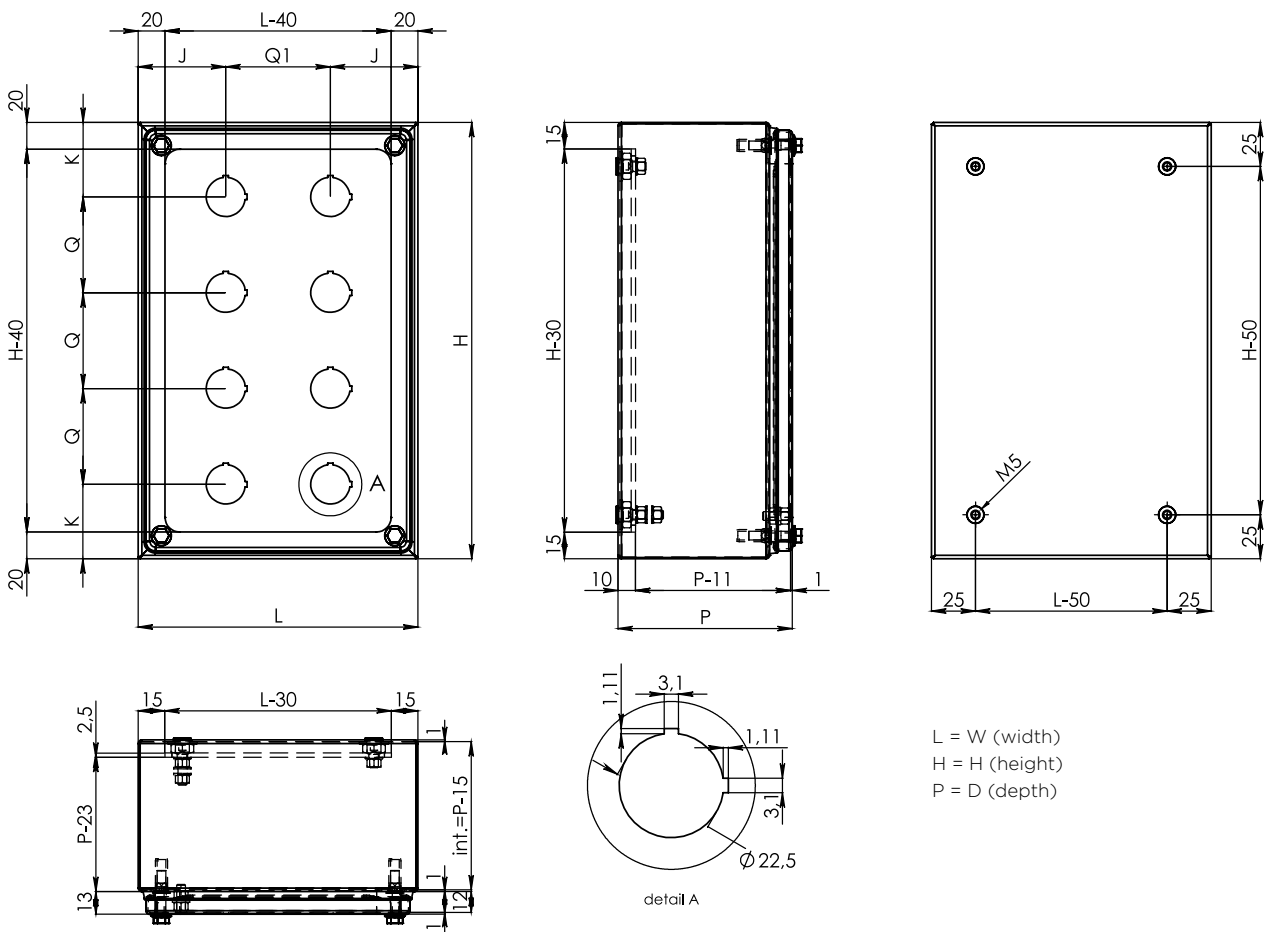
- / Flat wall brackets
- / Raised wall brackets
- / M5 wall-mounted spacers
- / Cable input gland plate
- / Pedestal model PD3210
- / DIN rail support

For more accessories, please consult the section "OTHER ACCESSORIES".



PUSH BUTTON BOX APH

Push button box in AISI 304L (Wnr 1.4307) stainless steel, ideal for use in sectors requiring high standards of hygiene due to the profile design developed for easy cleaning. Screw-on cover featuring "clip-on" silicone seal, FDA approved, pre-drilled with $\varnothing 22.5$ mm holes. No internal plate. IP66 protection rating. IP67, IP69K and UL also available on request.



CERTIFICATIONS

As standard	IP66
On request	IP67 - IP69K - Atex 3GD - Atex 2GD - UKCA Ex UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 80 mm H= 80 mm D= 60 mm
Maximum dimensions	W= 400 mm H= 400 mm D= 200 mm
Dimensional pitch	10 mm
Door drilling reference	W- 40 mm H- 40 mm
Internal plate	Not present
Usable depth	D- 11 mm
Centre-to-centre distance for securing enclosure	H- 30 mm up to short side 100 mm (2 M5 bushes) H- 50 mm for enclosures with sides > 100 mm (4 M5 bushes)

TECHNICAL DESCRIPTION

Type of steel	AISI 304L (Wnr 1.4307) Scotch-brite
Cover spacers	The cover has a thickness of 10/10 when WxH is below 80,000 mm ² ; beyond this size the thickness is 12/10.
Cover	Drilled for buttons
Cover opening	Detachable
Closing system	Screwed-on, M5*
Cover thickness	1 mm
Rear fastenings	M5 bushes
Internal plate	25/10 FeZn
Seal	Moulded silicone

*Standard set of screws supplied dismantled: 4 hex-head screws + 4 slot-head screws.

CUSTOMISATION OPTIONS

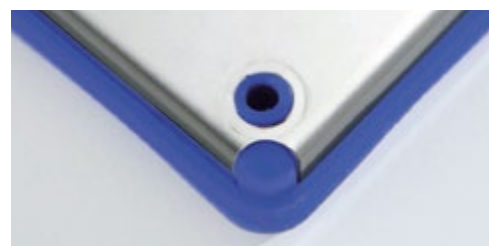
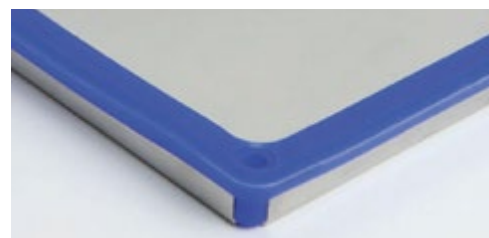
Material	AISI 316L (Wnr 1.4404)
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	1.2 mm*
Rear fastenings	Stud bolts
Cover	No. of button holes on request with limitations, drilling W- 40 mm H- 40 mm Application of cover fall-prevention system
Sides	Option of incline up to 7° on 4 sides, drilling H- 20 mm, W- 20 mm, D- 33 mm (10+23 mm) <ul style="list-style-type: none"> • Can be applied when at least one side is greater than 100 mm • W- 30 mm H- 15 mm for enclosures with sides < 100 mm (2 bushes) • W- 30 mm H- 30 mm for enclosures with sides > 100 mm (4 bushes)
Internal plate	<ul style="list-style-type: none"> • Standard mounting on M5 bushes • Mounting on stud bolts, blind back • Material A304L or A316L, thickness 1.5 mm
Configuration for assembly of mobile arm	Yes
Minimum depth depending on joint fitted	110 mm
Handles	From H/W >180 mm

*To be verified during order phase

Product accessories

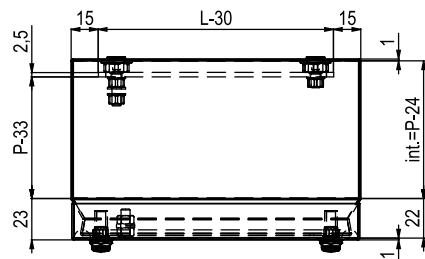
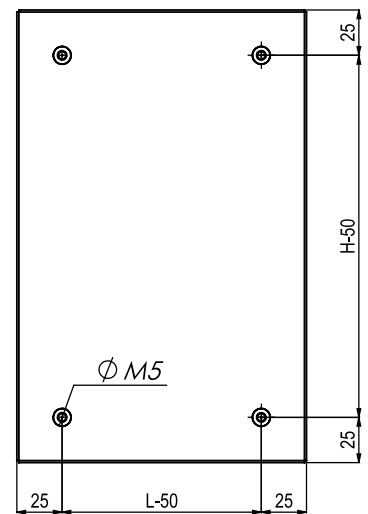
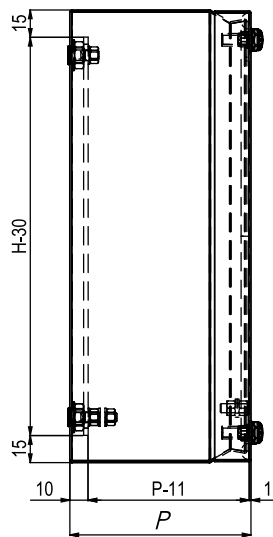
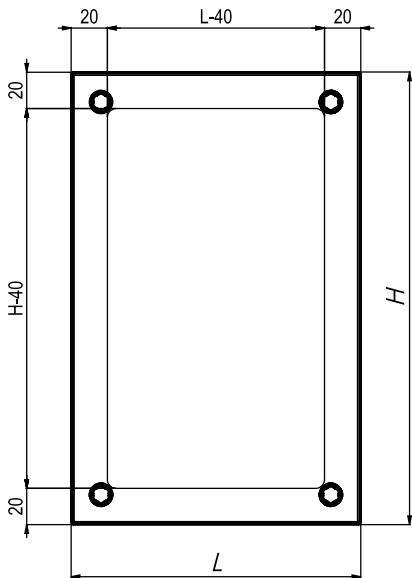
- / Flat wall brackets
- / Raised wall brackets
- / M5 wall-mounted spacers
- / Cable input gland plate
- / Pedestal model PD3210
- / DIN rail support

For more accessories, please consult the section "OTHER ACCESSORIES".



TERMINAL BOX ADN

Terminal box in AISI 304L (Wnr 1.4307) stainless steel, ideal for use in the most demanding industrial sectors due to the positioning of the seal inside the cover, enabling it to be exposed to the most aggressive and challenging environments. Supplied as standard with O-ring kit that exceeds the compliance requirements of food-industry standards. Also supplied with addition O-ring kit for use in settings where resistance to hydrocarbons is required. Screw-on cover. 25/10 FeZn internal plate included for models with dimensions greater than or equal to W- 100 H- 100 mm. IP66, IP67, IP69K protection rating and UL certification as standard. ATEX on request.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard

IP66 - IP67 - IP69K - UL/CSA

On request

ATEX 3GD - ATEX 2GD - UKCA Ex

TECHNICAL DETAILS

Minimum dimensions	W= 90 mm H= 90 mm D= 90 mm
Maximum dimensions	W= 400 mm H= 400 mm D= 200 mm
Dimensional pitch	10 mm
Door drilling reference	W- 60 mm H- 60 mm
Internal plate	Can be applied when at least one side is greater than 100 mm W- 30 mm H- 15 mm for enclosures with one side < 100 mm (2 bushes) W- 30 mm H- 30 mm for enclosures with sides > 100 mm (4 bushes)
Usable depth	D- 11 mm
Centre-to-centre distance for securing enclosure	H- 30 mm for enclosures with side ≤ 100 mm (2 M5 bushes) H- 50 mm for enclosures with side > 100 mm (4 M5 bushes)

TECHNICAL DESCRIPTION

Type of steel	AISI 304 (Wnr 1.4301) Scotch-brite
Thicknesses	From 1 to 1.2 mm depending on model dimensions
Cover spacers	The cover has a thickness of 10/10 when W and H are ≤ 350 mm, and 15/10 when either W or H is > 350 mm
Cover	Blind
Cover opening	Detachable
Closing system*	Screwed-on, M5, FDA-approved silicone under-head
Cover thickness	1 mm
Rear fastenings	M5 bushes
Internal plate	25/10 FeZn
Seal	Silicone

*NBR under-heads supplied.

CUSTOMISATION OPTIONS

Material	AISI 316L (Wnr 1.4404)
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Dimensions	Up to W- 600 mm H- 600 mm D- 200 mm with 15/10 thickness
Thicknesses	Option of cover and door with 2 or 3 mm thickness
Rear fastenings	Stud bolts
Cover	Drilling W-60 mm H-60 mm, Lexan STD min. 150x150 mm, Lexan UL min. 170x170 mm, 3+3 glass min. 250x250 mm
Sides	Application of cable gland plate on sides, top and bottom certified ATEX 2GD drilling, H- 20 mm W- 20 mm D- 33 mm (10+23 mm)
Internal plate	Mounting on stud bolts, blind back
Configuration for assembly of mobile arm	Yes
Minimum depth depending on joint fitted	110 mm
Handles	from H/W >180 mm
Seal	Polyurethane
Components on request	Stainless-steel internal plate

Product accessories

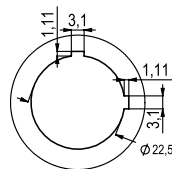
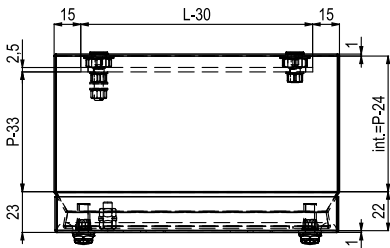
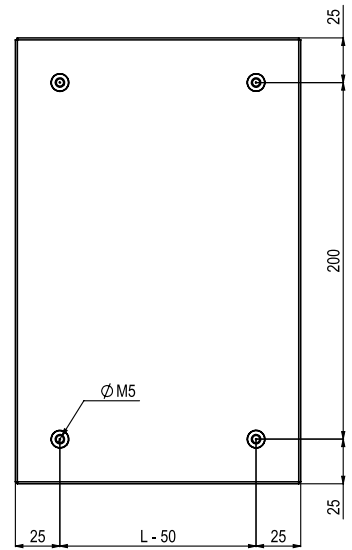
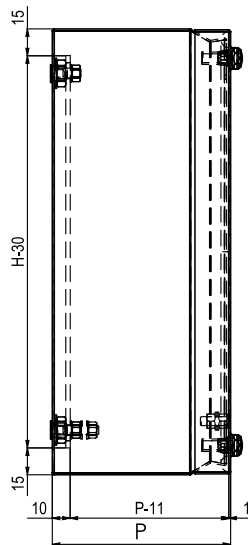
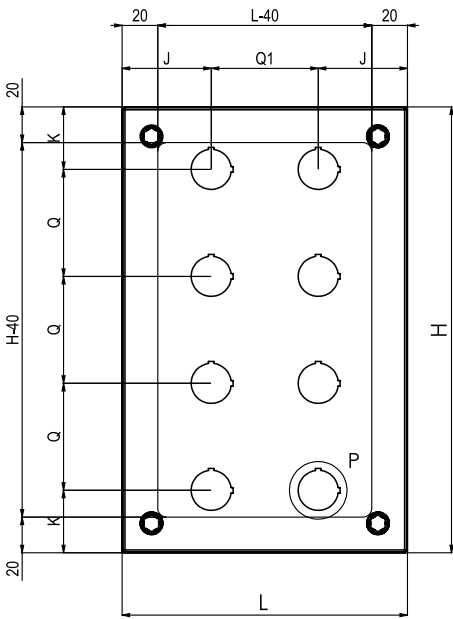
- / Flat wall brackets
- / Raised wall brackets
- / M5 wall-mounted spacers
- / Pedestal model PD3210
- / DIN rail support
- / Cable input gland plate

For more accessories, please consult the section "OTHER ACCESSORIES".



PUSH BUTTON BOX APN

Push button box in AISI 304L (Wnr 1.4307) stainless steel, ideal for use in the most demanding industrial sectors due to the positioning of the seal inside the cover, enabling exposure to the most aggressive and harshest environments. Equipped with O-ring kit for securing cover screws that exceeds the compliance requirements of food-industry standards. Also supplied with addition O-ring kit for use in settings where resistance to hydrocarbons is required. Screw-on pre-drilled cover. No internal plate.
IP66, IP67, IP69K protection rating and UL certification as standard. ATEX on request.



detail P

L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard

IP66 - IP67- IP69K - UL/CSA

On request

ATEX 3GD - ATEX 2GD - UKCA Ex



TECHNICAL DETAILS

Minimum dimensions	W= 90 mm H= 90 mm D= 90 mm
Maximum dimensions	W= 400 mm H= 400 mm D= 200 mm
Dimensional pitch	10 mm
Door drilling reference	W- 60 mm H- 60 mm
Internal plate	Not present
Usable depth	D- 11 mm
Centre-to-centre distance for securing enclosure	H- 30 mm for enclosures with side \leq 100 mm (2 M5 bushes) H- 50 mm for enclosures with side $>$ 100 mm (4 M5 bushes)

TECHNICAL DESCRIPTION

Type of steel	AISI 304 (Wnr 1.4301) Scotch-brite
Thicknesses	From 1 to 1.2 mm depending on model dimensions
Cover	Drilled for buttons
Cover opening	Detachable
Door thicknesses	The door has a thickness of 10/10 when W and H are \leq 350 mm, and 15/10 when either W or H is $>$ 350 mm
Closing system*	Screwed-on, M5, FDA-approved silicone under-head
Cover thickness	1 mm
Rear fastenings	M5 bushes
Internal plate	25/10 FeZn
Seal	Silicone

*NBR under-heads supplied.

CUSTOMISATION OPTIONS

Material	AISI 316L (Wnr 1.4404)
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Dimensions	Up to W- 600 mm H- 600 mm D- 200 mm with 15/10 thickness
Thicknesses	Option of cover and door with 2 or 3 mm thickness
Rear fastenings	Stud bolts
Cover	No. of button holes on request with limitations, drilling W- 60 mm H- 60 mm
Sides	Application of cable gland plate on sides, top and bottom certified ATEX 2GD drilling, H- 20 mm W- 20 mm D- 33 mm (10+23 mm)
Internal plate	Can be applied when at least one side is greater than 100 mm W- 40 mm H- 15 mm for enclosures with sides $<$ 100 mm (2 bushes) W- 30 mm H- 30 mm for enclosures with sides $>$ 100 mm (4 bushes) Standard mounting on M5 bushes Mounting on stud bolts, blind back Material A304L or A316L, thickness 1.5 mm
Configuration for assembly of mobile arm	Yes
Minimum depth depending on joint fitted	110 mm
Handles	from H/W $>$ 180 mm
Seal	Polyurethane

Product accessories

- / Flat wall brackets
- / Raised wall brackets
- / M5 wall-mounted spacers
- / Pedestal model PD3210
- / DIN rail support
- / Cable input gland plate

For more accessories, please consult the section "OTHER ACCESSORIES".



ACCESSORIES

A wide range of accessories are available for every single standard or customised model, meeting all specific requirements.

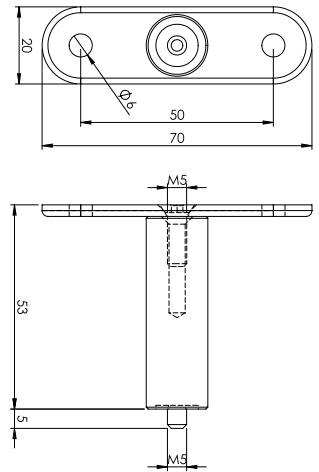
Certain accessories require special adaptation of the enclosure, and their application may alter the IP protection rating or affect certifications.

Check when ordering.

BRACKETS

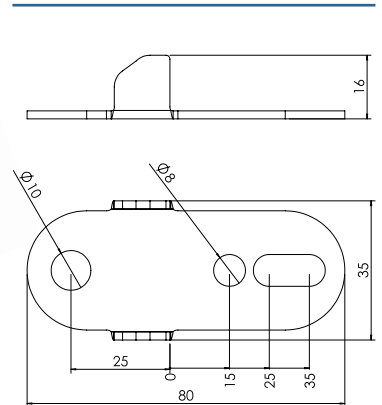
M5 WALL-MOUNTED SUPPORT SPACERS

Code	Description
Q4SV00023500195	Support spacers in AISI 304L (Wnr 1.4307) stainless-steel for M5 screws. Kit with 2 wall-mounted spacers.



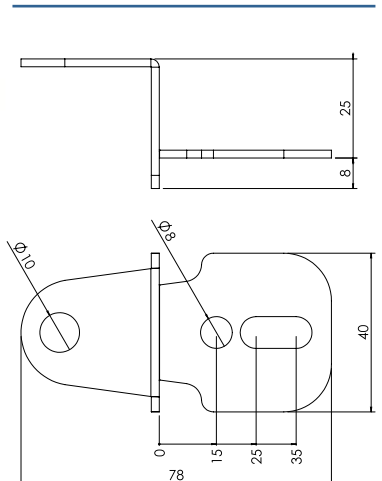
FLAT WALL BRACKETS

Code	Description
Q4SV00023500009	Brackets in AISI 304L (Wnr 1.4307) stainless steel, to screw onto the bushes at the rear of the enclosures. Supplied with fixing screws. Kit of 4 flat brackets.



RAISED WALL BRACKETS

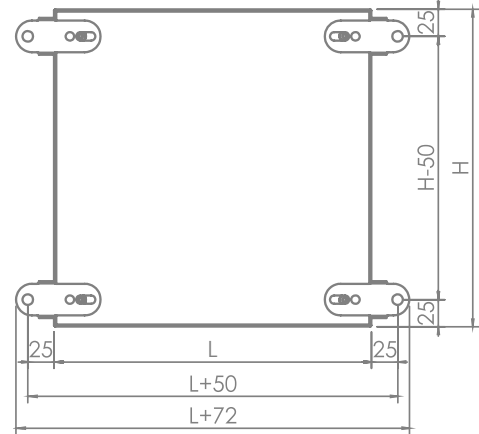
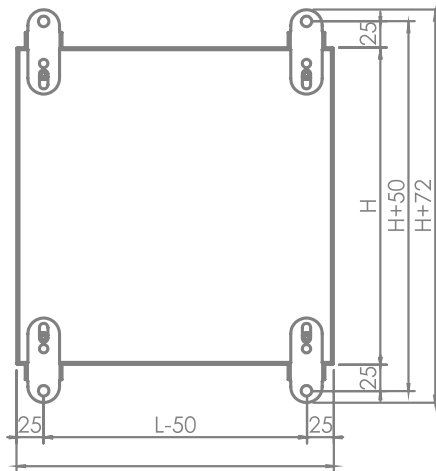
Code	Description
Q4SV00023500002	Raised wall brackets (H = 25 mm) in AISI 304L (Wnr 1.4307) stainless steel, to screw onto the bushes at the rear of the enclosures. Supplied with fixing screws. Kit with 4 raised wall brackets.



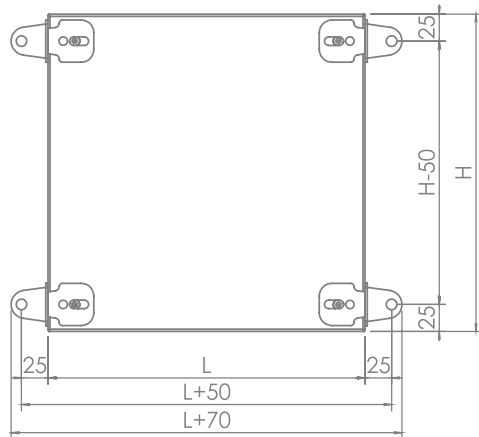
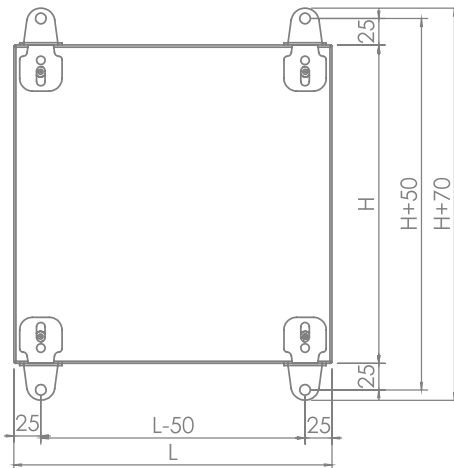
Accessories must always be specified during quote and order phase.

Application of brackets to enclosure

Application
of FLAT wall
brackets to
enclosure



Application of
RAISED wall
brackets to
enclosure



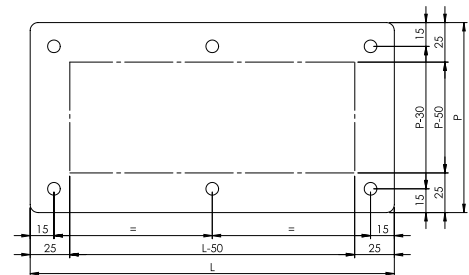
L = W (width)
H = H (height)

Accessories must always be specified during quote and order phase.

CABLE GLAND PLATES

CABLE INPUT GLAND PLATE

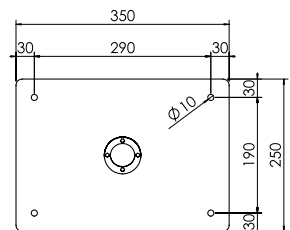
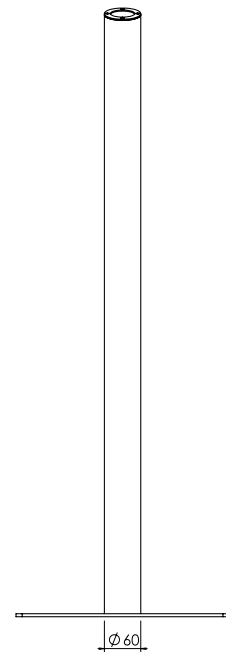
Item	Description
Special accessory (specify dimensions during quote/order phase)	Flat plate in AISI 304L (Wnr 1.4307) stainless steel equipped with seal and fixing screws, suitable for use with cable glands.



PEDESTALS

PEDESTAL - MODEL PD 3210

Code	Description
Q4SV00023500184	Pedestal for push button and terminal boxes, consisting of a 5 mm base ready to secure to the floor and Ø 60 mm tubular structure for fixing.



Accessories must always be specified during quote and order phase.

DIN RAIL SUPPORT

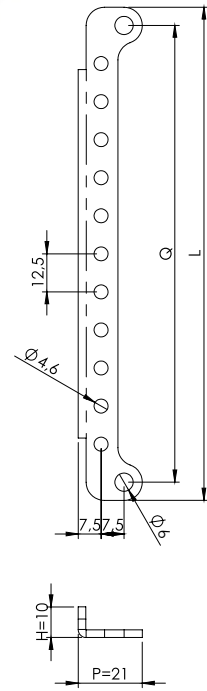
Pre-drilled \varnothing 4.6 mm support, suitable for fixing DIN rail inside terminal and push button boxes. Kit with two supports.

Code	Model	External dimensions in mm			Q
		W	H	D	
Q4SV00023500165	MODEL DT 16	122	10	21	110
Q4SV00023500093	MODEL DT 20	162	10	21	150
Q4SV00023500166	MODEL DT 25	212	10	21	200
Q4SV00023500167	MODEL DT 30	262	10	21	250
Q4SV00023500168	MODEL DT 40	312	21	300	

*Request adaptations/customisations for mounting.



L = W (width)
H = H (height)
P = D (depth)



For more accessories, please consult the section "OTHER ACCESSORIES".
Accessories must always be specified during quote and order phase.

ENCLOSURES

Stainless-steel enclosures available in small and medium sizes with hinged door, blind or transparent in Lexan, and inner door. These are used in many different sectors and suitable for machinery or wall-mounted applications.



- 42 ENCLOSURE
MODEL EKO
- 44 ENCLOSURE WITH LEXAN
DOOR
MODEL EKV
- 46 ENCLOSURE WITH LEXAN
DOOR AND INNER DOOR
MODEL EKO V
- 48 ENCLOSURE WITH LEXAN
DOOR AND MODULAR PANELS
MODEL EKM V
- 50 ENCLOSURE WITH SLOPING
TOP AND RECESSED DOOR
MODEL EKO H
- 52 ENCLOSURE FOR 19" RACK
SYSTEMS
MODEL EKR
- 54 ENCLOSURE WITH BLIND
DOOR AND FLUSH OPENING
MODEL EKS
- 56 ACCESSORIES

TECHNICAL BENEFITS

Bushes for enclosure fastening and support for the internal plate.

Door with cut-proof folding to guarantee maximum security and durability.

Standard silicone foam seal without joins.

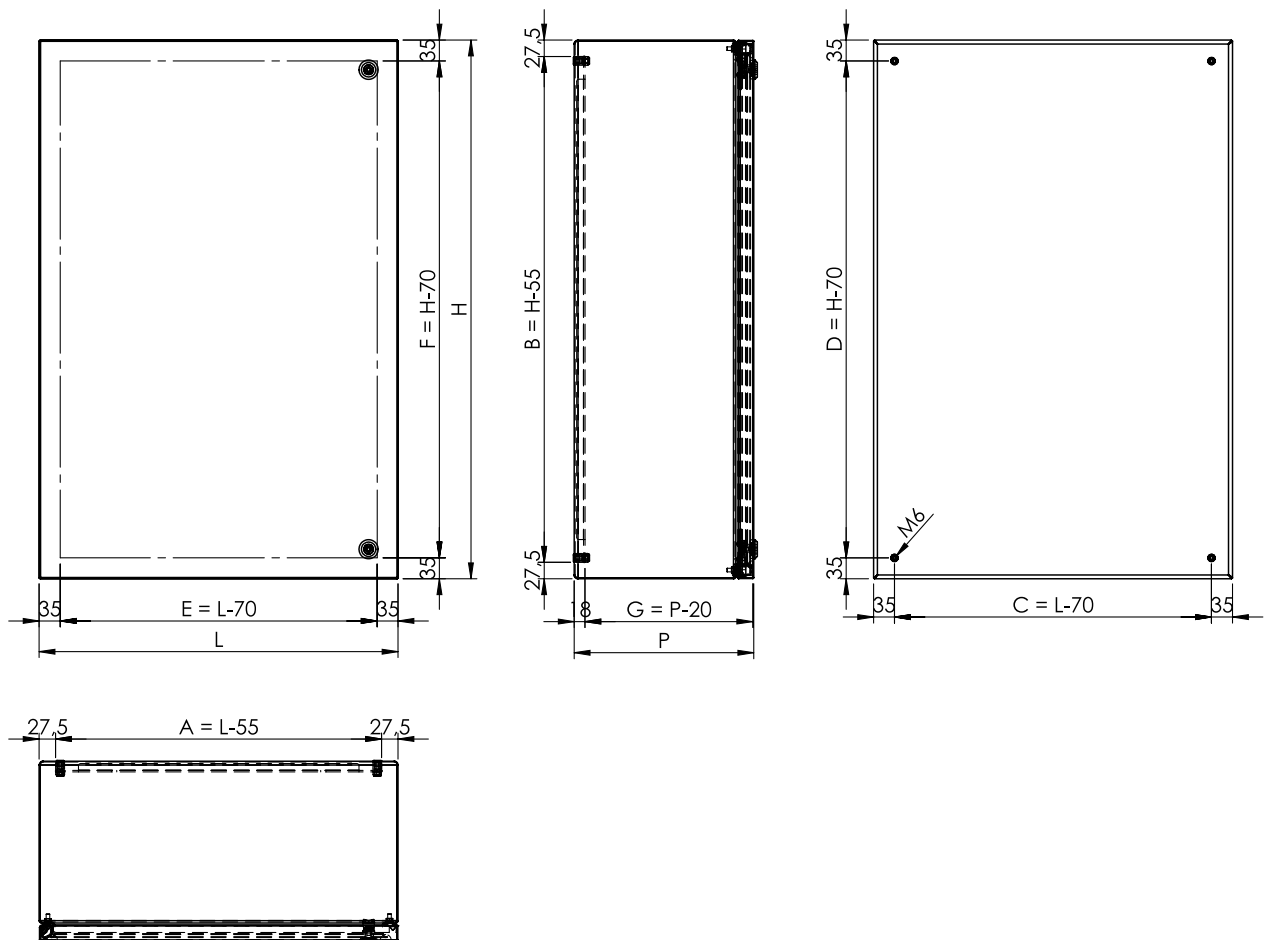
Concealed hinges with microcast and die-forged details with AISI 304 stainless-steel, guaranteeing 130° opening angle.

Reversible door on request.

ENCLOSURES

ENCLOSURE EKO

Enclosure in AISI 304L (Wnr 1.4307) stainless steel with hinged blind door. Door opening angle up to 130° with left hinges. 25/10 FeZn internal plate. IP66 protection rating. Models with a width greater than 1000 mm are created with 2 blind doors that close onto each other without a central support, IP55 protection rating (IP66 on request).



CERTIFICATIONS

As standard

Single door: IP66 IK10 / Double door: IP55

On request

Single door: IP67 - IP69K - ATEX
Double door: IP66/Entire range: UL/CSA



N° file E231227

TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 200 mm D= 120 mm
Maximum dimensions	Single door: W= 800 mm H= 1600 mm D= 400 mm Double door: W= 1400 mm H= 800 mm D= 400 mm
Dimensional pitch	10 mm
Door drilling reference	W- 70 mm H- 70 mm
Internal plate	W- 55 mm H- 55 mm for enclosures with at least one side ≤ 1000 mm, W- 45 mm for enclosures with at least one side > 1000 mm (> 4 bushes)
Usable depth	D- 20 mm
Centre-to-centre distance for securing enclosure	H- 70 mm W- 70 mm, M6 bushes, the fastenings vary based on combinations of dimensions

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged
Door opening	130°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M6 bushes
Internal plate	FeZn 2.5 mm
Seal	Silicone

CUSTOMISATION OPTIONS

Dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1600 mm H= 1450 mm D= 600 mm or W= 1450 mm H= 1600 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm or 3 mm
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Door	Front/back, removable on lock, screwed-on, with handle, with trim, hinges with screws, hinges on right, mechanical door stop, piston door stop, opening towards the top with gas piston
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 W- 20 D- 40 mm (10+30 mm)
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	Polyurethane
Different top inclination	-10° / 10° / 20° / 30°
Installation on mobile arm	Yes, with minimum depth of 130 mm
Handles	Sides and bottom
Components on request	Inner door in AISI 304L/AISI 316L, FeZn or A316 eye bolts, A316 hardware

Product accessories

- / Rain canopy
- / Plinth
- / Feet
- / Wheels
- / Protection windows
- / Diagram-holder pockets
- / Wall brackets
- / M10 wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / Pedestal model PD 649
- / Pedestal model PD 6411
- / Pedestal model PD 3510

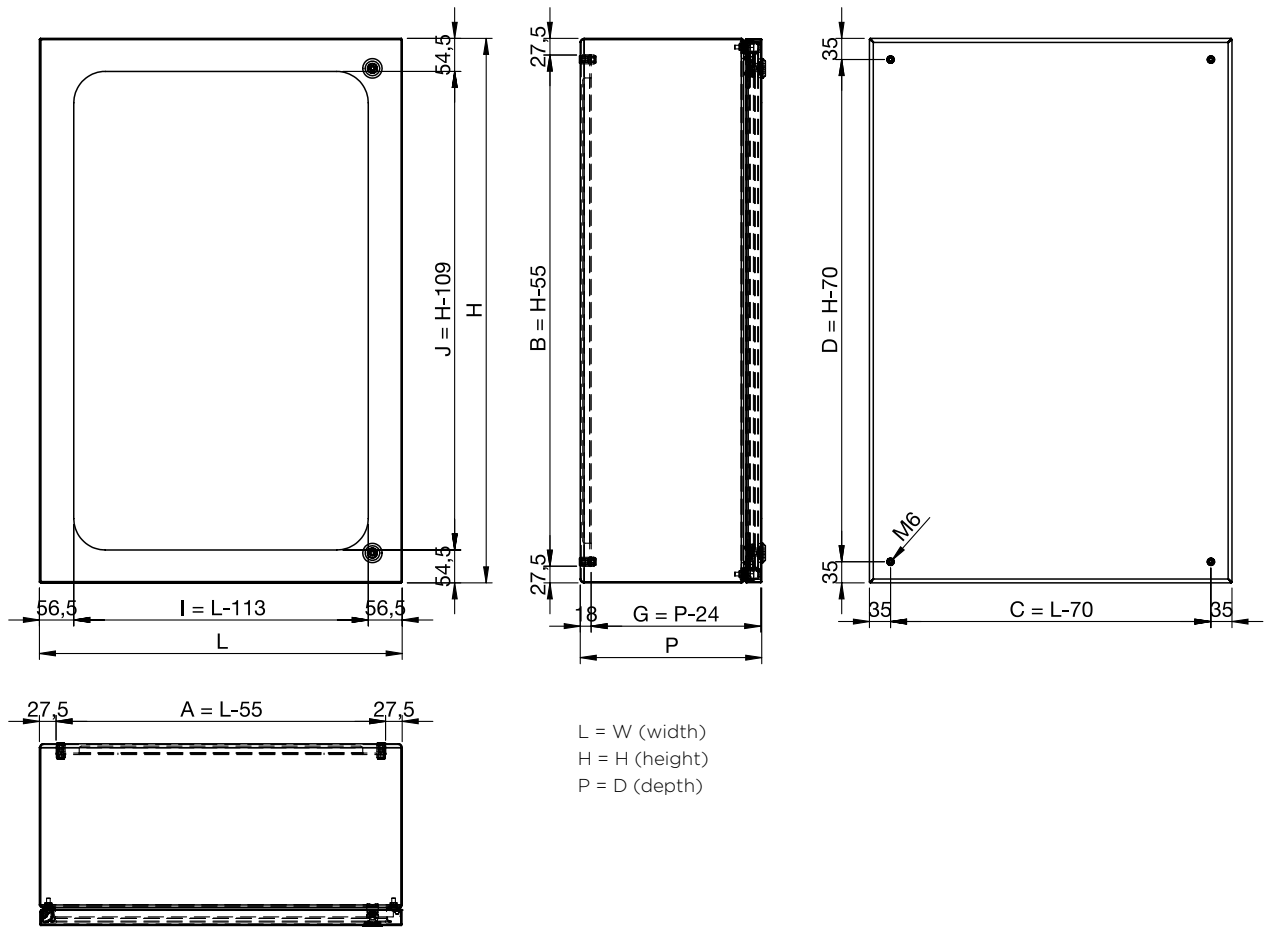
For more accessories, please consult the section "OTHER ACCESSORIES".



ENCLOSURES

ENCLOSURE WITH LEXAN DOOR EKV

Enclosure in AISI 304L (Wnr 1.4307) stainless steel with hinged Lexan door. Door opening angle up to 130° with left hinges. 25/10 FeZn internal plate. IP66 protection rating.



CERTIFICATIONS

As standard

Single door: IP66 IK10 / Double door: IP55

On request

Single door: ATEX 3GD - UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 200 mm D= 120 mm
Maximum dimensions	Single door: W= 800 mm H= 1600 mm D= 400 mm Double door: W= 1400 mm H= 800 mm D= 400 mm
Dimensional pitch	10 mm
Internal plate	W- 55 mm H- 55 mm for enclosures with at least one side ≤ 1000 mm, W- 45 mm for enclosures with at least one side > 1000 mm (> 4 bushes)
Usable depth	D- 24 mm
Centre-to-centre distance for securing enclosure	H- 70 mm W- 70 mm, M6 bushes, the fastenings vary based on combinations of dimensions
LEXAN opening	Door with two closure points: W- 109 mm H- 113 mm Door with three or more closure points: W- 179 mm H- 139 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged, with 4 mm-thick Lexan resistant to UV rays. With reinforcing frame: for single and double door IP55 with area greater than/equal to 1 m ² , for double door IP66 with W greater than or equal to 550 mm
Door opening	130°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M6 bushes
Internal plate	FeZn 2.5 mm
Seal	Silicone

CUSTOMISATION OPTIONS

Dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1600 mm H= 1450 mm D= 600 mm or W= 1450 mm H= 1600 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm or 3 mm
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Door	Front/back, removable on lock, screwed-on, with handle, with trim, hinges with screws, hinges on right, mechanical door stop, piston door stop, opening towards the top with gas piston
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 mm W- 20 mm D- 40 mm (10+30 mm)
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	Polyurethane
Internal plate	Mounting on stud bolts, blind back A304L or A316L, thickness 1.5 mm
Different top inclination	-10° / 10° / 20° / 30°
Installation on mobile arm	Yes, with minimum depth of 130 mm
Handles	Sides and bottom
Components on request	FeZn or A316 eye bolts, A316 hardware

Product accessories

- / Rain canopy
- / Plinth
- / Feet
- / Wheels
- / Wall brackets
- / M10 wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / Pedestal model PD 649
- / Pedestal model PD 6411
- / Pedestal model PD 3510

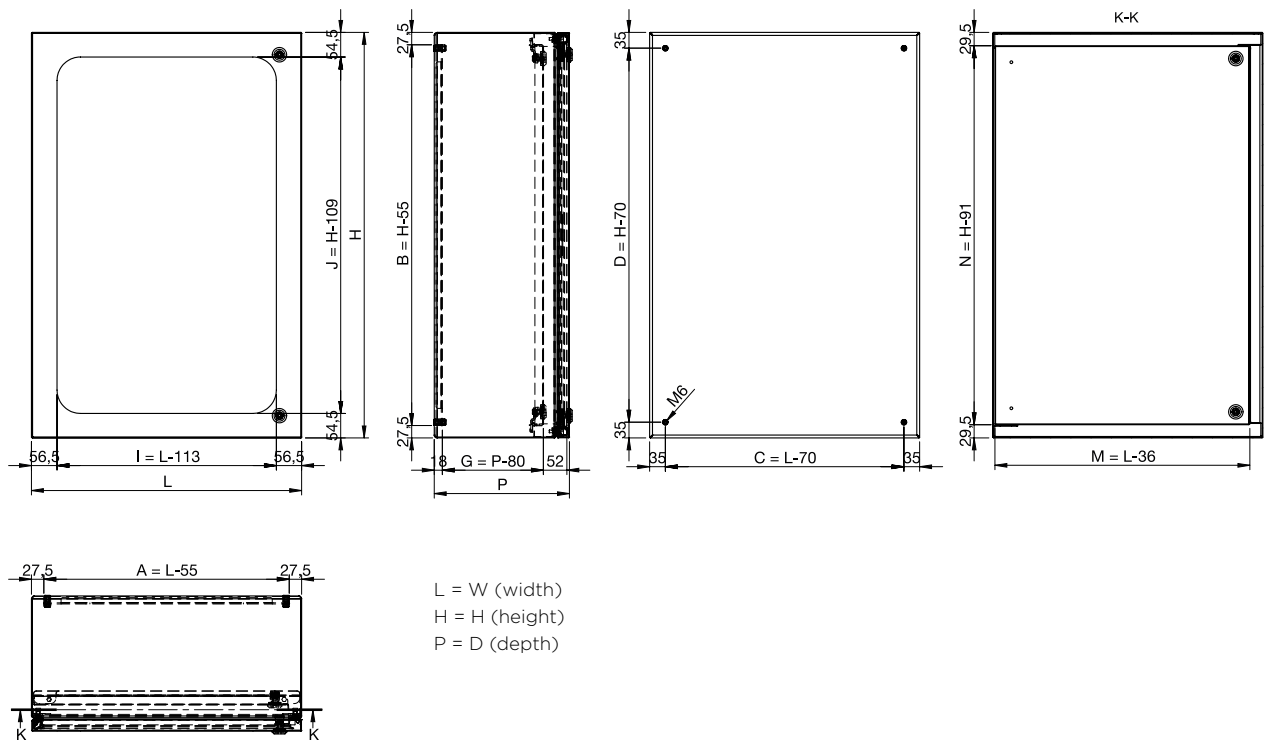
For more accessories, please consult the section "OTHER ACCESSORIES".



ENCLOSURES

ENCLOSURE WITH LEXAN DOOR AND INNER DOOR EKOV

Enclosure in AISI 304L (Wnr 1.4307) stainless steel with hinged Lexan door. Door opening up to 130°, inner-door opening up to 90° with left hinges. Stainless-steel inner door on hinges 52 mm inside the Lexan door. 25/10 FeZn internal plate. IP66 protection rating.



CERTIFICATIONS

As standard

Single door: IP66 IK10 / Double door: IP55

On request

Single door: ATEX 3GD - UL/CSA



N° file E231227

TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 200 mm D= 120 mm
Maximum dimensions	Single door: W= 800 mm H= 1600 mm D= 400 mm Double door: W= 1400 mm H= 800 mm D= 400 mm
Dimensional pitch	10 mm
Internal plate	W- 55 mm H- 55 mm for enclosures with at least one side \leq 1000 mm, W- 45 mm for enclosures with at least one side $>$ 1000 mm ($>$ 4 bushes)
Usable depth	D- 80 mm
Centre-to-centre distance for securing enclosure	H- 70 mm W- 70 mm, M6 bushes, the fastenings vary based on combinations of dimensions
LEXAN opening	Door with two closure points: W- 109 mm H- 113 mm, door with three or more closure points: W- 179 mm H- 139 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged, with 4 mm-thick Lexan resistant to UV rays. With reinforcing frame: for single and double door IP55 with area greater than/equal to 1 m ² , for double door IP66 with W greater than or equal to 550 mm
Door opening	130°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M6 bushes
Internal plate	FeZn 2.5 mm
Seal	Silicone

CUSTOMISATION OPTIONS

Dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1600 mm H= 1450 mm D= 600 mm or W= 1450 mm H= 1600 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm or 3 mm
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Door	3+3 glass, closure with screws
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 mm W- 20 mm D- 40 mm (10+30 mm)
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	Polyurethane
Different top inclination	-10° / 10° / 20° / 30°
Installation on mobile arm	Yes, with minimum depth of 160 mm
Handles	Sides and bottom
Components on request	Inner door in AISI 304L/AISI 316L, FeZn or A316 eye bolts, A316 hardware

Product accessories

- / Rain canopy
- / Plinth
- / Feet
- / Wheels
- / Wall brackets
- / M10 wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / Pedestal model PD 649
- / Pedestal model PD 6411
- / Pedestal model PD 3510

For more accessories, please consult the section "OTHER ACCESSORIES".



ENCLOSURES

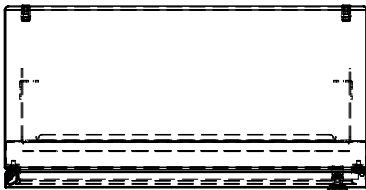
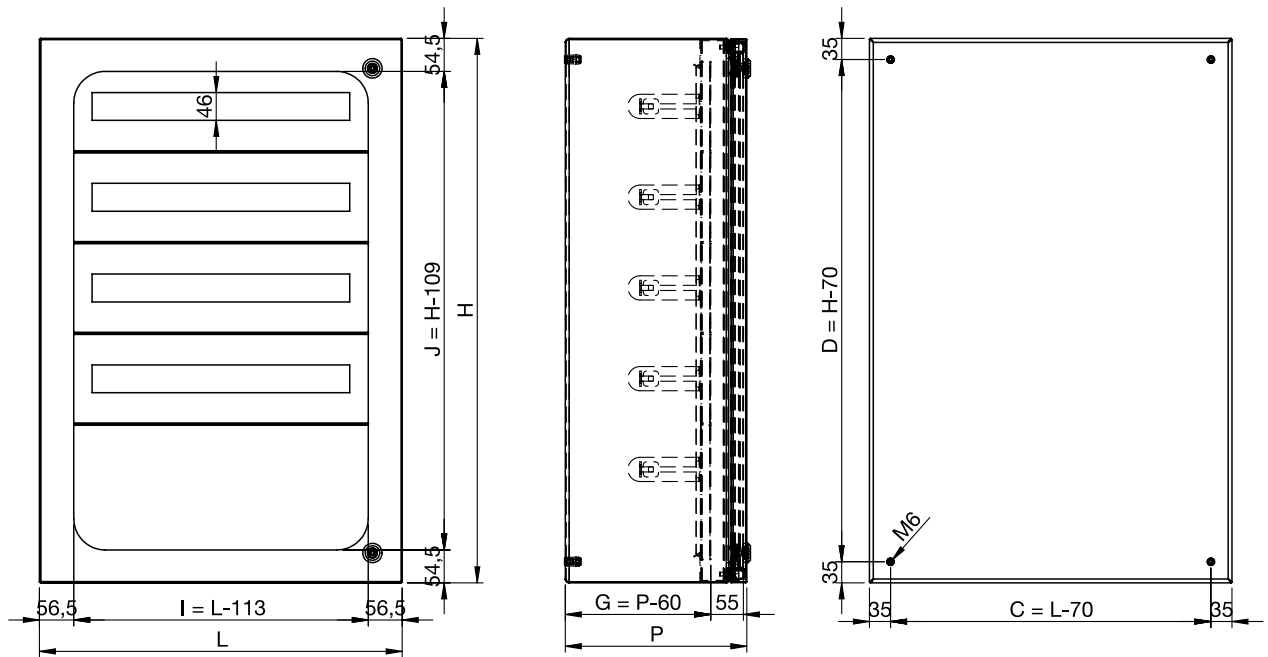
ENCLOSURE WITH LEXAN DOOR AND MODULAR PANELS EKMV

Enclosure in AISI 304L (Wnr 1.4307) stainless steel with hinged Lexan door.

Door opening angle up to 130° with left hinges.

Equipped with stainless-steel-panel cover assembly kit to screw on, and adjustable DIN rail supports.

No internal plate. IP66 protection rating.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard

Single door: IP66 IK10 / Double door: IP55

On request

Single door: IP69K - ATEX 3GD
Double door: IP66/Entire range: UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 200 mm D= 200 mm
Maximum dimensions	Single door: W= 800 mm H= 1600 mm D= 400 mm
Dimensional pitch	10 mm
Usable depth	D- 60 mm
Centre-to-centre distance for securing enclosure	H- 70 mm W- 70 mm, M6 bushes, the fastenings vary based on combinations of dimensions
LEXAN opening	Door with two closure points: W- 109 mm H- 113 mm Door with three or more closure points: W- 179 mm H- 139 mm
DIN rail adjustment	90 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged, with 4 mm-thick Lexan resistant to UV rays. With reinforcing frame: for single and double door IP55 with area greater than/equal to 1 m ² , for double door IP66 with W greater than or equal to 550 mm
Door opening	130°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M6 bushes
Internal plate	Not present
Seal	Silicone

CUSTOMISATION OPTIONS

Dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1600 mm H= 1450 mm D= 600 mm or W= 1450 mm H= 1600 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm or 3 mm
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Door	3+3 glass, closure with screws
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 mm W- 20 mm D- 40 mm (10+30 mm)
Internal plate	Mounting with standard plate, mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm DIN rail support
Seal	Polyurethane
Modular panel combinations and dimensions	On request
Components on request	FeZn or A316 eye bolts, A316 hardware

Product accessories

- / Rain canopy
- / Plinth
- / Feet
- / Wheels
- / Wall brackets
- / M10 wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / Pedestal model PD 649
- / Pedestal model PD 6411
- / Pedestal model PD 3510

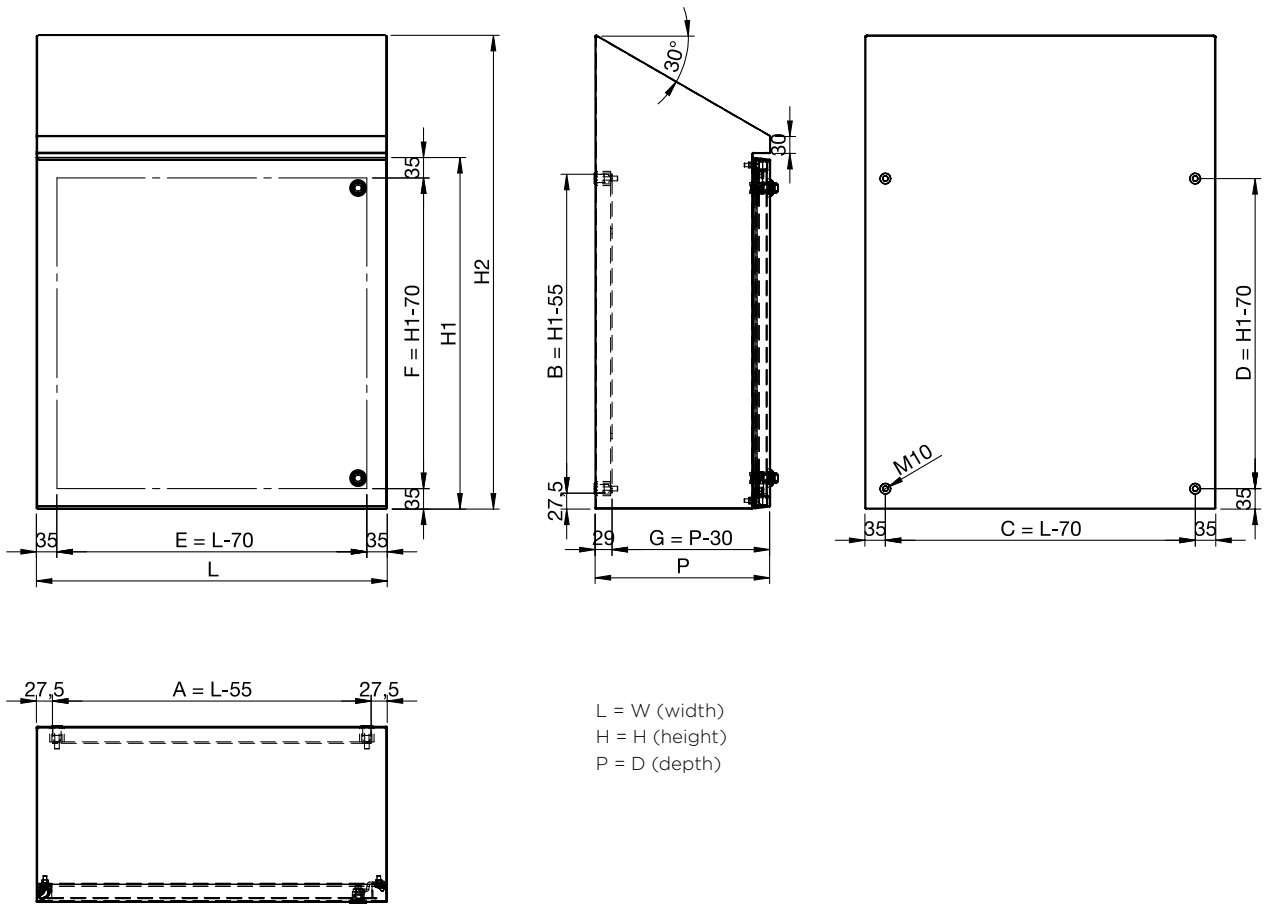
For more accessories, please consult the section "OTHER ACCESSORIES".



ENCLOSURES

ENCLOSURE WITH SLOPING TOP AND RECESSED DOOR EKOH

Enclosure in AISI 304L (Wnr 1.4307) stainless steel.
 Hinged blind door with unfolded, sloping edges and
 hygienic AISI 316 stainless-steel lock.
 Door opening: 130° with left hinges. Features integrated
 sloping top for easy cleaning and to avoid objects
 being placed on unit.
 25/10 FeZn internal plate. IP66 protection rating.



CERTIFICATIONS

As standard	Single door: IP66 IK10 / Double door: IP55
On request	Single door: IP69K - UL - ATEX 3GD



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H1= 200 mm D= 120 mm
Maximum dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1600 mm H= 1450 mm D= 600 mm
Dimensional pitch	10 mm
Door drilling reference	W- 70 mm H1- 70 mm
Internal plate	W- 55 mm H- 55 mm for enclosures with at least one side ≤ 1000 mm, W- 45 mm for enclosures with at least one side > 1000 mm (> 4 bushes)
Usable depth	D- 20 mm
Centre-to-centre distance for securing enclosure	nominal H- 70 W- 70 mm, M10 bushes, The number of fastenings vary based on combinations of dimensions

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged Blind door with lower and upper sides sloping 7° 2 mm or 1.5 mm thickness in addition to reinforcing frame depending on dimensions
Door opening	130°
Closing system	A316 hygienic stainless-steel lock, 1/4 turn with key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M10 bushes
Internal plate	FeZn 2.5 mm
Seal	Silicone

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm or 3 mm
Rear fastenings	Stud bolts, on request without fastenings
Door	Lexan, 3+3 glass, closure with screws
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 mm W- 20 mm D- 40 mm (10+30 mm) on sloping top H- 40 mm W- 40 mm
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	Polyurethane
Different top incline	10° / 20° / 30°
Components on request	A316 hardware

Product accessories

- / Plinth
- / Feet
- / Wheels
- / Diagram-holder pocket
- / M10 wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / Pedestal model PD 649
- / Pedestal model PD 6411
- / Pedestal model PD 3510

For more accessories, please consult the section "OTHER ACCESSORIES".



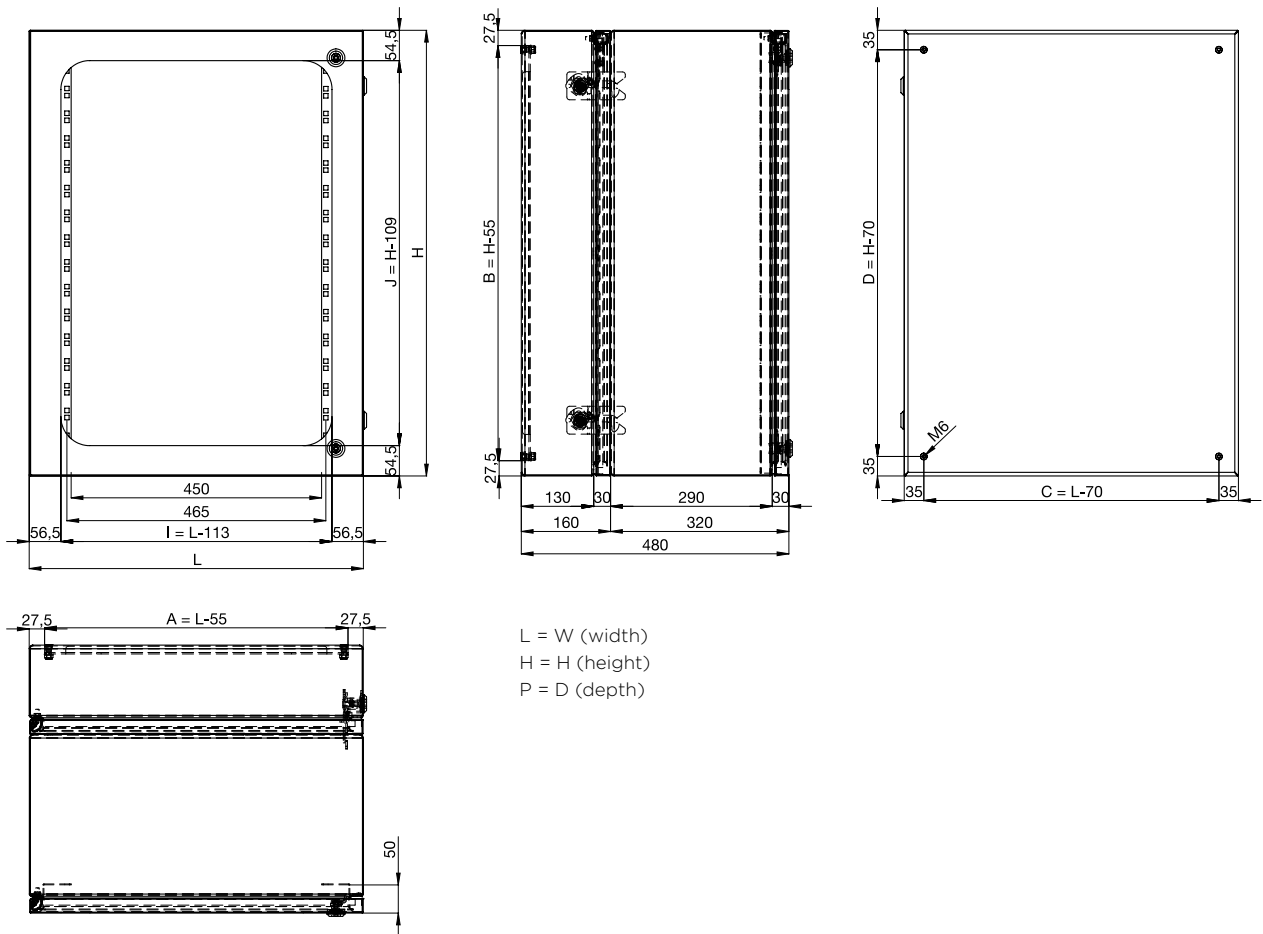
ENCLOSURES

ENCLOSURE FOR 19" RACK SYSTEMS

EKR

Enclosure in AISI 304L (Wnr 1.4307) stainless steel consisting of two hinged and sealed parts. The first has a Lexan door and fixed stainless-steel supports for 19" rack systems and the second has a 25/10 FeZn internal plate.

The distance between the inside of the Lexan door and 19" rack system supports is 50 mm. IP66 protection rating.



CERTIFICATIONS

As standard	IP66
On request	IP69K - UL - ATEX 3GD



TECHNICAL DETAILS

Minimum dimensions	W= 600 mm H= 300 mm D= 280 mm
Maximum dimensions	W= 600 mm H= 1500 mm D= 560 mm
Dimensional pitch	10 mm
Internal plate	W- 55 mm H- 55 mm (> 4 bushes)
Centre-to-centre distance for securing enclosure	H- 70 mm W- 70 mm, M6 bushes
LEXAN opening	Door with two closure points: W- 109 mm H- 113 mm Door with three or more closure points: W- 179 mm H- 139 mm
Maximum depth of rack components	410 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged, with 4 mm-thick Lexan resistant to UV rays. With reinforcing frame: for single and double door IP55 with area greater than/equal to 1 m ² , for double door IP66 with W greater than or equal to 550 mm
Rack opening	130°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M6 bushes
Internal plate	FeZn 2.5 mm
Seal	Silicone

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, coating, micro shot-peening, passivation
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Door	Blind, 3+3 glass, closure with screws
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	A304L or A316L, thickness 1.5 mm
Components on request	A316 hardware

For more accessories, please consult the section "OTHER ACCESSORIES".



ENCLOSURES

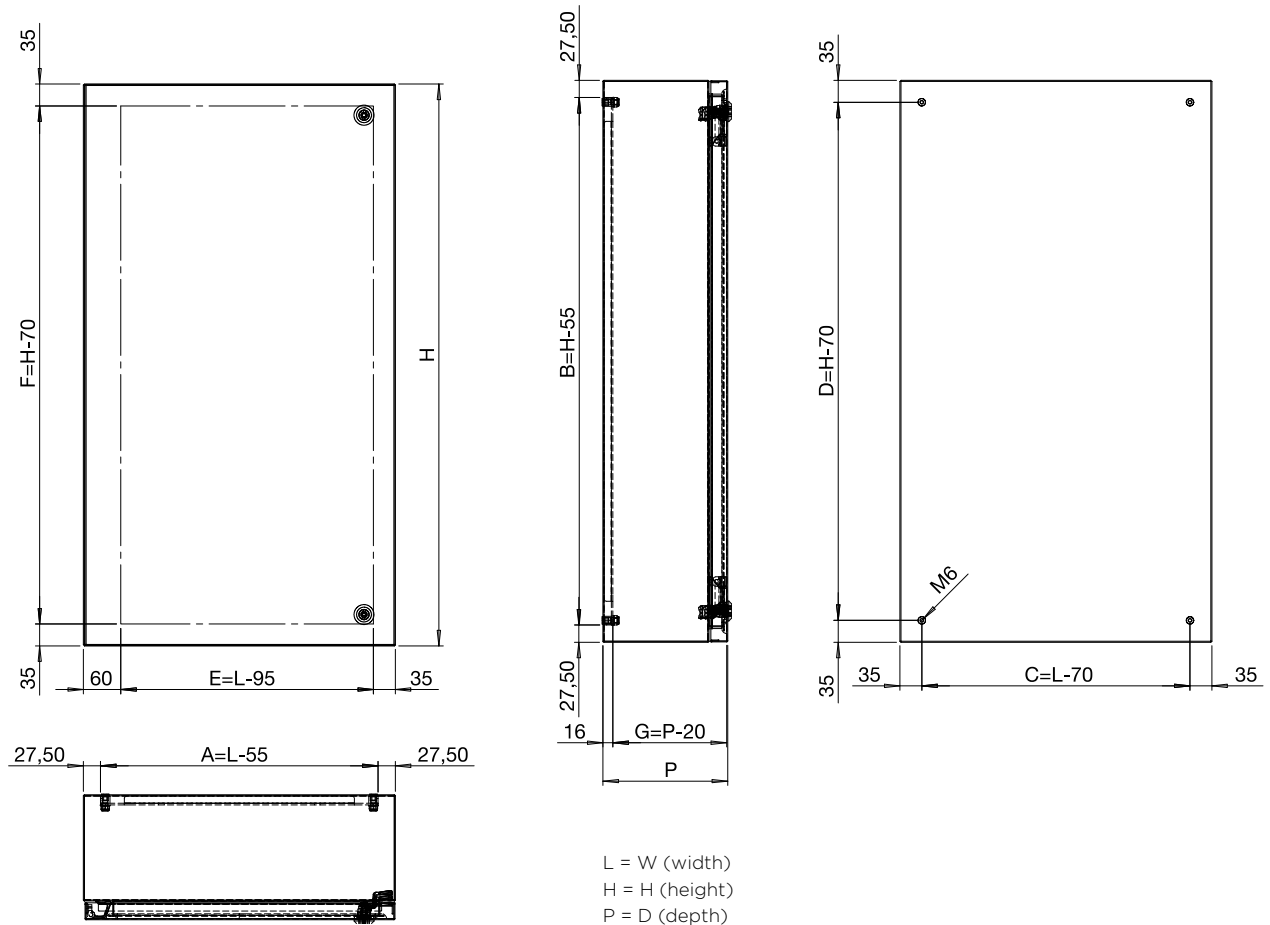
ENCLOSURE WITH BLIND DOOR AND FLUSH OPENING **EKS**

Enclosure in AISI 304L (Wnr 1.4307) stainless steel with hinged blind door.

Door opening: 115° with left hinges; open door does not extend outside the volume occupied by the enclosure. 25/10 FeZn internal plate.

IP66 protection rating.

Models with a width greater than 1000 mm are created with 2 blind doors that close onto each other without a central support, IP55 protection rating (IP66 on request).



CERTIFICATIONS

As standard

Single door: IP66 IK10 / Double door: IP55

On request

Single door: IP69K - ATEX 3GD
 Double door: IP66/Entire range: UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 300 mm D= 120 mm
Maximum dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1400 mm H= 1600 mm D= 600 mm
Dimensional pitch	10 mm
Door drilling reference	W- 95 mm H- 70 mm
Internal plate	W- 55 mm H- 55 mm for enclosures with at least one side ≤ 1000 mm, W- 45 mm for enclosures with at least one side > 1000 mm (> 4 bushes)
Usable depth	D- 20 mm
Centre-to-centre distance for securing enclosure	H- 70 mm W- 70 mm, M6 bushes, the fastenings vary based on combinations of dimensions

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Blind, hinged with rotation inside shoulder, non-reversible door
Door opening	115°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.5 mm
Rear fastenings	M6 bushes
Internal plate	FeZn 2.5 mm
Seal	Silicone

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Door	Lexan, 3+3 glass
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 mm W- 20 mm D- 40 mm (10+30 mm)
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	Polyurethane
Installation on mobile arm	Yes, with minimum depth of 130 mm
Handles	Sides and bottom
Components on request	FeZn or A316 eye bolts, A316 hardware, welded frame

Product accessories

- / Rain canopy
- / Plinth
- / Feet
- / Wheels
- / Protection windows
- / Diagram-holder pockets
- / Wall brackets
- / M10 wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / Pedestal model PD 649
- / Pedestal model PD 6411
- / Pedestal model PD 3510

For more accessories, please consult the section "OTHER ACCESSORIES".



ACCESSORIES

A wide range of accessories are available for every single standard or customised model, meeting all specific requirements.

Certain accessories require special adaptation of the enclosure, and their application may alter the IP protection rating or affect certifications. Check when ordering.

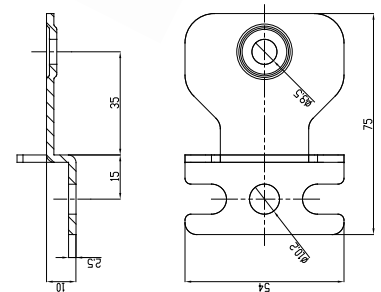
EXTERIOR SET-UPS

WALL BRACKETS

Stainless-steel brackets (H=10 mm) for wall mounting enclosure, to screw onto the bushes at the rear of the enclosures. Supplied with fixing screws.

Code	Description
Q4SV00023500001	Kit with 4 brackets in AISI 304 (Wnr 1.4301) stainless steel
Q4SV00023500004	Kit with 4 brackets in AISI 316 (Wnr 1.4404) stainless steel

Wall brackets unsuitable for EKOH enclosure with standard M10 bushes.

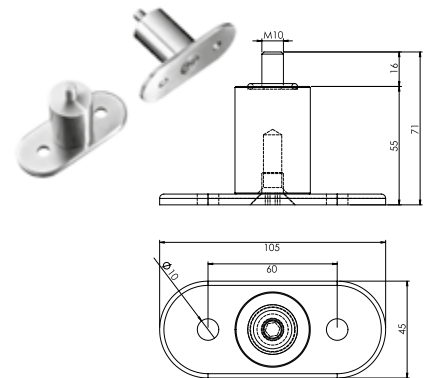


M10 WALL-MOUNTED SPACERS

Stainless-steel support spacers for M10 bushes.

Code	Description
Q4SV00023500199	Kit with 4 stainless-steel brackets.

Check that the enclosure is set-up for mounting.
The M10 spacers are suitable for mounting on standard EKOH. For other models, it is necessary to adapt the rear bushes.



PLINTHS

Base in AISI 304L (Wnr 1.4307) stainless steel (H= 100 mm/H= 200 mm) for floor-standing installation of enclosure.



CANOPIES

Canopy in AISI 304L (Wnr 1.4307) stainless steel to complete applications of enclosures exposed to the weather. To be fixed to M6 threaded bushes on rear of enclosures. Extending at the front, it remains flush at the sides and rear of the enclosures.

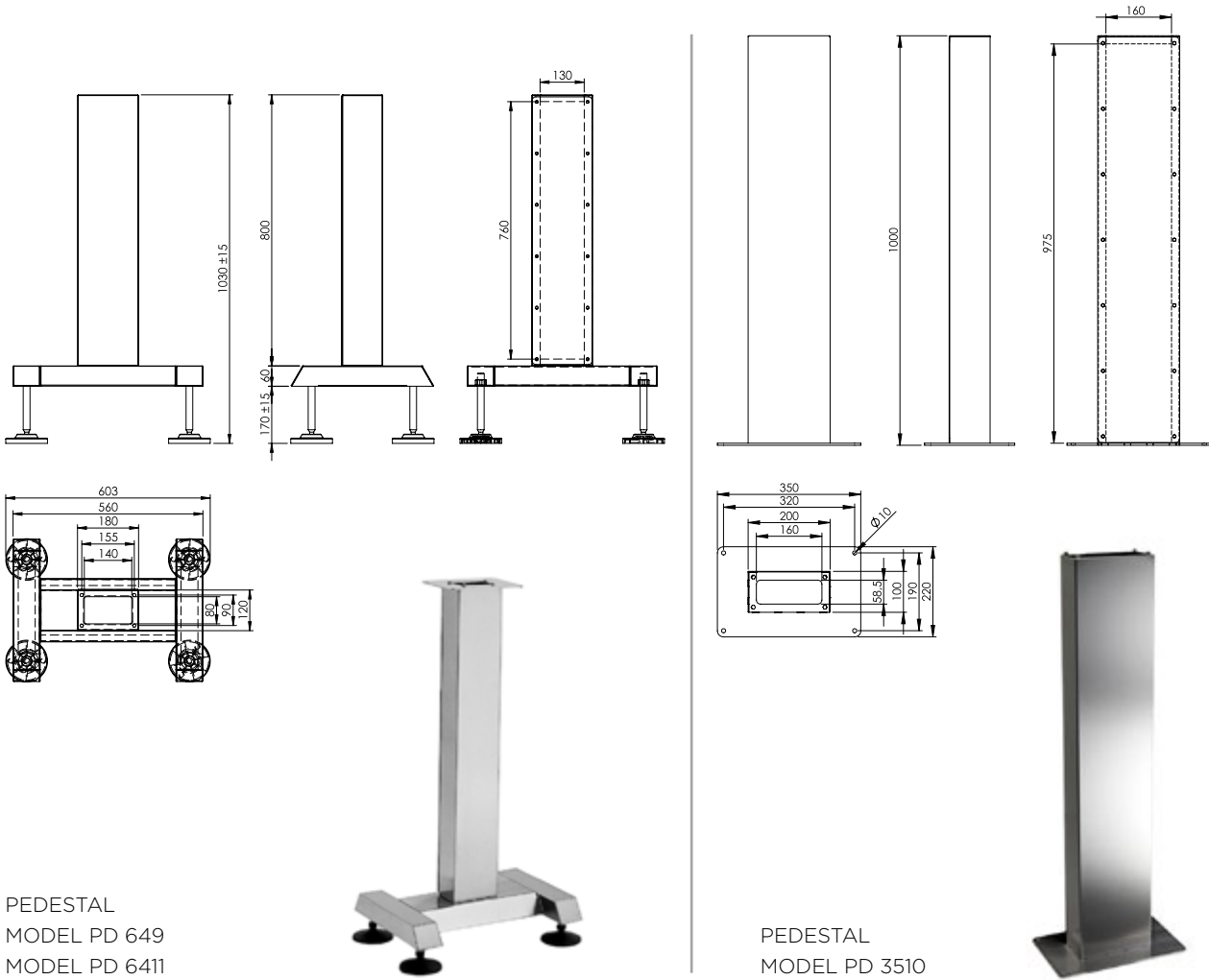


Accessories must always be specified during quote and order phase.

PEDESTALS

AISI 304L (Wnr 1.4307) stainless-steel pedestal for installation of the enclosure within operator reach.

Code	Description
Q4SV00023500091	MODEL PD 649 (W 560 x H 920 x D 420) Lower base equipped with adjustable feet also suitable for securing to the floor; upper base flat with holes for fixing enclosure and screwed rear access.
Q4SV00023500151	MODEL PD 6411 (W 560 x H 1120 x D 420) Lower base equipped with adjustable feet also suitable for securing to the floor; upper base flat with holes for fixing enclosure and screwed rear access.
Q4SV00023500036	MODEL PD 3510 (W 350 x H 1000 x D 220) Lower base suitable for securing to the floor; upper base flat with holes for fixing enclosure and screwed rear access.



PEDESTAL
MODEL PD 649
MODEL PD 6411

PEDESTAL
MODEL PD 3510

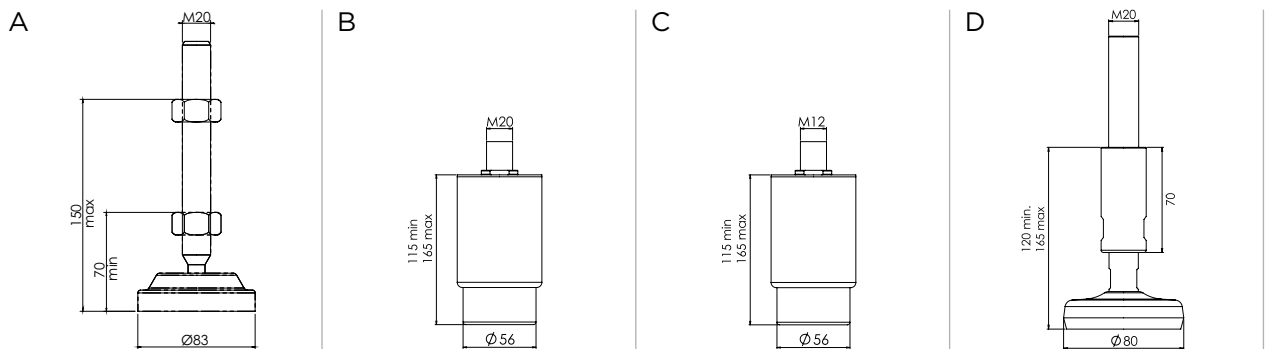
Accessories must always be specified during quote and order phase.

FEET AND WHEELS

FEET

IRINOX offers various types of height-adjustable feet. The addition of feet involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

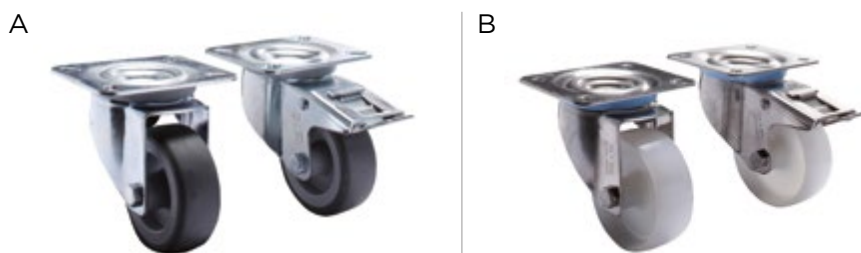
Code	Description
0133750002.01	Kit with 4 feet, M20 Ø 83 (A)
013707615	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M20 pin. Individual load 800 N (only for cabinet with plinth). (B)
013707620	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M12 pin. Individual load 800 N (C)
013707500	Kit with 4 Hygienic M20 Ø 80 feet in AISI 304 (Wnr 1.4301) stainless steel. (D)



WHEELS

IRINOX offers various types of wheels. The addition of wheels involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

Code	Description
013707700	Kit with 4 FeZn pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N (A)
013707710	Kit with 4 stainless-steel pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N (B)



To mount feet and wheels, special adaptations will be required at the customer's expense if ordered separately.

Accessories must always be specified during quote and order phase.

WINDOWS

FPH PROTECTION WINDOWS WITH FRAME

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door
(transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays).

Concealed hinges
in stainless steel that enable 130° opening angle.

Closure: 3 mm stainless-steel double-bit lock.

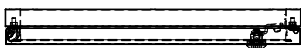
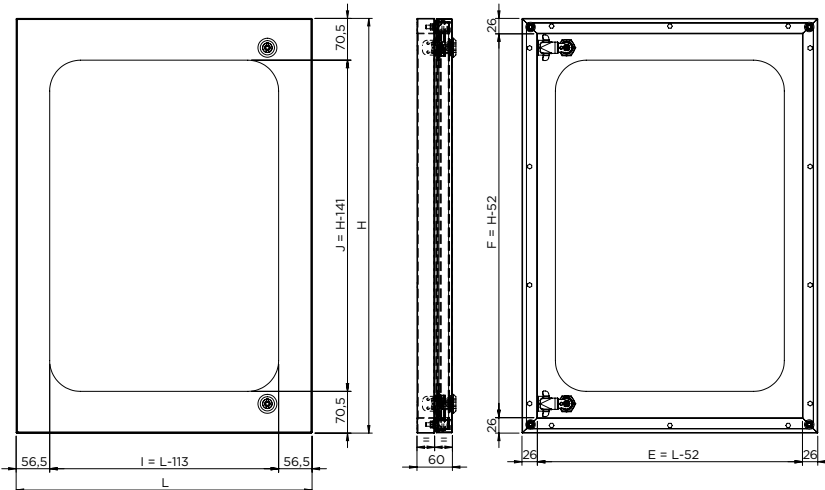
Easy cleaning and hygiene
guaranteed by the design of frame and door profiles.

Double rear seal for maximum performance.

cURus certification on request (with transparent polycarbonate sheet, 4 mm thickness, with UL approval).

On request: customised dimensions, 3+3 security glazing, manufacture in AISI 316L (Wnr 1.4404) stainless steel, stainless-steel locks, pistons for vertical opening.

IP66 and IK10 protection rating



L = W (width)
H = H (height)
P = D (depth)

Model	Code	EKO	EKV	EKOV	EKMV	EKO H	EKS
FPH 50 50	FH0500500060001	•				•	•
FPH 50 70	FH0500700060002	•				•	•
FPH 70 50	FH0700500060001	•				•	•
FPH 75 75	FH0750750060001	•				•	•

Model	Code	External dimensions in mm			LEXAN opening		Overall opening		Certifications 	IP66 IK10
		W	H	D	I	J	E	F		
FPH 50 50	FH0500500060001	500	500	60	387	359	448	448	on request	✓
FPH 50 70	FH0500700060002	500	700	60	387	559	448	648	on request	✓
FPH 70 50	FH0700500060001	700	500	60	587	359	648	448	on request	✓
FPH 75 75	FH0750750060001	750	750	60	637	609	698	698	on request	✓

Tables list the most popular models. IRINOX can produce FPH windows with a spacing of 10 mm, minimum dimensions of 200 mm x 200 mm x 60 mm, and maximum dimensions of 1000 mm x 1600 mm x 60 mm.

Accessories must always be specified during quote and order phase.

FP PROTECTION WINDOWS FIXED DIRECTLY TO THE WALL

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door
(transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays).

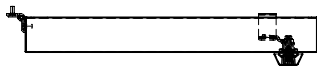
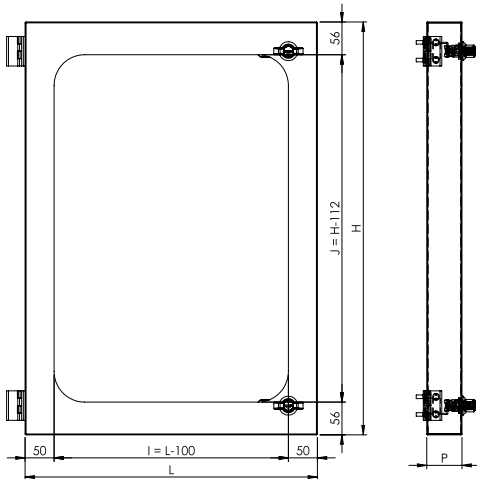
Hinged door with 180° opening.

Fastener quick closures with EK333 key.

On request: customised dimensions, 3+3 security glazing AISI 316L (Wnr 1.4404) stainless steel.

Also on request: stainless-steel locks and pistons for vertical opening.

IP65 and IK10 protection rating



L = W (width)
H = H (height)
P = D (depth)

Model	Code	EKO	EKV	EKOV	EKMV	EKO H	EKS
FP 50 50	FP0500500060001	•				•	•
FP 50 70	FP0500700060001	•				•	•
FP 70 50	FP0500700060001	•				•	•
FP 75 75	FP0750750060001	•				•	•

Model	Code	External dimensions in mm			LEXAN opening		Certifications	IP65 IK10
		W	H	D	I	J		
FP 50 50	FP0500500060001	500	500	60	400	388	not present	√
FP 50 70	FP0500700060001	500	700	60	400	588	not present	√
FP 70 50	FP0700500060001	700	500	60	600	388	not present	√
FP 75 75	FP0750750060001	750	750	60	650	638	not present	√

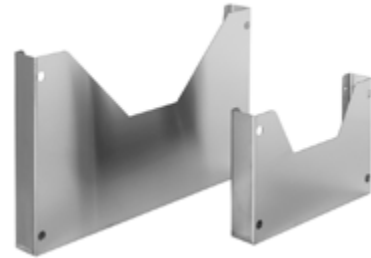
Tables list the most popular models. IRINOX can produce FP windows with a spacing of 10 mm, minimum dimensions of 200 mm x 200 mm x 60 mm, and maximum dimensions of 1000 mm x 1600 mm x 60 mm.

Accessories must always be specified during quote and order phase.

DIAGRAM-HOLDER POCKET

Diagram-holder pocket in AISI 304L (Wnr 1.4307) stainless steel or FeZn to store electrical diagrams and other documents inside electrical enclosures.


Code	Description	External dimensions mm W x H x D
Q4SV00023500003	Diagram-holder pocket in AISI 304 (Wnr 1.4301) stainless steel for A4 sheet, fixed with electric-welded stud bolts*	300 x 200 x 45
Q4SV00023500017	Diagram-holder pocket in AISI 304 (Wnr 1.4301) stainless steel for A3 sheet on W=800 mm door, fixed with electrowelded stud bolts*	500 x 300 x 55



Specify fixing position during quote and order phase.





*If ordered separately, it will be supplied with double-sided tape for mounting.

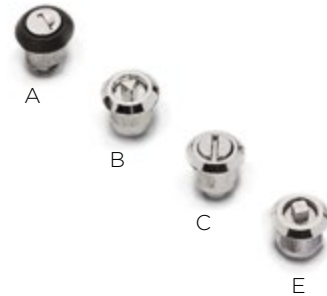
CLOSURE SYSTEMS

Standard closing systems consist of a 3 mm 1/4-turn double-bit lock. 





For IP66 two-door enclosures without central support, standard closures consist of a concealed handle with 3 mm double-bit key and rod system.

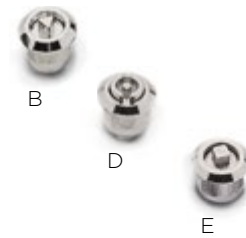
For closures with other types of locks and corresponding keys, consult the following tables.

Code	Description	
013706541	Closure in chromed Zamak with EK 333 insert (A)	
013706511	8 mm Closure in chromed Zamak with budget lock (B)	
013706531	Closure in chromed Zamak with budget lock (C)	
013706521	8 mm Closure in chromed Zamak with budget lock (E)	
	FeZn cam H=mm*	








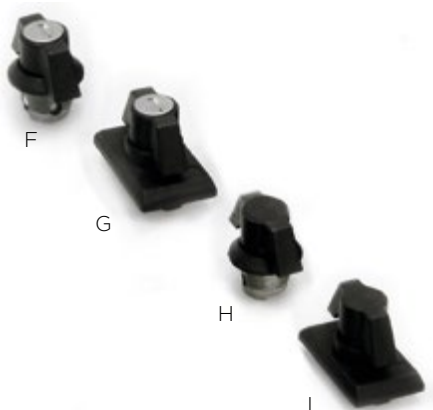
*Specify cam height when ordering: 18 - 22 - 24 - 29 - 32 - 40 - 50 mm

Code	Description	
013706571	8 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (E)	
013706561	8 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (B)	
013706501	3 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (D)	
013706551	5 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (D)	
013706556	5 mm AISI 316 (Wnr 1.4404) stainless steel closure with budget lock (D)	
	FeZn cam H=mm*	



*Specify cam height when ordering: 18 - 22 - 24 - 29 - 32 - 40 - 50 mm



Code	Description	
013706801	Fastner quick closure with EK 333 insert (F)	
013706821	Fastner quick closure with 313V2 A3132 insert (F)	
013706831	Fastner quick closure with R405E insert (F)	
013706871	34 X 59 mm Fastner quick closure with EK 333 insert with trim (G)	
013706891	34 X 59 mm Fastner quick closure with R455E insert with trim (G)	
013706791	Fastner quick closure without security insert (H)	
013706861	34 X 59 mm Fastner quick closure without security insert with trim (I)	

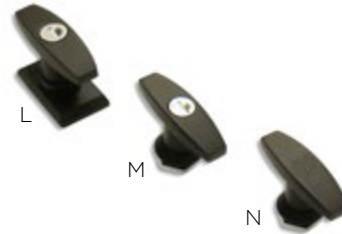











Consult previous tables for cams, closing mechanisms, rod packs, and keys in following tables.

N.B.: closures with trim require use of an internal rod system.

Accessories must always be specified during quote and order phase.






Code	Description	
013706760	34 X 59 T handle with EK 333 insert with trim (L)	
013706750	T handle with EK 333 insert (M)	
013706740	T handle without security insert (N)	



Code	Description	
013706600	3 mm Concealed handle with budget lock	
013706610	8 mm Concealed handle with budget lock	
013706620	8 mm Concealed handle with budget lock	
013706630	Concealed handle with EK333 insert (O)	
013706640	Concealed handle with E3133 insert (O)	
013706650	Concealed handle with E313V2 A3132 insert (O)	
013706660	Concealed handle with R405E insert (O)	
013706670	Concealed handle with R455E insert (O)	
013706690	Concealed handle with G9233 insert (O)	
013706720	Closure mechanism (specify cabinet type)	
013706730	Rod pack (specify dimensions and type of cabinet)	
013706705	Concealed handle in AISI 316 (Wnr 1.4404) stainless steel*	



*Specify the type of key desired when ordering

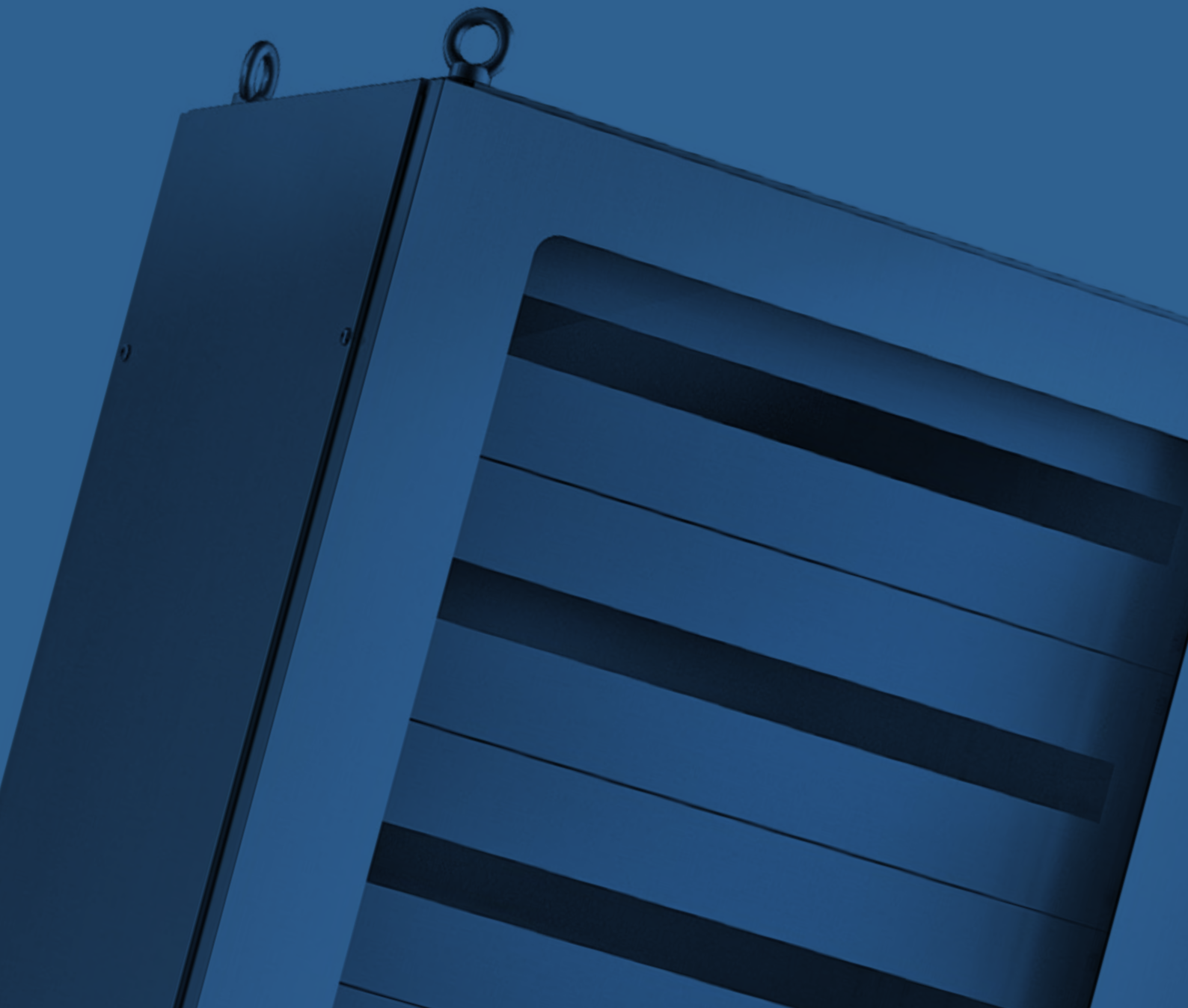
Code	Description	
013706911	8 mm Key with budget lock (R)	
013706931	EK333 key (S)	
013706921	8 mm Key with budget lock (Q)	
013706901	5 mm Key with budget lock (P)	
013706710	Hygienic Key with budget lock (T)	



For more accessories, please consult the section "OTHER ACCESSORIES".
Accessories must always be specified during quote and order phase.

MODULAR CABINETS

Range of modular cabinets that are ideal for control panels and power distribution, created in stainless steel. These are highly versatile and adaptable to customer requirements, with a wide range of different set-ups and accessories offering unlimited configurations.



- 66 BASIC MODULAR CABINET
MODEL AZ
- 68 MODULAR CABINET WITH LEXAN DOOR
MODEL AZV
- 70 MODULAR CABINET WITH LEXAN DOOR AND MODULAR PANELS
MODEL AZMV
- 72 MODULAR CABINET WITH CABLE CONDUIT
MODEL AZRC
- 74 ACCESSORIES

TECHNICAL BENEFITS

Internal plate with rollers on guides, adjustable in depth and removable at the side.

Reinforcing frame on door.

Extremely flexible and adaptable to different modular configurations.

Option for IP66 version with two doors without central support.

Front doors reversible and inversion of screw-on side walls possible.

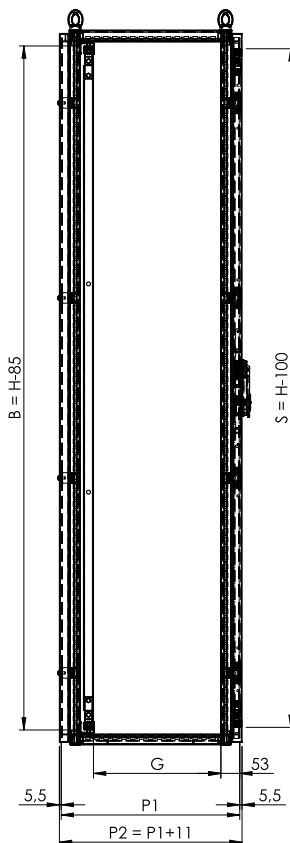
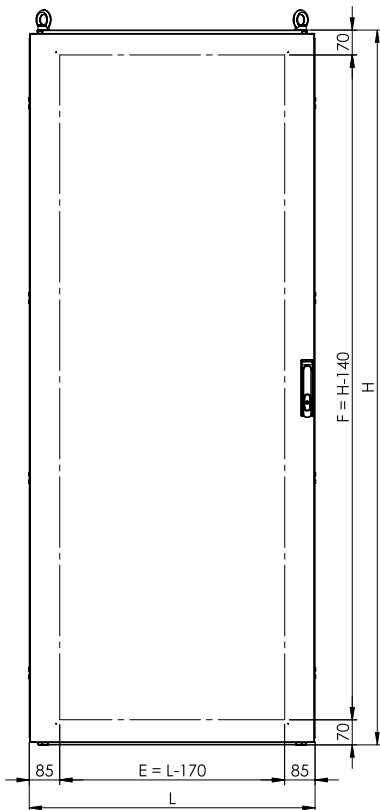
UL certification on standard product, special set-ups and groupings.

MODULAR CABINETS

MODULAR CABINET
BASIC STRUCTURE

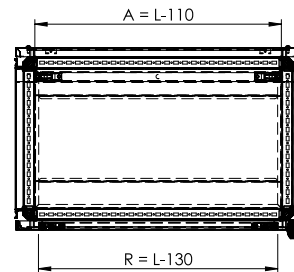
AZ

The range of IRINOX modular cabinets, in AISI 304L (Wnr 1.4307) stainless steel, is composed of expandable structures ready for individual applications or in configurations with multiple units. The basic module, with blind door, forms the starting structure to be used also for application of other set-ups. Versatility and easy mounting make it possible to swap doors on the front of units and invert the screw-on side walls. 25/10 FeZn internal plate.



P1= Nominal D
P2= Actual D

L = W (width)
H = H (height)
P = D (depth)



CERTIFICATIONS

As standard	IP66
On request	Single door: ATEX 3GD, IP69K Entire range: UL-CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 1200 mm D= 200 mm
Maximum dimensions	Single door: W= 1200 mm H= 2200 mm D= 1000 mm Double door: W= 2000 mm H= 2200 mm D= 1000 mm
Dimensional pitch	50 mm
Door drilling reference	E= W- 170 mm F= H- 140 mm
Internal plate	Lateral insertion, A= W- 110 mm B= H- 85 mm
Usable depth	G= nominal D-150 (individual door) G= nominal D-160 (two doors without centre support)
Centre-to-centre distance for cabinet fastening	M12 three-way element position on top and bottom: W- 80 mm nominal D - 80 mm M10 floor mounting with feet, plinth: W- 127 mm D- 127 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Thicknesses	Panelling 1.5 mm
Door thickness	1.5 mm
Door	Blind door, rotation inside shoulder, reversible
Door fastening	Hinged with frame for W ≥ 550 mm
Door opening	115°
Door frame	R= nominal D-130 S= H-100 pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing
Closing system	Concealed rotating handle
Cabinet back	Thickness 1.5 mm screwed-on
Sides	Not present, single, double
Top	Removable for frame with D ≥ 650 mm
Cabinet bottom	With removable modular cable gland plates
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, coating, micro shot-peening, passivation
Thicknesses	2 mm
Door	Hinges on right, screwed-on
Cabinet back	Hinged on left or right
Sides	Screwed-on panelling, with D ≥ 650 mm with reinforcement frame to be requested when ordering. <ul style="list-style-type: none"> • Structure with sides: Total W = W+7 • Material A304L or A316L, thickness 1.5 mm • Standard internal plate W-110, partial internal plate W-55, full internal plate W-0
Internal plate	<ul style="list-style-type: none"> • Standard internal plate with insertion from front
Seal	Silicone coated up to H 1900 mm
Installation on mobile arm	Internal reinforcement at joint applicable on top and sides
Components on request	A316 eye bolts, A316 screws

Product accessories

- / Rain canopy
- / 30° Dust canopy
- / Upper cable compartment
- / Plinth
- / Base
- / Feet
- / Wheels
- / Protection windows
- / Control console
- / Inner door
- / Fixed or swivelling 19" rack support
- / Diagram-holder pockets
- / Flap tops
- / Series configurations
- / Wall brackets
- / Pre-drilled door support
- / Pre-drilled cable input support
- / Pre-drilled depth support
- / Pre-drilled vertical support
- / Transformer support
- / LED and micro support
- / Voltage detector device support
- / Partition wall vertical and horizontal

For more accessories, please consult the section "OTHER ACCESSORIES".

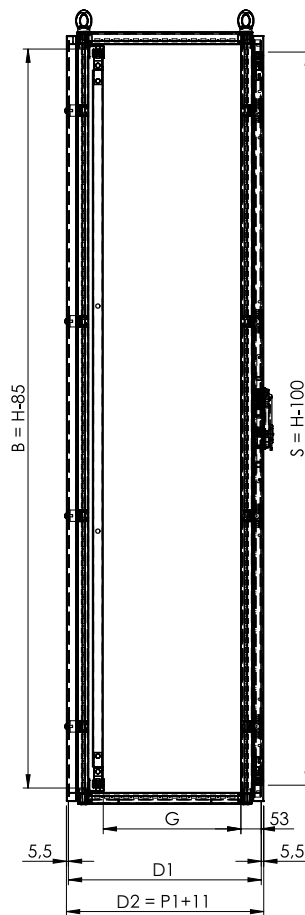
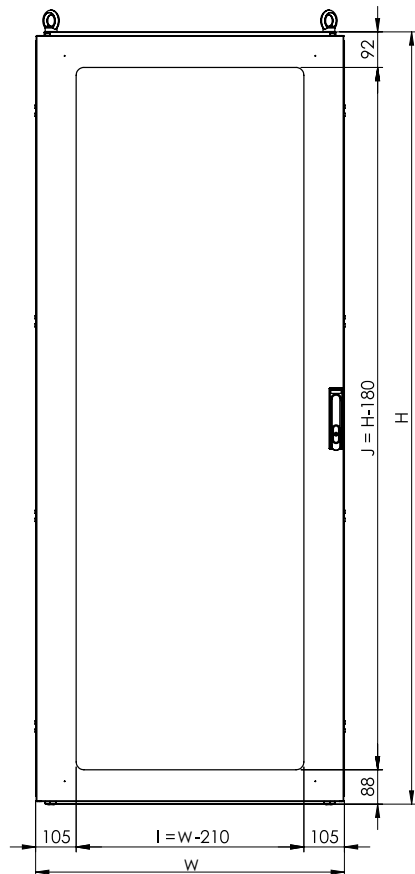


MODULAR CABINETS

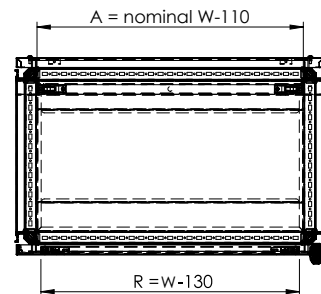
MODULAR CABINET
WITH LEXAN DOOR

AZV

AZV modular cabinets in AISI 304L (Wnr 1.4307) stainless steel, equipped with transparent Lexan doors. 25/10 FeZn internal plate.



P1= Nominal D
P2= Actual D



CERTIFICATIONS

As standard

IP66

On request

Single door: ATEX 3GD, IP69K
Entire range: UL-CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 1200 mm D= 200 mm
Maximum dimensions	Single door: W= 1200 mm H= 2200 mm D= 1000 mm Double door: W= 2000 mm H= 2200 mm D= 1000 mm
Dimensional pitch	50 mm
LEXAN opening	I= W- 210 mm J= H- 180 mm
Internal plate	Lateral insertion, A=W- 110 mm B=H- 85 mm
Usable depth	G= nominal D-150 (individual door) G= nominal D-160 (two doors without centre support)
Centre-to-centre distance for cabinet fastening	Position of M12 bushes: W- 80 mm nominal D - 80 mm M10 floor mounting with feet, plinth: W- 127 mm D- 127 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Thicknesses	Panelling 1.5 mm
Door thickness	1.5 mm
Door	Lexan, rotation inside shoulder, reversible
Door fastening	Hinged with frame for W ≥ 550 mm
Door opening	115°
Door frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing. R= nominal D-130 S= H-100
Closing system	Concealed rotating handle
Cabinet back	Thickness 1.5 mm screwed-on
Sides	Not present, single, double
Top	Removable for frame with D ≥ 650 mm
Cabinet bottom	With removable cable gland plates, without seal
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, coating, micro shot-peening, passivation
Thicknesses	2 mm
Door	Hinges on right, screwed-on, 3+3 glass
LEXAN opening	Can be reduced with custom design
Cabinet back	Hinged on left or right
Sides	Screwed-on panelling, with D ≥ 650 mm with reinforcement frame
Internal plate	<ul style="list-style-type: none"> Material A304L or A316L, thickness 1.5 mm Standard internal plate W-110, partial internal plate W-55, full internal plate W-0 Standard internal plate with insertion from front
Seal	Silicone coated up to H 1900 mm
Installation on mobile arm	Internal reinforcement at joint applicable on top and sides
Components on request	A316 eye bolts, A316 screws

Product accessories

- / Rain canopy
- / 30° Dust canopy
- / Upper cable compartment
- / Plinth
- / Base
- / Feet
- / Wheels
- / Protection windows
- / Control console
- / Inner door
- / Fixed or swivelling 19" rack support
- / Interblock system with rods for series configurations
- / Wall brackets
- / Pre-drilled door support
- / Pre-drilled cable input support
- / Pre-drilled depth support
- / Pre-drilled vertical support
- / Transformer support
- / LED and micro support
- / Voltage detector device support
- / Partition wall vertical and horizontal

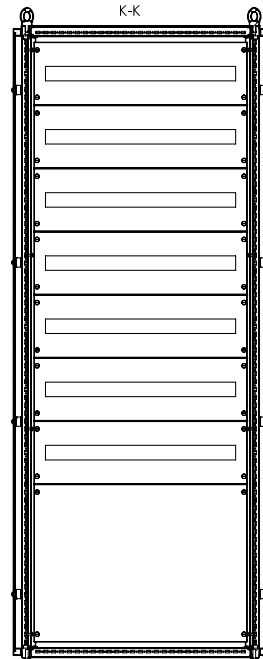
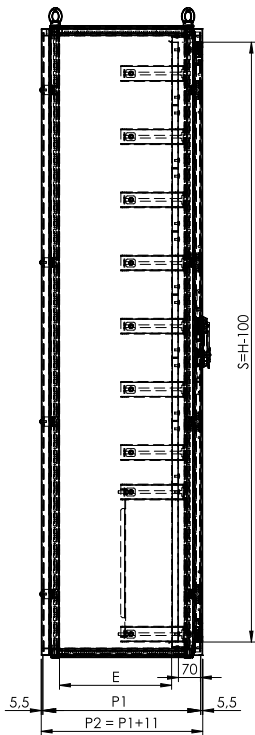
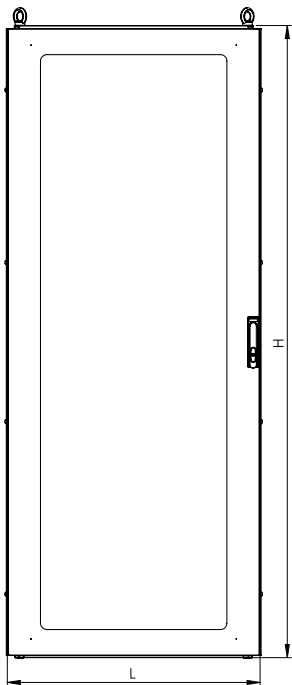
For more accessories, please consult the section "OTHER ACCESSORIES".



MODULAR CABINETS

MODULAR CABINET
WITH LEXAN DOOR
AND MODULAR PANELS
AZMV

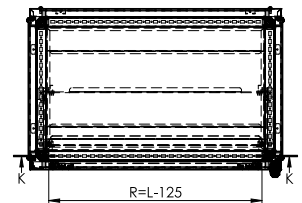
Model AZMV consists of the starting structure AZV with addition of modular panels.
The modular panels can be either blind or with slot and feature adjustable brackets for DIN rail support or dedicated internal plates.



R= Panel width
S= Panel height

P1= Nominal D
P2= Actual D

L = W (width)
H = H (height)
P = D (depth)



CERTIFICATIONS

As standard	IP66
On request	Single door: ATEX 3GD, IP69K Entire range: UL-CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 1200 mm D= 200 mm
Maximum dimensions	W= 1000 mm H= 2200 mm D= 1000 mm
Dimensional pitch	50 mm
LEXAN opening	W- 210 mm H- 180 mm
Front usable depth	Nominal D - 70 mm
Rear usable depth	E= nominal D - 145 mm
Centre-to-centre distance for cabinet fastening	M12 three-way element position on top and bottom: W- 80 mm nominal D- 80 mm M10 floor mounting with feet, plinth: W- 127 mm D- 127 mm
DIN rail adjustment	145 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Thicknesses	Outer panelling 1.5 mm, modular panelling 1.2 mm
Door thickness	1.5 mm
Door	LEXAN door, rotation inside shoulder, reversible
Door fastening	Hinged with frame for $W \geq 550$ mm
Door opening	115°
Door frame	R= nominal D- 130 S= H- 100 pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing
Closing system	Concealed rotating handle
Cabinet back	Thickness 1.5 mm screwed-on
Sides	Not present, single, double
Top	Removable for frame with $D \geq 650$ mm
Cabinet bottom	With removable, modular cable gland plates without seal
Internal plate	On request for 2.5 mm FeZn modular panels
Modular panels	Blind or with slot thickness 1.2 mm panel width R= nominal W- 125
Seal	Polyurethane

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, coating, micro shot-peening, passivation
Thicknesses	2 mm
Door	Hinges on right, screwed-on, blind, 3+3 glass R= nominal W- 100 Consider "H combination modular panels" as "nominal cabinet H" -100 mm.
Modular panel combinations and dimensions	Blind panels with slot, screwed on or hinged and screwed on or hinged with closure, with DIN rail supports or with dedicated internal plate in FeZn, thickness 2.5 mm, switch box
Sides	Screwed-on panelling, with $D \geq 650$ mm with reinforcement frame • Material A304L or A316L, thickness 1.5 mm
Internal plate	• Standard internal plate W-110, partial internal plate W-55, full internal plate W-0 • Standard internal plate with insertion from front
Seal	Silicone coated up to H 1900 mm
Installation on mobile arm	Internal reinforcement at joint applicable on top and sides
Components on request	A316 eye bolts, A316 screws

Product accessories

- / Rain canopy
- / 30° Dust canopy
- / Upper cable compartment
- / Plinth
- / Base
- / Feet
- / Wheels
- / Protection windows
- / Control console
- / Wall brackets
- / Pre-drilled door support
- / Pre-drilled cable input support
- / Pre-drilled depth support
- / Pre-drilled vertical support
- / Transformer support
- / LED and micro support

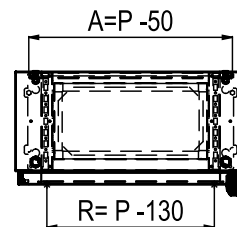
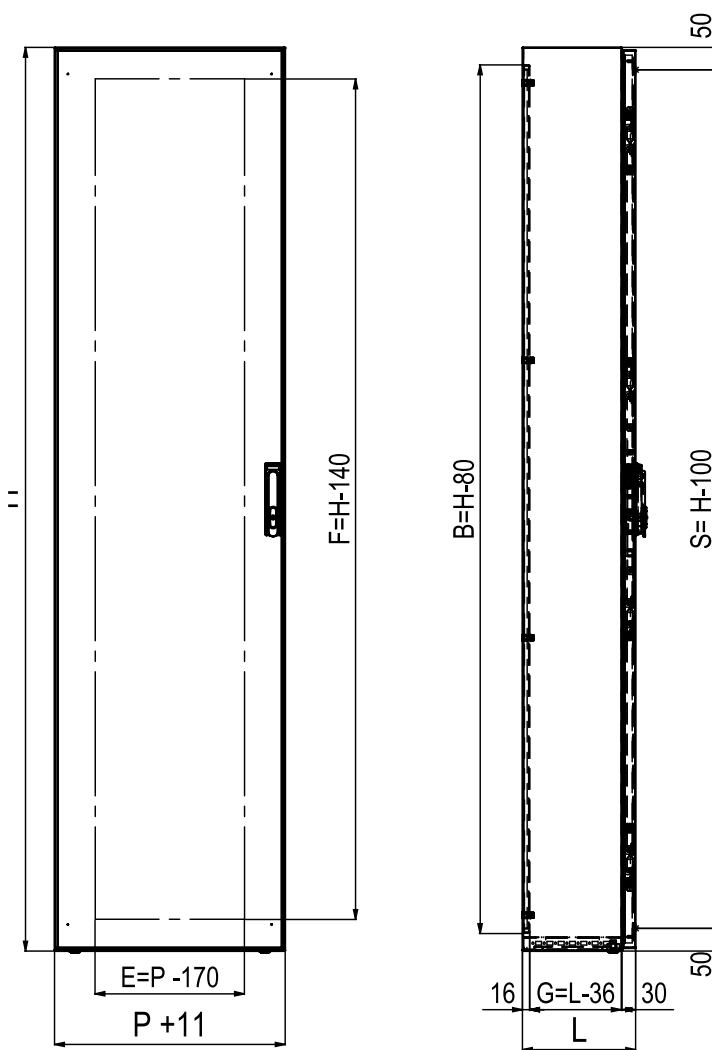
For more accessories, please consult the section "OTHER ACCESSORIES".



MODULAR CABINETS

MODULAR CABINET WITH CABLE CONDUIT AZRC

The cable conduit add-on, model AZRC, is a module for start/end of row, suitable for running electrical cables up into unit and down out of unit. Created in AISI 304L (Wnr 1.4307) stainless steel. The FeZn internal plate separates it from the cabinets it is added to.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard

IP66

On request

ATEX 3GD - IP69K - UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm D= 300 mm H= 1200 mm
Maximum dimensions	W= 300 mm D= 1000 mm H= 2200 mm
Dimensional pitch	50 mm
Door drilling reference	E= nominal D- 170 mm F= H- 140 mm
Internal plate	A= nominal D- 50 S= nominal H- 80
Usable depth	G= L- 36
Centre-to-centre distance for cabinet fastening	M6 for variable fixing of AZ cabinet depending on height. M12 with fixing on bottom, door side -50. M10 floor mounting with feet, plinth, door side: W- 52.5 mm P= nominal D- 127 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Thicknesses	1.5 mm
Door thickness	1.5 mm
Door	Blind, rotation inside shoulder, reversible
Door fastening	Hinged with frame for W ≥ 550 mm
Door opening	115°
Door frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing R= nominal D- 130 S= H- 100
Closing system	Concealed rotating handle
Cover thickness	1.5 mm
Cabinet back	Drilled for passing cables, fastenings on AZ structure
Cabinet bottom	Flat cable gland plate including polyurethane seal
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

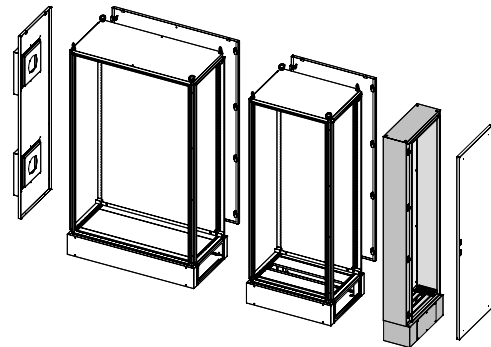
CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, coating, micro shot-peening, passivation
Thicknesses	2 mm
Door	Hinges on right, screwed-on
Internal plate	Material A304L or A316L, thickness 1.5 mm
Seal	Silicone coated up to H 1900 mm
Components on request	A316 eye bolts, A316 screws

Product accessories

- / Rain canopy
- / 30° Dust canopy
- / Upper cable compartment
- / Plinth
- / Base
- / Feet
- / Wheels
- / Protection windows
- / Control console
- / Wall brackets
- / Pre-drilled door support
- / Pre-drilled cable input support
- / Pre-drilled depth support
- / Pre-drilled vertical support
- / Transformer support
- / LED and micro support

For more accessories, please consult the section "OTHER ACCESSORIES".



ACCESSORIES

A wide range of accessories are available for every single standard or customised model, meeting all specific requirements. Certain accessories require special adaptation of the cabinet, and their application may alter the IP protection rating or affect certifications. Check when ordering.

JOINING KIT

Various types of kits exist for joining modular cabinets with various configuration options for the internal plate. Below is a list of spare-part codes for the most common joining kits. For other configurations, please ask when ordering.

KIT FOR JOINING STRUCTURES OF MODULAR CABINETS

Code	Description
AZKUA1800400009	CABINET JOINING KIT 180 40
AZKUA1800500009	CABINET JOINING KIT 180 50
AZKUA1800600007	CABINET JOINING KIT 180 60
AZKUA2000400012	CABINET JOINING KIT 200 40
AZKUA2000500008	CABINET JOINING KIT 200 50
AZKUA2000600010	CABINET JOINING KIT 200 60



The joining kit includes:

- / structure joining hooks (see detail in figure D)
- / various screws for fixing
- / adhesive seal
- / upper filling
- / lifting brackets.

The table lists joining solutions for the most popular models. IRINOX can create modular cabinets with a spacing of 50 mm. Please specify the dimensions of modules to join during quote and order phase.

JOINING KIT FOR PLATES AND MODULAR CABINETS

A Standard configuration for structures next to one another featuring side plates with a reduced width and central plate across full width.

TOT = internal plate with full width
PAR = side plates with partial width

The FeZn joining kit for AZ cabinets with full/partial internal plate includes:

- / structure joining hooks (see detail in figure D)
- / various screws to join plates
- / upper filling
- / lifting brackets
- / adhesive seal.

B Configuration on request with full internal plate

TOT = internal plate with full width

The FeZn joining kit for AZ cabinets with full internal plate includes:

- / structure joining hooks (see detail in figure D)
- / various screws to join plates
- / upper filling
- / lifting brackets
- / adhesive seal.

Code for joining kit A and B	Description
AZKUA1800400006	JOINING KIT 180 40 I.P. PART./FULL
AZKUA1800500007	JOINING KIT 180 50 I.P. PART./FULL
AZKUA1800600006	JOINING KIT 180 60 I.P. PART./FULL
AZKUA2000400010	JOINING KIT 200 40 I.P. PART./FULL
AZKUA2000500010	JOINING KIT 200 50 I.P. PART./FULL
AZKUA2000600009	JOINING KIT 200 60 I.P. PART./FULL

C Configuration on request with standard independent internal plate

STD = internal plate (with side insertion)

U = joining kit for internal plate

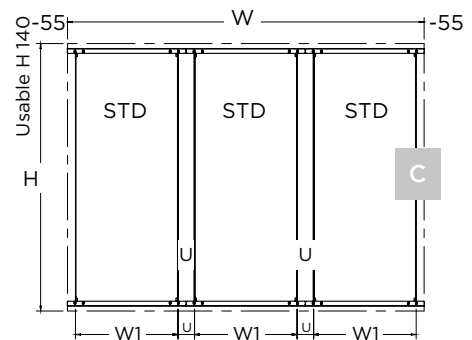
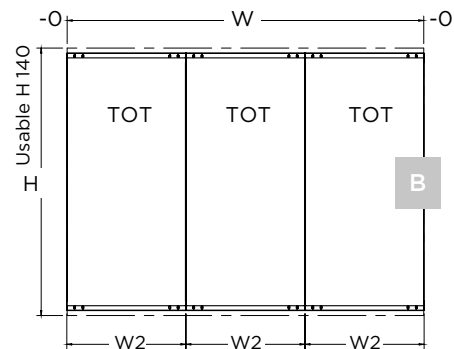
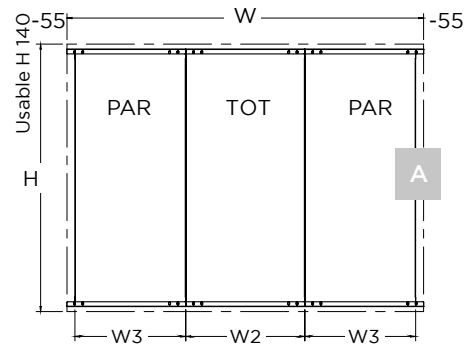
The FeZn joining kit for AZ cabinets with standard independent internal plate varies depending on the cabinet height (H=1800 mm and H=2000 mm) and includes:

- / joining plate W=110 mm (U)
- / structure joining hooks (see detail in figure D)
- / various screws to join plates
- / upper filling
- / lifting brackets
- / adhesive seal.

Code for joining kit C	Description
AZKUA1800400007	JOINING KIT 180 40 I.P. STD
AZKUA1800500003	JOINING KIT 180 50 I.P. STD
AZKUA1800600005	JOINING KIT 180 60 I.P. STD
AZKUA2000400007	JOINING KIT 200 40 I.P. STD
AZKUA2000500007	JOINING KIT 200 50 I.P. STD
AZKUA2000600008	JOINING KIT 200 60 I.P. STD

The table lists joining solutions for the most popular models. IRINOX can create modular cabinets with a spacing of 50 mm. Please specify the dimensions of modules to join during quote and order phase.

Accessories must always be specified during quote and order phase.



W1 = Structure width - 110 mm

W2 = Structure width

W3 = Structure width - 55 mm

MODULAR CABINETS ACCESSORIES

CABLE GLAND PLATES

Cable input gland plate in AISI 304L (Wnr 1.4307) stainless steel suitable for applications with cable glands.
Standard set-ups with flat cable gland plate; can be swapped with single foam or guillotine cable gland plate on request.



FLAT CABLE GLAND PLATE
(included in standard set up)



**SINGLE FOAM CABLE
GLAND PLATE**



**GUILLOTINE CABLE
GLAND PLATE**

EXTERIOR SET-UPS

CANOPIES

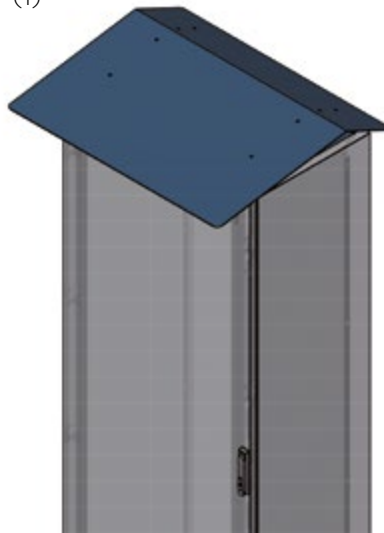
Canopy in AISI 304L (Wnr 1.4307) stainless steel to complete applications of cabinets exposed to the weather.

1. RAIN CANOPY: overhanging on all sides; in applications with units next to one another, a special version of the canopy is created.

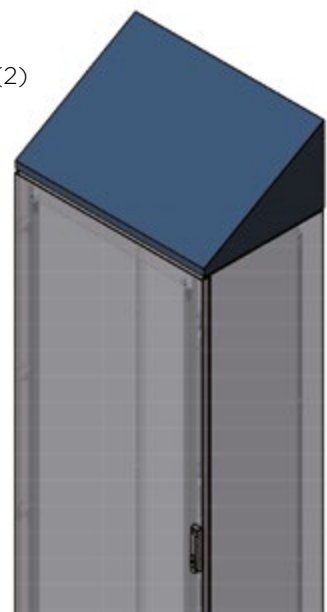
2. DUST CANOPY: dust-protection version with 30° angle (various angles available, to be checked during quote/order phase). in applications with units next to one another, a special version of the canopy is created.

Both models are fixed to the cabinet with M12 bushes.

(1)



(2)



Accessories must always be specified during quote and order phase.

PLINTH

Base in AISI 304L (Wnr 1.4307) stainless steel for floor mounting of cabinet;
Access for inspection on all four sides and open at the bottom.
Each plinth is composed of two panels (front/rear) and two blind side panels.
In applications with two structures next to one another, the side panels of
the plinth located inside have holes to pass cables between the plinth of one
structure and the other.

The height of the standard plinth is chosen from 100 mm or 200 mm.
Position of $\varnothing 12$ holes to anchor plinth:
W (external dimensions of structure) - 127 mm
D (external dimensions of structure) - 127 mm



PLINTH BOTTOM

Closed with sheet in AISI 304L (Wnr 1.4307) stainless steel,
screwed on.

*Plinth bottom features guillotine cable gland plate as standard.



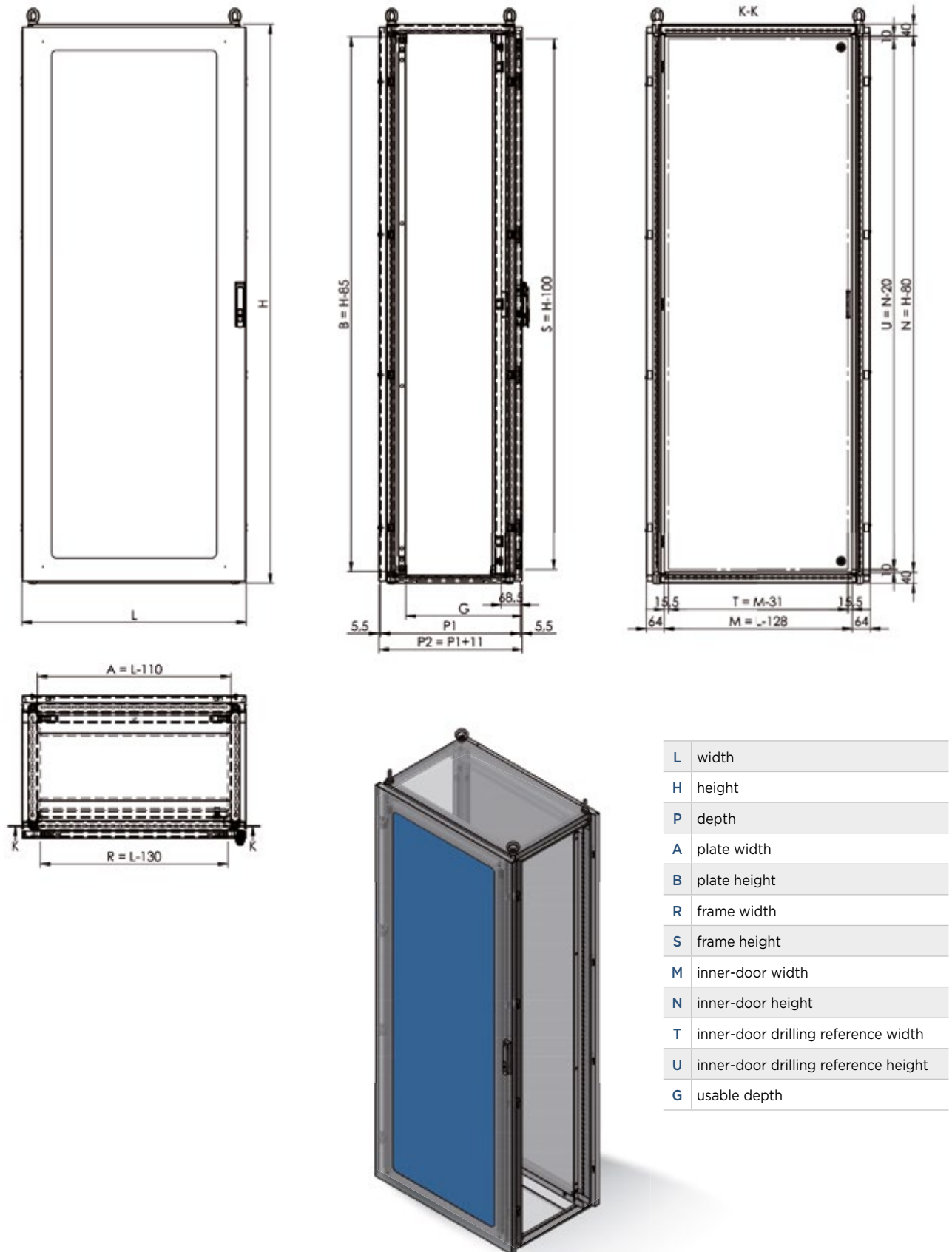
CABLE COMPARTMENT FOR MODULAR CABINETS

Protection for cables and power-distribution strips, to be installed in the upper
part of cabinets, created in AISI 304L (Wnr 1.4307) stainless steel. H= 200mm.



Accessories must always be specified during quote and order phase.

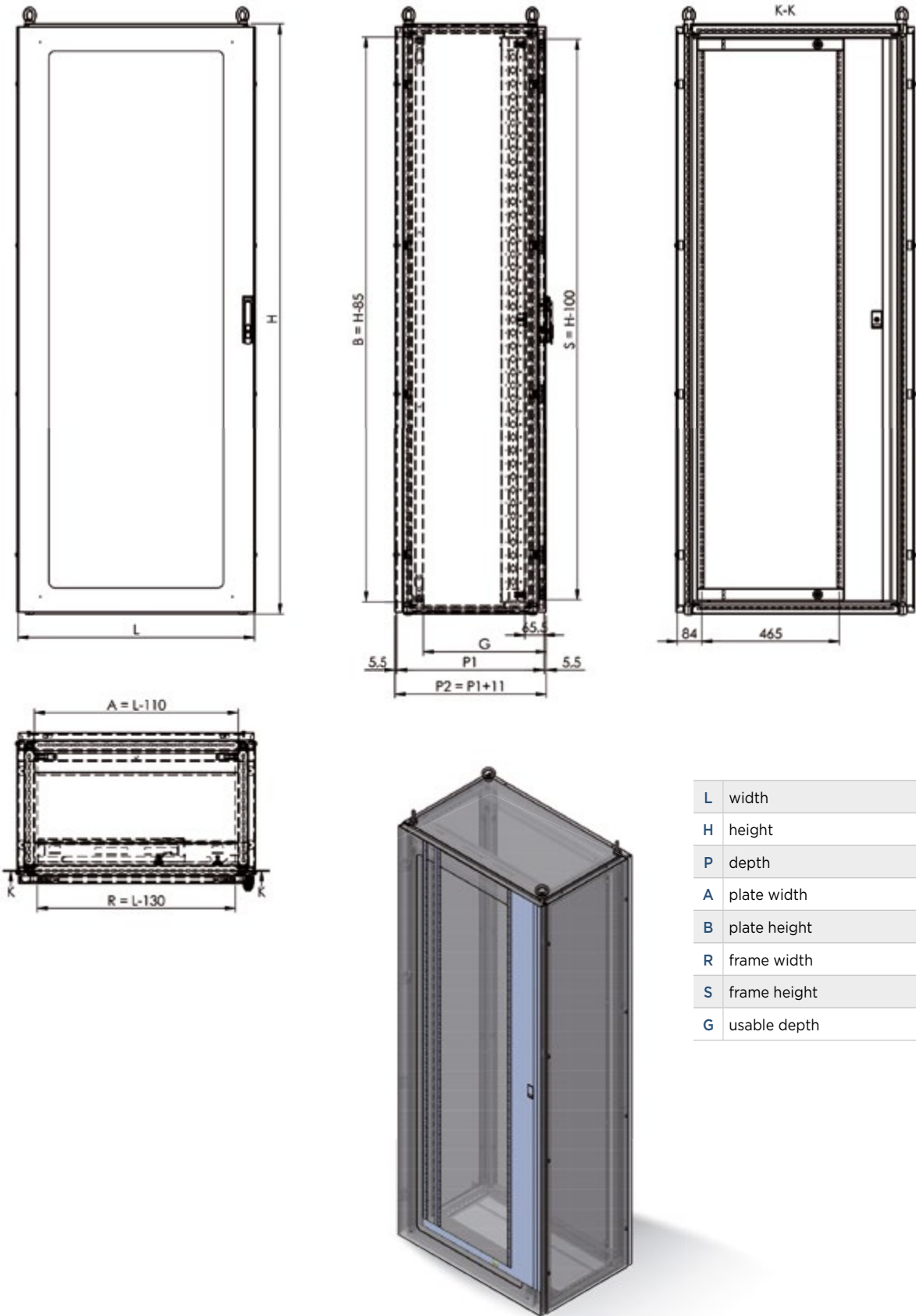
STAINLESS STEEL INNER DOOR KIT



Accessories must always be specified during quote and order phase.

SWIVELLING 19" RACK SUPPORTS

The swivelling 19" rack accessory is only available for single-door structures with width between 800 mm and 1000 mm.



L	width
H	height
P	depth
A	plate width
B	plate height
R	frame width
S	frame height
G	usable depth

Accessories must always be specified during quote and order phase.

WINDOWS

FPH PROTECTION WINDOWS WITH FRAME

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door
(transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays).

Concealed hinges
in AISI 304 stainless steel that enable 130° opening angle.

Closure: 3 mm stainless-steel double-bit lock.

Easy cleaning and hygiene
guaranteed by the design of frame and door profiles.

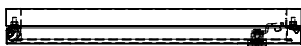
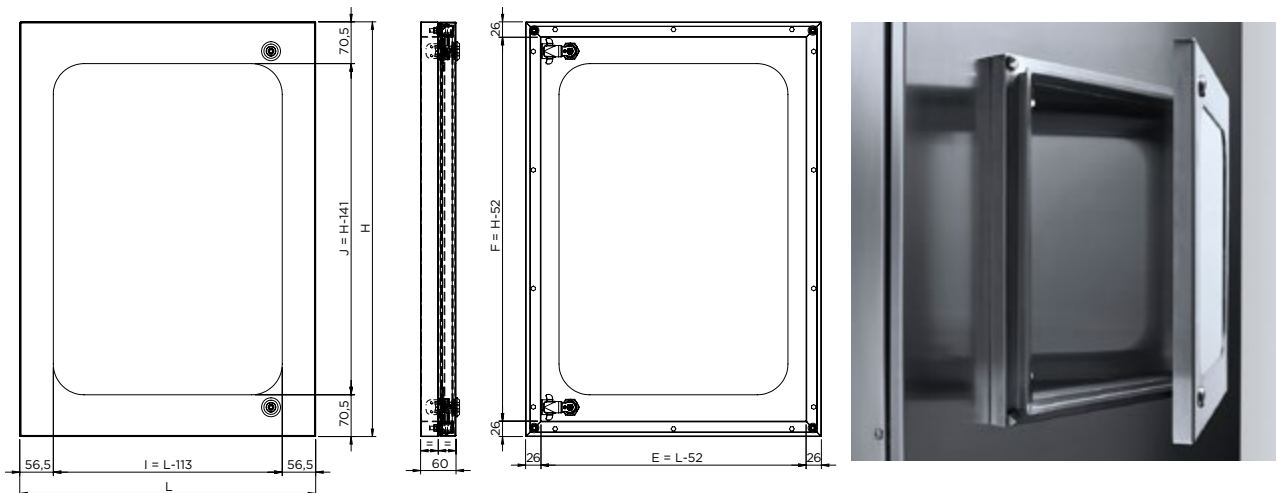
Double rear seal for maximum performance.

Plastic contact points for auto-centring of the door and to avoid crushing of the seal.

cURus certification on request (with transparent polycarbonate sheet, 4 mm thickness, with UL approval).

On request: customised dimensions, 3+3 security glazing, manufacture in AISI 316L (Wnr 1.4404) stainless steel, pistons for vertical opening.

IP66 and IK10 protection rating.



L = W (width)
H = H (height)
P = D (depth)

Model	Code	Basic model AZ	Set-up with Lexan door AZV	Set-up with modular panels AZMV	Cable conduit AZRC
FPH 50 50	FH0500500060001	•			•
FPH 50 70	FH0500700060002	•			•
FPH 70 50	FH0700500060001	•			•
FPH 75 75	FH0750750060001	•			•

Model	Code	External dimensions in mm			LEXAN opening		Overall opening		Certifications cURus
		W	H	D	I	J	E	F	
FPH 50 50	FH0500500060001	500	500	60	387	359	448	448	on request
FPH 50 70	FH0500700060002	500	700	60	387	559	448	648	on request
FPH 70 50	FH0700500060001	700	500	60	587	359	648	448	on request
FPH 75 75	FH0750750060001	750	750	60	637	609	698	698	on request

Tables list the most popular models. IRINOX can produce FPH windows with a spacing of 10 mm, minimum dimensions of 200 mm x 200 mm x 60 mm, and maximum dimensions of 1000 mm x 1600 mm x 60 mm.

Accessories must always be specified during quote and order phase.

FP PROTECTION WINDOWS FIXED DIRECTLY TO THE WALL

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door
(transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays).

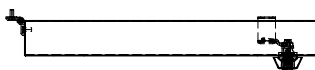
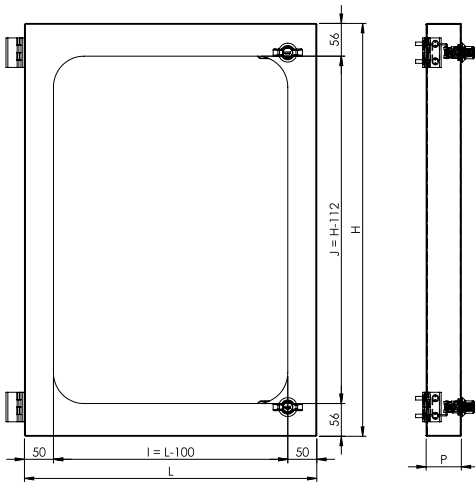
Hinged door with 180° opening.

Fastener quick **closures** with EK333 key.

On request: customised dimensions, 3+3 security glazing AISI 316L (Wnr 1.4404) stainless steel.

Also on request: stainless-steel locks and pistons for vertical opening.

IP65 and IK10 protection rating.



L = W (width)
H = H (height)
P = D (depth)

Model	Code	Basic model AZ	Set-up with Lexan door AZV	Set-up with modular panels AZMV	Cable conduit AZRC
FP 50 50	FP0500500060001	•			•
FP 50 70	FP0500700060001	•			•
FP 70 50	FP0700500060001	•			•
FP 75 75	FP0750750060001	•			•

Model	Code	External dimensions in mm			LEXAN opening		Certifications	IP65 IK10
		W	H	D	I	J		
FP 50 50	FP0500500060001	500	500	60	400	388	not present	✓
FP 50 70	FP0500700060001	500	700	60	400	588	not present	✓
FP 70 50	FP0700500060001	700	500	60	600	388	not present	✓
FP 75 75	FP0750750060001	750	750	60	650	638	not present	✓

Tables list the most popular models. IRINOX can produce FP windows with a spacing of 10 mm, minimum dimensions of 200 mm x 200 mm x 60 mm, and maximum dimensions of 1000 mm x 1600 mm x 60 mm.

Accessories must always be specified during quote and order phase.

SUPPORTS

FLAP TOPS

Top in AISI 304L (Wnr 1.4307) stainless steel that provides an ample surface for laptops and PCs, equivalent to a work surface.

Code	Description	External dimensions mm W x H x D
ASPRI0600001	Flap top for W 600 mm door	425 x 400 x 20
ASPRI0800001	Flap top for W 800 mm door	625 x 400 x 20
ASPRI1000001	Flap top for W 1000 mm door	825 x 400 x 20

Specify fixing position during quote and order phase.



DIAGRAM-HOLDER POCKET

Diagram-holder pocket in AISI 304L (Wnr 1.4307) stainless steel or FeZn to store electrical diagrams and other documents inside electrical enclosures.

Code	Description	External dimensions mm W x H x D
Q4SV00023500003	Diagram-holder pocket in AISI 304 (Wnr 1.4301) stainless steel for A4 sheet, fixed with electric-welded stud bolts*	300 x 200 x 45
Q4SV00023500017	Diagram-holder pocket in AISI 304 (Wnr 1.4301) stainless steel for A3 sheet on W= 800 mm door, fixed with electrowelded stud bolts*	500 x 300 x 55
Q4SV00023500010	FeZn diagram-holder pocket, for W 600 mm door	426 x 300 x 55
Q4SV00023500005	FeZn diagram-holder pocket, for W 800 mm door	626 x 300 x 55
Q4SV00023500164	FeZn diagram-holder pocket, for W 1000 mm door	826 x 300 x 55

Specify fixing position during quote and order phase.

*If ordered separately, it will be supplied with double-sided tape for mounting.



CONTROL CONSOLE

Console with inner sloping surface, in AISI 304 (Wnr 1.4301) stainless steel, with 15° angle and hinges and gas struts. The rear opening makes it suitable for application directly on the cabinet structure.

Code	Description
Q4QM00023500032	MODEL QML 623 for W 600 mm door
Q4QM00023500033	MODEL QML 823 for W 800 mm door
Q4QM00023500022	MODEL QML 1023 for W 1000 mm door



PRE-DRILLED DOOR SUPPORT

Pre-drilled FeZn support, for door frame available for widths: 600/800/1000 mm.

Code	Description
ASUPA0600001	Pre-drilled support for W 600 door frame
ASUPA0800001	Pre-drilled support for W 800 door frame
ASUPA1000001	Pre-drilled support for W 1000 door frame

In addition to the above lists, IRINOX can create accessories with dimensions proportioned for the cabinet configured.

Accessories must always be specified during quote and order phase.



PRE-DRILLED VERTICAL SUPPORT AND PRE-DRILLED DEPTH SUPPORT

Pre-drilled vertical support in FeZn, height = 1800/2000 mm
and horizontally pre-drilled support, depth = 400/500/600 mm

Code	Description
ASPVR1800002	Pre-drilled vertical support H 1800
ASPVR2000001	Pre-drilled vertical support H 2000
ASPOR0400001	Pre-drilled horizontal support D 400
ASPOR0500001	Pre-drilled horizontal support D 500
ASPOR0600001	Pre-drilled horizontal support D 600



TRANSFORMER SUPPORT

Pre-drilled FeZn support, Ø 4.6 and 13x8 mm for bottom.

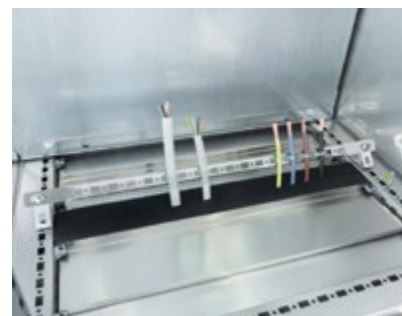
Code	Description
ASTRF0400001	Transformer support D 400
ASTRF0500001	Transformer support D 500
ASTRF0600001	Transformer support D 600



PRE-DRILLED CABLE INPUT SUPPORT

Pre-drilled support in FeZn.

Code	Description
Q4SV00023500139	Incoming-cable support L 600
Q4SV00023500138	Incoming-cable support L 800
Q4SV00023500137	Incoming-cable support L 1000
Q4SV00023500140	Incoming-cable support L 1200



In addition to the above lists, IRINOX can create accessories with dimensions proportioned for the cabinet configured.

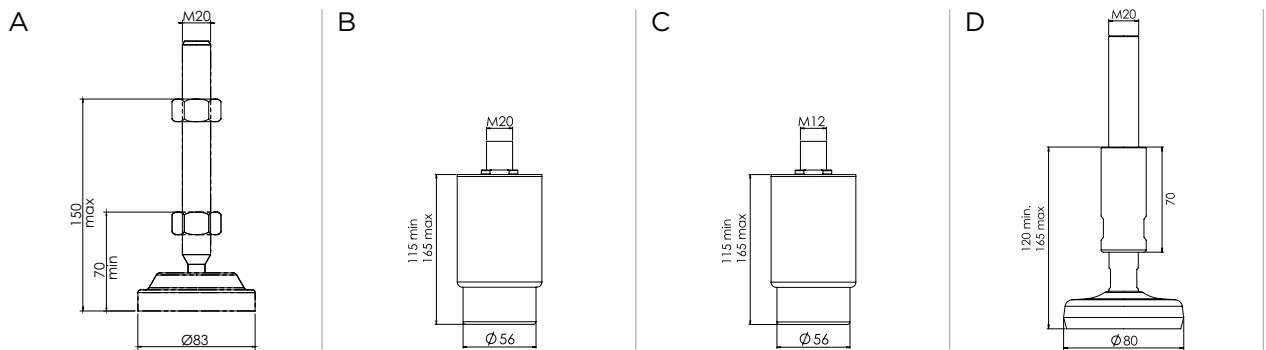
Accessories must always be specified during quote and order phase.

FEET AND WHEELS

FEET

IRINOX offers various types of height-adjustable feet. The addition of feet involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

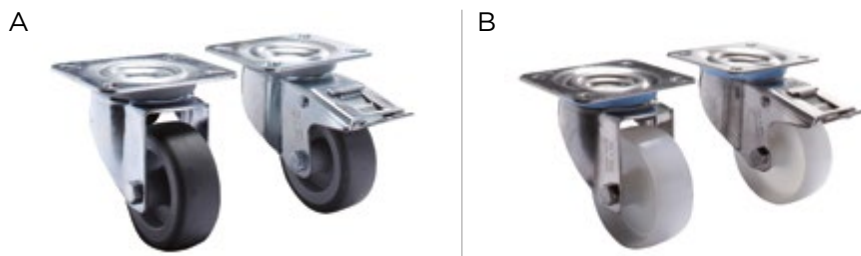
Code	Description
0133750002.01	Kit with 4 feet, M20 Ø 83. (A)
013707615	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M20 pin. Individual load 800 N (only for cabinet with plinth). (B)
013707620	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M12 pin. Individual load 800 N. (C)
013707500	Kit with 4 Hygienic M20 Ø 80 feet in AISI 304 (Wnr 1.4301) stainless steel. (D)



WHEELS

IRINOX offers various types of wheels. The addition of wheels involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

Code	Description
013707700	Kit with 4 FeZn pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N. (A)
013707710	Kit with 4 stainless-steel pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N. (B)



To mount feet and wheels, special adaptations will be required at the customer's expense if ordered separately.

Accessories must always be specified during quote and order phase.

INTERIOR SET-UPS

SWITCH BOX

FeZn structure with AISI 304L (Wnr 1.4307) stainless-steel door, ready to screw directly onto the cabinet structure. Specify whether the door is screw-on or hinged when ordering.



VERTICAL PARTITION WALL

Vertical partition wall for internal partitioning of cabinets into individual units. These are available on request in AISI 304L stainless steel or FeZn (Wnr 1.4307), and in micro-drilled version.



Code	Description	Basic model AZ	Set-up with Lexan door AZV	Set-up with modular panels AZMV	Cable conduit AZRC
Q4DV00023500032	Vertical partition wall in FeZn for AZ 180 40	•	•	•	
Q4DV00023500031	Vertical partition wall in FeZn for AZ 200 40	•	•	•	
Q4DV00023500033	Vertical partition wall in FeZn for AZ 180 50	•	•	•	
Q4DV00023500034	Vertical partition wall in FeZn for AZ 200 50	•	•	•	
Q4DV00023500035	Vertical partition wall in FeZn for AZ 180 60	•	•	•	
Q4DV00023500002	Vertical partition wall in FeZn for AZ 200 60	•	•	•	
Q4DV00023500036	Micro-drilled vertical partition wall in stainless steel for AZ 180 40	•	•	•	
Q4DV00023500037	Micro-drilled vertical partition wall in stainless steel for AZ 200 40	•	•	•	
Q4DV00023500038	Micro-drilled vertical partition wall in stainless steel for AZ 180 50	•	•	•	
Q4DV00023500039	Micro-drilled vertical partition wall in stainless steel for AZ 200 50	•	•	•	
Q4DV00023500040	Micro-drilled vertical partition wall in stainless steel for AZ 180 60	•	•	•	
Q4DV00023500041	Micro-drilled vertical partition wall in stainless steel for AZ 200 60	•	•	•	

In addition to the above list, IRINOX can create accessories with dimensions proportioned for the cabinet configured.

Accessories must always be specified during quote and order phase.

INTERIOR SET-UPS

HORIZONTAL PARTITION WALL

Horizontal partition wall in FeZn to create internal partition within cabinets. Can be created on request in AISI 304L (Wnr 1.4307) stainless steel.



Code	Description	Basic model AZ	Set-up with Lexan door AZV	Set-up with modular panels AZMV	Cable conduit AZRC
Q4DV00023500056	Horizontal partition wall in FeZn for AZ 60 40	•	•		
Q4DV00023500058	Horizontal partition wall in FeZn for AZ 60 50	•	•		
Q4DV00023500043	Horizontal partition wall in FeZn for AZ 60 60	•	•		
Q4DV00023500059	Horizontal partition wall in FeZn for AZ 80 40	•	•		
Q4DV00023500060	Horizontal partition wall in FeZn for AZ 80 50	•	•		
Q4DV00023500061	Horizontal partition wall in FeZn for AZ 80 60	•	•		
Q4DV00023500062	Horizontal partition wall in FeZn for AZ 100 40	•	•		
Q4DV00023500063	Horizontal partition wall in FeZn for AZ 100 50	•	•		
Q4DV00023500064	Horizontal partition wall in FeZn for AZ 100 60	•	•		
Q4DV00023500065	Horizontal partition wall in FeZn for AZ 120 40	•	•		
Q4DV00023500066	Horizontal partition wall in FeZn for AZ 120 50	•	•		
Q4DV00023500067	Horizontal partition wall in FeZn for AZ 120 60	•	•		

In addition to the above list, IRINOX can create accessories with dimensions proportioned for the cabinet configured.

OTHER ACCESSORIES

DOOR INTERLOCK DEVICE

Security system to control door opening/closing, which can be applied to grouped cabinets. It serves to lock the doors to one another.

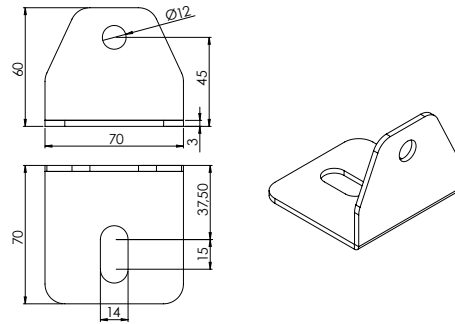
Compatible with AZ and AZV modular cabinets.




Accessories must always be specified during quote and order phase.











WALL BRACKETS

3 mm thickness stainless-steel brackets for cabinet wall mounting, to screw onto M12 bushes on top.








CLOSURE SYSTEMS

Standard closures consist of a concealed handle with 3 mm double-bit key and rod system.  For handles with other types of locks and corresponding keys, consult the following:

Code	Description	
013706600	3 mm Concealed handle with budget lock	
013706610	8 mm Concealed handle with budget lock	
013706620	8 mm Concealed handle with budget lock	
013706630	Concealed handle with EK333 insert (O)	
013706640	Concealed handle with E3133 insert (O)	
013706650	Concealed handle with E313V2 A3132 insert (O)	
013706660	Concealed handle with R405E insert (O)	
013706670	Concealed handle with R455E insert (O)	
013706690	Concealed handle with G9233 insert (O)	
013706720	Closure mechanism (specify cabinet type)	
013706730	Rod pack (specify dimensions and type of cabinet)	
013706705	Concealed handle in AISI 316 (Wnr 1.4404) stainless steel*	

*Specify the type of key desired when ordering

Code	Description	
013706911	8 mm Key with budget lock (R)	
013706931	EK333 key (S)	
013706921	8 mm Key with budget lock (Q)	
013706901	5 mm Key with budget lock (P)	



For more accessories, please consult the section "OTHER ACCESSORIES".
Accessories must always be specified during quote and order phase.

MODULAR CABINETS ACCESSORIES

SCREWS

We offer a range of screws for all requirements associated with IRINOX products. The most common are listed in the tables below.

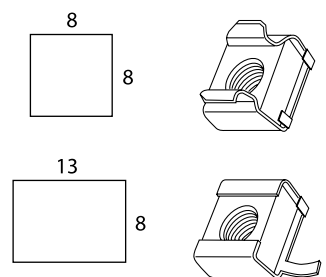
Code	Description
013707220	Pack of 25 stainless-steel screws, M6 x 12 TCEI (X)
013707230	Pack of 25 stainless-steel screws, M8 x 16 TCEI (X)
013707240	Pack of 25 stainless-steel screws, M5 x 16 TSEI (W)
013707250	Pack of 25 stainless-steel screws, M6 x 12 TSEI (W)
013707260	Pack of 25 stainless-steel screws, M6 x 16 TSEI (W)
013707290	Pack of 25 stainless-steel poelier screws, M4 x 16 (U)
013707300	Pack of 25 stainless-steel poelier screws, M5 x 16 (U)
013707320	Pack of 25 stainless-steel poelier screws, M6 x 20 (U)
013707330	Pack of 25 stainless-steel poelier screws, M6 x 25 (U)
013707340	Pack of 25 stainless-steel TBEl screws, M6 x 16 13.5 (V)
013707390	Pack of 25 stainless-steel TE screws, M6 x 16 (Z)
013707395	Pack of 25 stainless-steel TE screws, M6 x 20 (Z)
013707400	Pack of 25 stainless-steel TE screws, M8 x 16 (Z)
013707405	Pack of 25 zinc TE screws, M6 x 16 (Z)



CAGE NUTS

These are recommended for fixing the various elements to the structure and support brackets. Other types are available on request.

Order code	Description	Ref. photo	Pack Pcs	kg	m ³
013707015	Pack of stainless-steel M5 nuts	D	50	0.5	0.001
013707020	Pack of stainless-steel M6 nuts	D	50	0.5	0.001
013707025	Pack of stainless-steel M8 nuts	D	50	0.5	0.001
013707030	Pack of stainless-steel M5 self-locking nuts	C	50	0.5	0.001
013707035	Pack of stainless-steel M6 self-locking nuts	C	50	0.5	0.001
013707040	Pack of stainless-steel M8 self-locking nuts	C	50	0.5	0.001
013707050	Pack of stainless-steel M5 cage nuts for 8x8 mm	B	50	0.5	0.001
013707060	Pack of M6 cage nuts for 12x12 mm	B	50	0.5	0.001
013707070	Pack of M8 cage nuts for 12x12 mm	B	50	0.5	0.001
013707150	Pack of M5 winged cage nuts for 13x8 mm	A	50	0.5	0.001
013707160	Pack of M6 winged cage nuts for 13x8 mm	A	50	0.5	0.001



For more accessories, please consult the section "OTHER ACCESSORIES". Accessories must always be specified during quote and order phase.



PUSH BUTTON
AND TERMINAL
BOXES

ENCLOSURES

MODULAR CABINETS

COMPACT CABINETS

HANGING SYSTEMS,
CONTROL CONSOLES AND
PULPITS

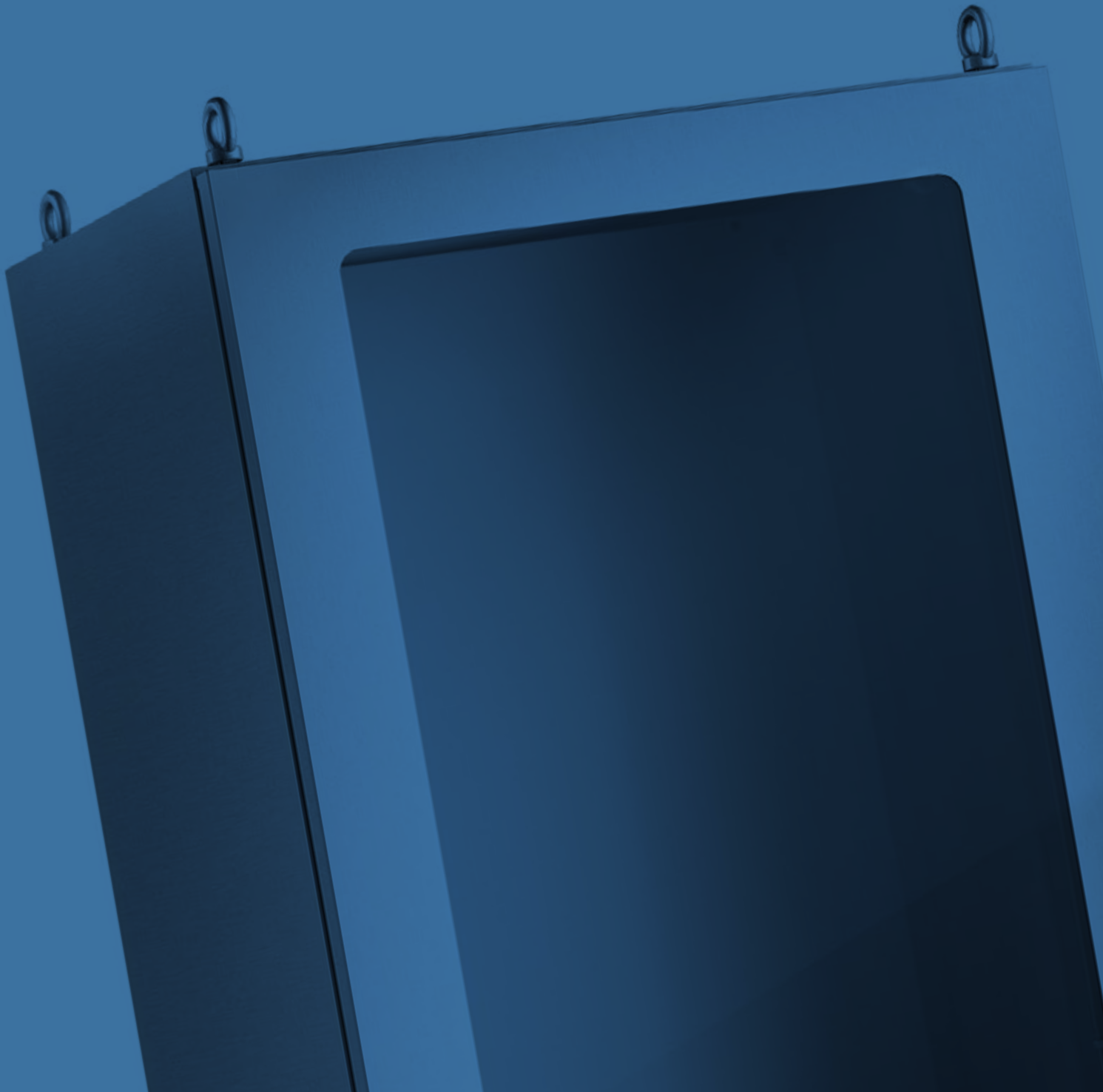
HYGIENIC LINE

AIR-CONDITIONING
SYSTEMS, VENTILATION
AND OTHER ACCESSORIES

EXPRESS WAREHOUSE

COMPACT CABINETS

Range of compact cabinets with a stainless-steel, single-column structure that is not expandable. The ideal solution for installing floor-standing systems.



- 92 COMPACT CABINET
MODEL AS
- 94 COMPACT CABINET
WITH LEXAN DOOR
MODEL ASV
- 96 COMPACT WALL CABINET
WITH BLIND DOOR
MODEL ASW
- 98 ACCESSORIES

TECHNICAL BENEFITS

Single-unit cabinet with hinged front door and pre-drilled zinc-coated reinforcement frame.

Folding of cover frame at 90° to guarantee greater adherence and therefore a better seal.

Front insertion of internal plate on rollers.

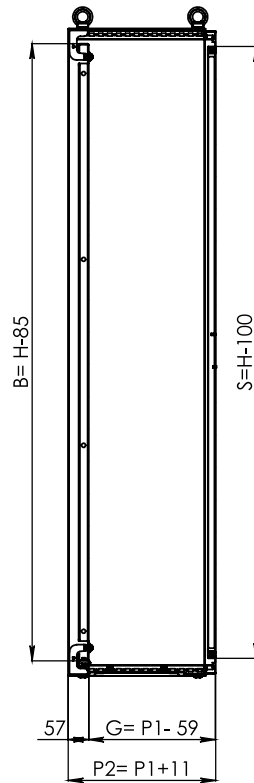
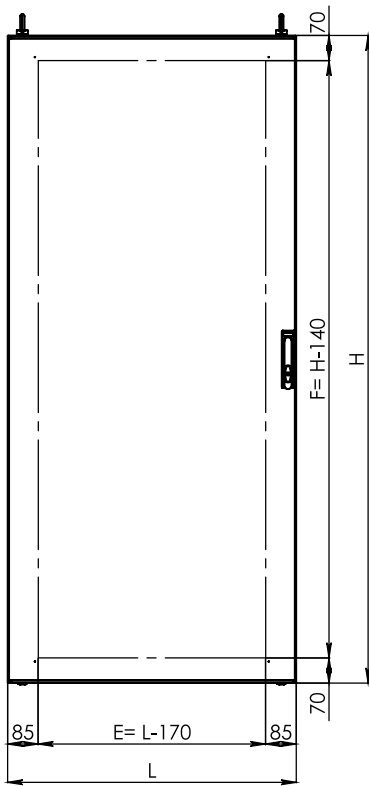
Internal-plate “tipping stop” for easy assembly.

Lifting eye bolts.

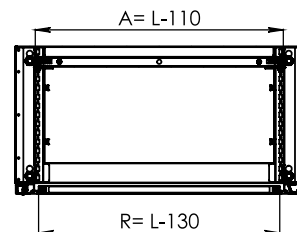
COMPACT CABINETS

COMPACT CABINET AS

The IRINOX range of compact cabinets in AISI 304L (Wnr 1.4307) stainless steel is composed of a single, non-expandable column structure with blind door, suitable for installing floor-mounted systems. Each application can be completed with special set-ups. All items can be manufactured and drilled to design on the basis of dimensions indicated by the customer, and completed with custom accessories and finishes.



L = W (width)
H = H (height)
P = D (depth)



CERTIFICATIONS

As standard

IP66

On request

Single door: ATEX 3GD, IP69K
Entire range: UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 1200 mm D= 200 mm
Maximum dimensions	W= 1400 mm H= 2000 mm D= 600 mm
Dimensional pitch	W and H spacing 50 mm, D spacing 10 mm
Door drilling reference	E= W- 170 mm F= H- 140 mm
Internal plate	Front sliding insertion, A= W- 110 mm B= H- 85 mm
Usable depth	G= nominal D- 59 (individual door) G= nominal D- 127 (two doors without centre support)
Centre-to-centre distance for cabinet fastening	Position of M12 bushes: W- 80 mm D- 80 mm M10 floor mounting with feet, plinth: W- 127 mm D- 127 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Cover thickness	1.5 mm
Door thicknesses	1.5 mm
Door	Blind, rotation inside shoulder, reversible
Door fastening	Hinged with frame for $W \geq 550$ mm
Door opening	115°
Door frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing R= nominal D- 130 S= H- 100
Closing system	Concealed rotating handle
Cabinet bottom	Flat cable gland plate including polyurethane seal
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Maximum dimensions*	Single door: W= 1200 mm H= 2200 mm D= 600 mm Double door: W= 2000 mm H= 2200 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, coating, micro shot- peening, passivation
Thicknesses	2 mm
Door	Hinges on right
Internal plate	Material A304L or A316L, thickness 1.5 mm
Seal	Silicone coated up to H 1900 mm
Configuration for assembly of mobile arm	Internal reinforcement at joint applicable on top and sides
Components on request	A316 eye bolts, A316 screws

*To evaluate with technical office when ordering.

Product accessories

- / Rain canopy
- / 30° Dust canopy
- / Upper cable compartment
- / Plinth
- / Base
- / Feet
- / Wheels
- / Protection windows
- / Control console
- / Inner door
- / Fixed or swivelling 19" rack support
- / Diagram-holder pockets
- / Flap tops
- / Wall brackets
- / Pre-drilled door support
- / Pre-drilled cable input support
- / Transformer support
- / LED and micro support
- / Voltage detector device support

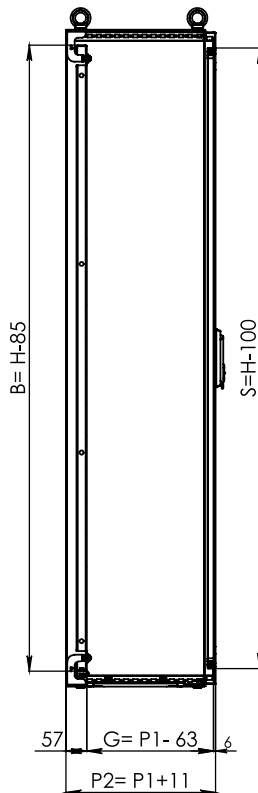
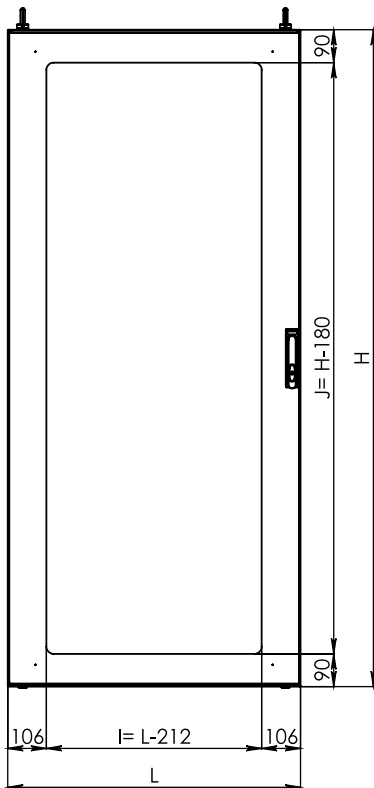
For more accessories, please consult the section "OTHER ACCESSORIES".



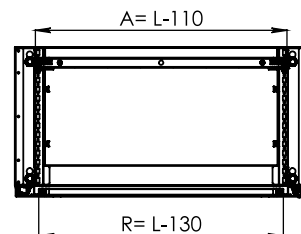
COMPACT CABINETS

COMPACT CABINET WITH LEXAN DOOR ASV

The IRINOX range of compact cabinets in AISI 304L (Wnr 1.4307) stainless steel also features a single, non-expandable column structure with transparent Lexan door, suitable for installing floor-mounted systems. Each application can be completed with special set-ups. All items can be manufactured and drilled to design on the basis of dimensions indicated by the customer, and completed with custom accessories and finishes.



L = W (width)
H = H (height)
P = D (depth)



CERTIFICATIONS

As standard

IP66

on request

Single door: ATEX 3GD, IP69K
Entire range: UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 1200 mm D= 200 mm
Maximum dimensions	W= 1400 mm H= 2000 mm D= 600 mm
Dimensional pitch	W and H spacing 50 mm, D spacing 10 mm
LEXAN opening	I= W- 210 mm J= H- 180 mm
Internal plate	Front sliding insertion, A= W- 110 mm B= H- 85 mm
Usable depth	G= nominal D- 63 (individual door) G= nominal D- 127 (two doors without centre support)
Centre-to-centre distance for cabinet fastening	Position of M12 bushes: W- 80 mm D- 80 mm M10 floor mounting with feet, plinth: W- 127 mm D- 127 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Cover thickness	1.5 mm
Door spacers	1.5 mm
Door	Lexan, rotation inside shoulder, reversible
Door fastening	Hinged with frame for $W \geq 550$ mm
Door opening	115°
Door frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing R= nominal D- 130 S= H- 100
Closing system	Concealed rotating handle
Cabinet bottom	Flat cable gland plate including polyurethane seal
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Maximum dimensions*	Single door: W= 1200 mm H= 2200 mm D= 600 mm Double door: W= 2000 mm H= 2200 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, coating, micro shot- peening, passivation
Thicknesses	2 mm
Door	Hinges on right, 3+3 glass
Internal plate	Material A304L or A316L, thickness 1.5 mm
Seal	Silicone coated up to H 1900 mm
Configuration for assembly of mobile arm	Internal reinforcement at joint applicable on top and sides
Components on request	A316 eye bolts, A316 screws

*To evaluate with technical office when ordering.

Product accessories

- / Rain canopy
- / 30° Dust canopy
- / Upper cable compartment
- / Plinth
- / Base
- / Feet
- / Wheels
- / Protection windows
- / Control console
- / Inner door
- / Fixed or swivelling 19" rack support
- / Diagram-holder pockets
- / Flap tops
- / Wall brackets
- / Pre-drilled door support
- / Pre-drilled cable input support
- / Transformer support
- / LED and micro support
- / Voltage detector device support

For more accessories, please consult the section "OTHER ACCESSORIES".



COMPACT CABINETS

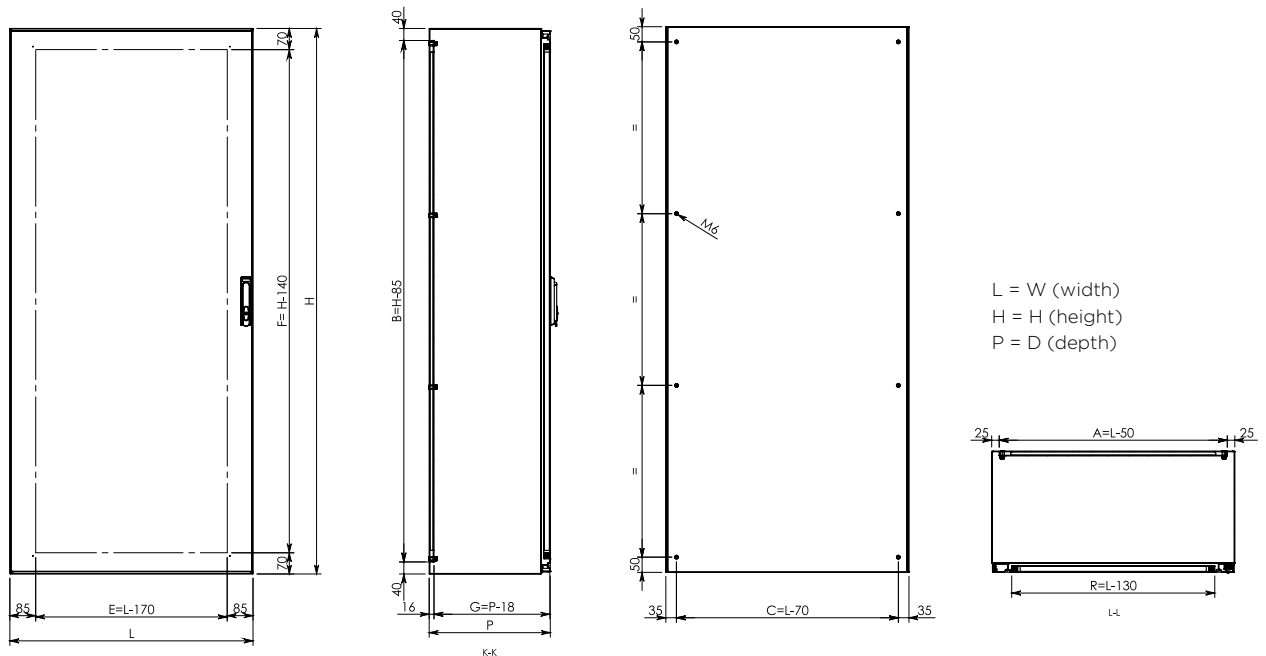
COMPACT WALL CABINET WITH BLIND DOOR **ASW**

Compact cabinet in AISI 304L (Wnr 1.4307) stainless steel with hinged blind door.

Door opening angle up to 115° with left hinges.

FeZn 25/10 thickness internal plate. IP66 protection rating.

Models with a width greater than 1000 mm are created with two doors without central support, IP66.



CERTIFICATIONS

As standard

IP66

on request

Single door: ATEX 3GD, IP69K
Entire range: UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 1200 mm D= 200 mm
Maximum dimensions	W= 1400 mm H= 2000 mm D= 600 mm
Dimensional pitch	W and H spacing 50 mm, D spacing 10 mm
Door drilling reference	E= W- 170 mm F= H- 140 mm
Internal plate	Front insertion A= W- 50 mm B= H- 80 mm
Usable depth	G= D- 20 (single door) G=D- 88 (two doors without central support)
Centre-to-centre distance for cabinet fastening	W- 70 mm H- 100 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Cover thickness	1.5 mm
Door spacers	1.5 mm
Door	Blind, rotation inside shoulder, reversible
Door fastening	Hinged with frame for $W \geq 550$ mm
Door opening	115°
Door frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing R= nominal D- 130 S= H- 100
Closing system	Concealed rotating handle
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

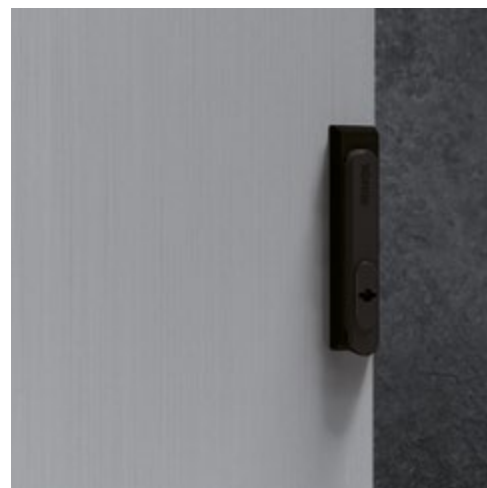
Maximum dimensions*	Single door: W= 1200 mm H= 2200 mm D= 600 mm Double door: W= 2000 mm H= 2200 mm D= 600 mm
Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm
Door	Hinges on right, Lexan, 3+3 glass
Internal plate	Mounting on stud bolts, blind back A304L or A316L, thickness 1.5 mm
Rear fastenings	Stud bolts, M8 or M10 bushes, without fixings on request
Seal	Silicone coated up to H 1900 mm

*To evaluate with technical office when ordering.

Product accessories

- / Wall brackets
- / Protection windows
- / Diagram-holder pocket
- / Flap tops
- / Pre-drilled door support
- / LED and micro support
- / Voltage detector device support

For more accessories, please consult the section "OTHER ACCESSORIES".



ACCESSORIES

A wide range of accessories are available for every single standard or customised model, meeting all specific requirements. Certain accessories require special adaptation of the cabinet, and their application may alter the IP protection rating or affect certifications. Check when ordering.

CABLE GLAND PLATES

Cable input gland plate in AISI 304L (Wnr 1.4307) stainless steel suitable for applications with cable glands. Standard set-ups with single foam cable gland plate; can be swapped with guillotine cable gland plate on request.



SINGLE FOAM CABLE GLAND PLATE

(included in standard set up)



GUILLOTINE CABLE GLAND PLATE

EXTERIOR SET-UPS

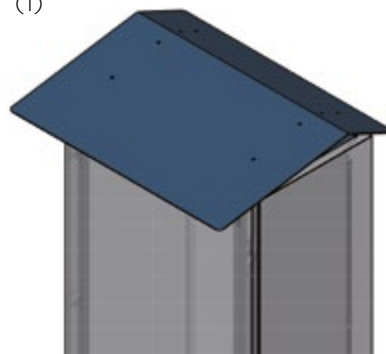
CANOPIES

Canopy in AISI 304L (Wnr 1.4307) stainless steel to complete applications of cabinets exposed to the weather.

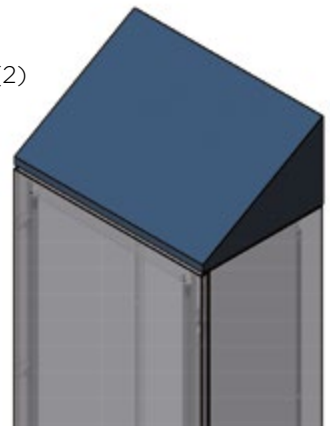
1. RAIN CANOPY: overhanging on all sides.
2. DUST CANOPY: dust-protection version with 30° angle (various angles available, to be checked during quote/order phase).

Both models are fixed to the cabinet with M12 bushes.

(1)



(2)



PLINTH

Base in AISI 304L (Wnr 1.4307) stainless steel for floor mounting of cabinet;
Access for inspection on all four sides and open at the bottom.
Each plinth is composed of two panels (front/rear) and two blind side panels.

The height of the standard plinth is 100 mm.

Position of $\varnothing 12$ holes to anchor plinth:

W (external dimensions of structure) - 158 mm

D (external dimensions of structure) - 158 mm



PLINTH BOTTOM

Closed with sheet in AISI 304L (Wnr 1.4307) stainless steel, screwed on.

*Plinth bottom features guillotine cable gland plate as standard.



CABLE COMPARTMENT FOR COMPACT CABINETS

Protection for cables and power-distribution strips, to be installed in the
upper part of cabinets, created in AISI 304L (Wnr 1.4307) stainless steel.
H= 200mm. The cable compartment is installed on M12 bushes,
not suitable for ASW compact cabinet.



Accessories must always be specified during quote and order phase.

WINDOWS

FPH PROTECTION WINDOWS WITH FRAME

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door:

transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays.

Concealed hinges

in stainless steel that enable 130° opening angle.

Closure: 5 mm stainless-steel double-bit lock.

Easy cleaning and hygiene guaranteed by the design of frame and door profiles.

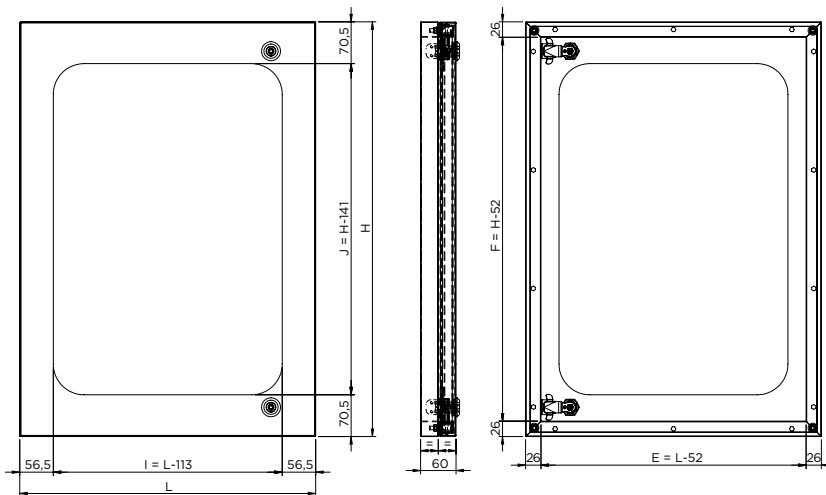
Double rear seal for maximum performance.

AISI 304L (Wnr 1.4307) stainless steel contact points for auto-centring of the door and to avoid crushing of the seal.

cURus certification on request: with transparent polycarbonate sheet, 4 mm thickness, with UL approval.

On request: customised dimensions, 3+3 security glazing, manufacture in AISI 316L (Wnr 1.4404) stainless steel, pistons for vertical opening.

IP66 and IK10 protection rating.



L = W (width)
H = H (height)
P = D (depth)

Model	Code	Compact cabinet AS	Compact cabinet with LEXAN DOOR ASV	Compact wall cabinet with blind door ASW
FPH 50 50	FH0500500060001	•		•
FPH 50 70	FH0500700060002	•		•
FPH 70 50	FH0700500060001	•		•
FPH 75 75	FH0750750060001	•		•

Model	Code	External dimensions in mm			LEXAN opening		Overall opening		Certifications cURus
		W	H	D	I	J	E	F	
FPH 50 50	FH0500500060001	500	500	60	387	359	448	448	on request
FPH 50 70	FH0500700060002	500	700	60	387	559	448	648	on request
FPH 70 50	FH0700500060001	700	500	60	587	359	648	448	on request
FPH 75 75	FH0750750060001	750	750	60	637	609	698	698	on request

Tables list the most popular models. IRINOX can produce FPH windows with a spacing of 10 mm, minimum dimensions of 200 mm x 200 mm x 60 mm, and maximum dimensions of 1000 mm x 1600 mm x 60 mm.

Accessories must always be specified during quote and order phase.

FP PROTECTION WINDOWS FIXED DIRECTLY TO THE WALL

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door
(transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays).

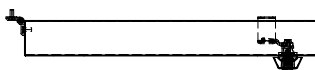
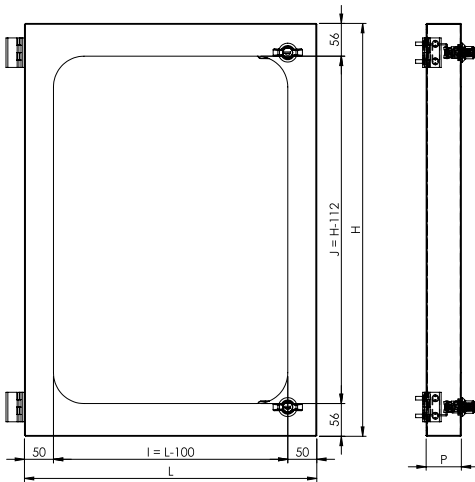
Hinged door
with 180° opening.

Fastner quick closures
with EK333 key.

On request: customised dimensions, 3+3 security glazing AISI 316L (Wnr 1.4404) stainless steel.

Also on request: stainless-steel locks and pistons for vertical opening.

IP65 and IK10 protection rating.



L = W (width)
H = H (height)
P = D (depth)

Model	Code	Compact cabinet AS	Compact cabinet with LEXAN DOOR ASV	Compact wall cabinet with blind door ASW
FP 50 50	FP0500500060001	•		•
FP 50 70	FP0500700060001	•		•
FP 70 50	FP0700500060001	•		•
FP 75 75	FP0750750060001	•		•

Model	Code	External dimensions in mm			LEXAN opening		Certifications	IP65 IK10
		W	H	D	I	J		
FP 50 50	FP0500500060001	500	500	60	400	388	not present	✓
FP 50 70	FP0500700060001	500	700	60	400	588	not present	✓
FP 70 50	FP0700500060001	700	500	60	600	388	not present	✓
FP 75 75	FP0750750060001	750	750	60	650	638	not present	✓

Tables list the most popular models. IRINOX can produce FP windows with a spacing of 10 mm, minimum dimensions of 200 mm x 200 mm x 60 mm, and maximum dimensions of 1000 mm x 1600 mm x 60 mm.

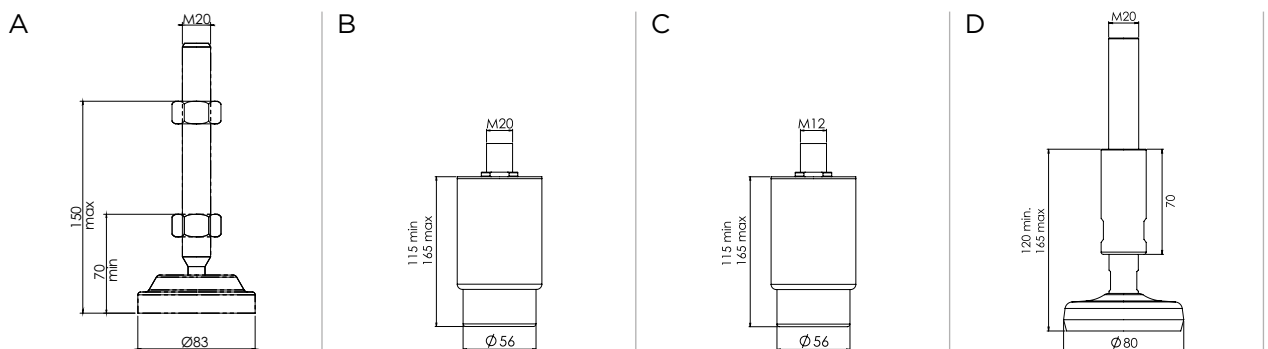
Accessories must always be specified during quote and order phase.

FEET AND WHEELS

FEET

IRINOX offers various types of height-adjustable feet. The addition of feet involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

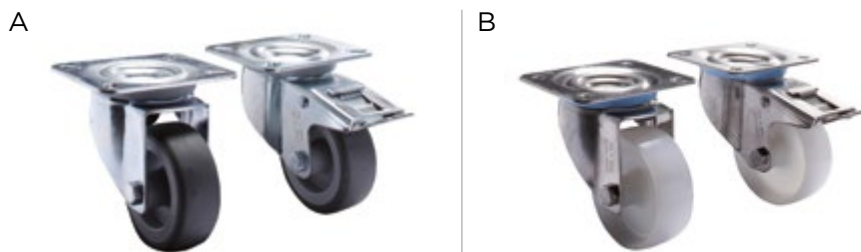
Code	Description	Compact cabinet AS	Compact cabinet with LEXAN DOOR ASV	Compact wall cabinet with blind door ASW
0133750002.01	Kit with 4 feet, M20 Ø 80 (A)	•	•	
013707615	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M20 pin. Individual load 800 N (only for cabinet with plinth). (B)	•	•	
013707620	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M12 pin. Individual load 800 N (C)	•	•	
013707500	Kit with 4 Hygienic M20 Ø 80 feet in AISI 304 (Wnr 1.4301) stainless steel. (D)	•	•	



WHEELS

IRINOX offers various types of wheels. The addition of wheels involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

Code	Description
013707700	Kit with 4 FeZn pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N (A)
013707710	Kit with 4 stainless-steel pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N (B)



Accessories must always be specified during quote and order phase.

SUPPORTS

FLAP TOPS

Top in AISI 304L (Wnr 1.4307) stainless steel that provides an ample surface for laptops and PCs, equivalent to a work surface.

Code	Description	External dimensions mm W x H x D
ASPRI0600001	Flap top for W 600 mm door	425 x 400 x 20
ASPRI0800001	Flap top for W 800 mm door	625 x 400 x 20
ASPRI1000001	Flap top for W 1000 mm door	825 x 400 x 20

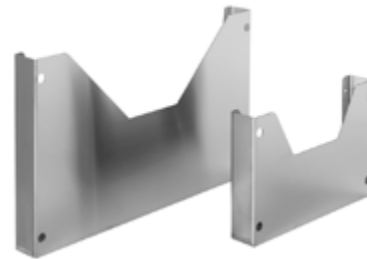


Specify fixing position during quote and order phase.

DIAGRAM-HOLDER POCKET

Diagram-holder pocket in AISI 304L (Wnr 1.4307) stainless steel or FeZn to store electrical diagrams and other documents inside electrical enclosures.

Code	Description	External dimensions mm W x H x D
Q4SV00023500003	Diagram-holder pocket in AISI 304 (Wnr 1.4301) stainless steel for A4 sheet, fixed with electric-welded stud bolts*	300 x 200 x 45
Q4SV00023500017	Diagram-holder pocket in AISI 304 (Wnr 1.4301) stainless steel for A3 sheet on W= 800 mm door, fixed with electrowelded stud bolts*	500 x 300 x 55
Q4SV00023500010	FeZn diagram-holder pocket, for W 600 mm door, fixed to door-reinforcement frame	426 x 300 x 55
Q4SV00023500005	FeZn diagram-holder pocket, for W 800 mm door, fixed to door-reinforcement frame	626 x 300 x 55
Q4SV00023500164	FeZn diagram-holder pocket, for W 1000 mm door, fixed to door-reinforcement frame	826 x 300 x 55



Specify fixing position during quote and order phase.

*If ordered separately, it will be supplied with double-sided tape for mounting.

PRE-DRILLED DOOR SUPPORT

Pre-drilled support in AISI 304L (Wnr 1.4307) stainless steel for door frame available in widths 600/800/1000 mm.

Code	Description
ASUPA0600001	Pre-drilled support for W 600 door frame
ASUPA0800001	Pre-drilled support for W 800 door frame
ASUPA1000001	Pre-drilled support for W 1000 door frame



In addition to the above lists, IRINOX can create accessories with dimensions proportioned for the cabinet configured.

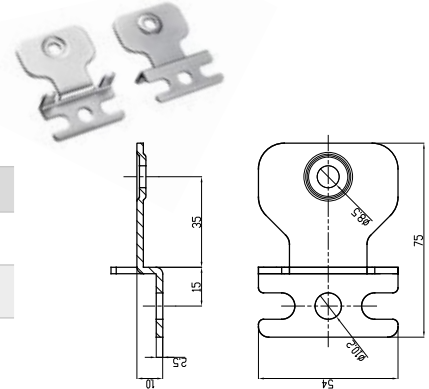
Accessories must always be specified during quote and order phase.

WALL BRACKETS

WALL BRACKETS FOR ASW COMPACT CABINETS

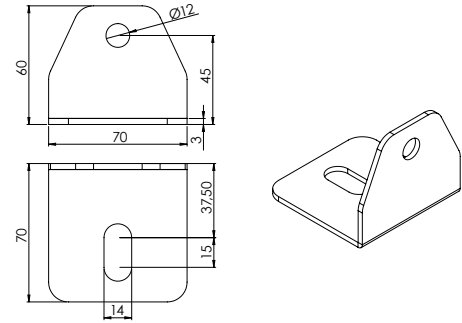
Stainless-steel brackets (H=10 mm) for wall mounting enclosure, to screw onto the bushes at the rear of the enclosures. Supplied with fixing screws.

Code	Description
Q4SV00023500001	Kit with 4 brackets in AISI 304 (Wnr 1.4301) stainless steel
Q4SV00023500004	Kit with 4 brackets in AISI 316 (Wnr 1.4404) stainless steel



WALL BRACKETS FOR AS AND ASV COMPACT CABINETS

3 mm thickness stainless-steel brackets for cabinet wall mounting, to screw onto M12 bushes on top.



CONSOLES

CONTROL CONSOLE


Console with inner sloping surface, in AISI 304 (Wnr 1.4301) stainless steel, with 15° angle and hinges and gas struts. The rear opening makes it suitable for application directly on the cabinet structure.










Code	Description
Q4QM00023500032	MODEL QML 623 for W 600 mm door
Q4QM00023500033	MODEL QML 823 for W 800 mm door
Q4QM00023500022	MODEL QML 1023 for W 1000 mm door







In addition to the above lists, IRINOX can create accessories with dimensions proportioned for the cabinet configured.

CLOSURE SYSTEMS

Standard closures consist of a concealed handle with 3 mm double-bit key and rod system. 
For handles with other types of locks and corresponding keys, consult the following:

Code	Description	
013706600	3 mm Concealed handle with budget lock	
013706610	8 mm Concealed handle with budget lock	
013706620	8 mm Concealed handle with budget lock	
013706630	Concealed handle with EK333 insert (O)	
013706640	Concealed handle with E3133 insert (O)	
013706650	Concealed handle with E313V2 A3132 insert (O)	
013706660	Concealed handle with R405E insert (O)	
013706670	Concealed handle with R455E insert (O)	
013706690	Concealed handle with G9233 insert (O)	
013706720	Closure mechanism (specify cabinet type)	
013706730	Rod pack (specify dimensions and type of cabinet)	
013706705	Concealed handle in AISI 316 (Wnr 1.4404) stainless steel*	

*Specify the type of key desired when ordering

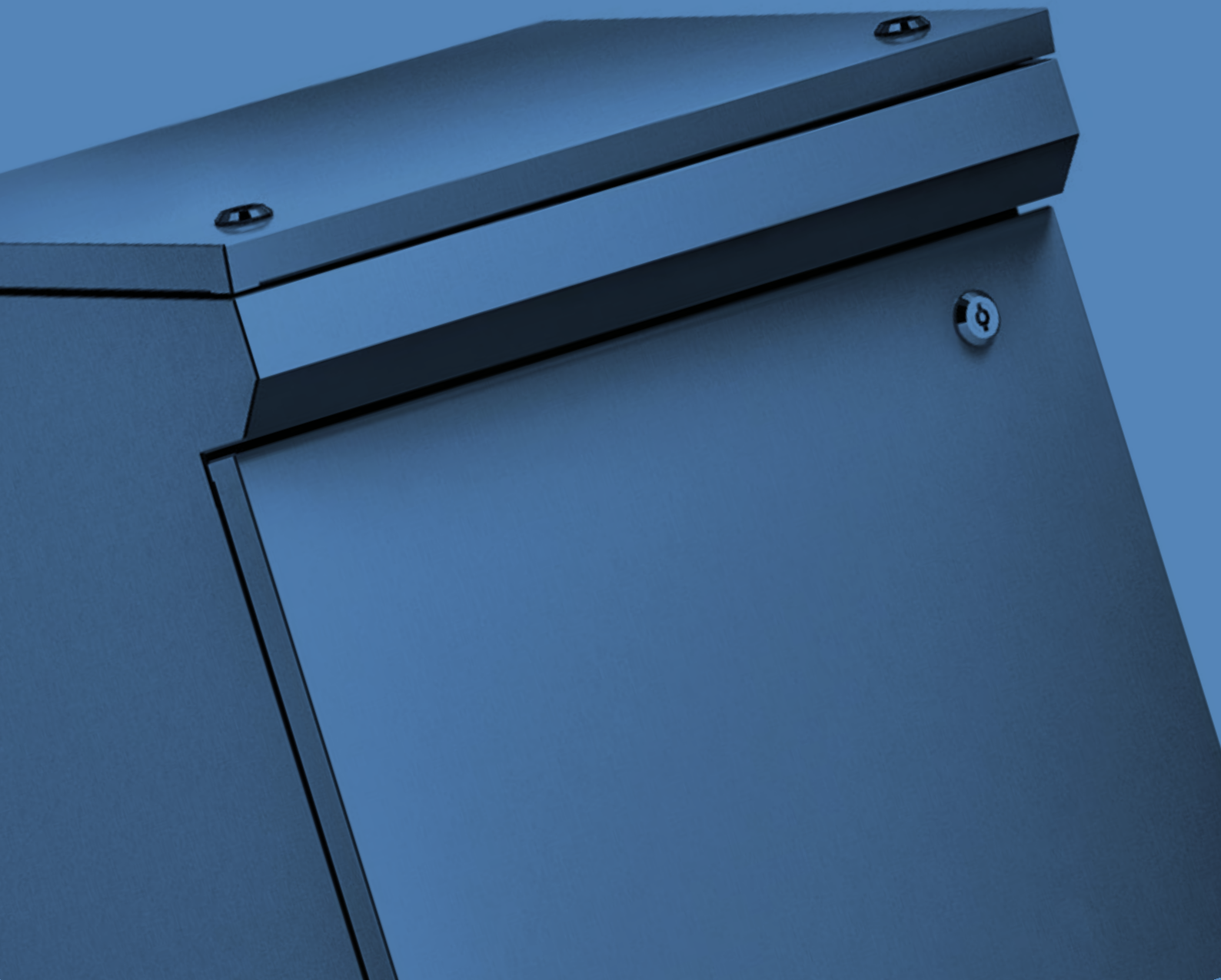
Code	Description	
013706911	8 mm Key with budget lock (R)	
013706931	EK333 key (S)	
013706921	8 mm Key with budget lock (Q)	
013706901	5 mm Key with budget lock (P)	



For more accessories, please consult the section "OTHER ACCESSORIES".
Accessories must always be specified during quote and order phase.

HANGING SYSTEMS, CONTROL CONSOLES AND PULPITS

Range created as the ideal solution for floor-standing workstations. They are designed to hold industrial PCs and operator panels for all control, monitoring and industrial-automation systems.



- 108 HANGING CONTROL UNIT
MODEL EKO PENSILE
- 110 HYGIENIC HANGING CONTROL UNIT
MODEL EKOPH
- 112 CONTROL CONSOLE WITH SLOPING TOP
MODEL QMA
- 114 CONTROL CONSOLE WITH SLOPING SYNOPTIC PANEL
MODEL QMB
- 116 CONTROL CONSOLE WITH SLOPING TOP AND SYNOPTIC PANEL
MODEL QMD
- 118 CONTROL CONSOLE WITH SLOPING TOP AND SYNOPTIC PANEL
MODEL DPEW
- 120 PULPIT FOR INTERACTIVE TERMINALS
MODEL VOLTA
- 121 PULPIT FOR INTERACTIVE TERMINALS
MODEL COPERNICO
- 122 ACCESSORIES

TECHNICAL BENEFITS

Pulpits for interactive terminals.

Floor-standing workstations.

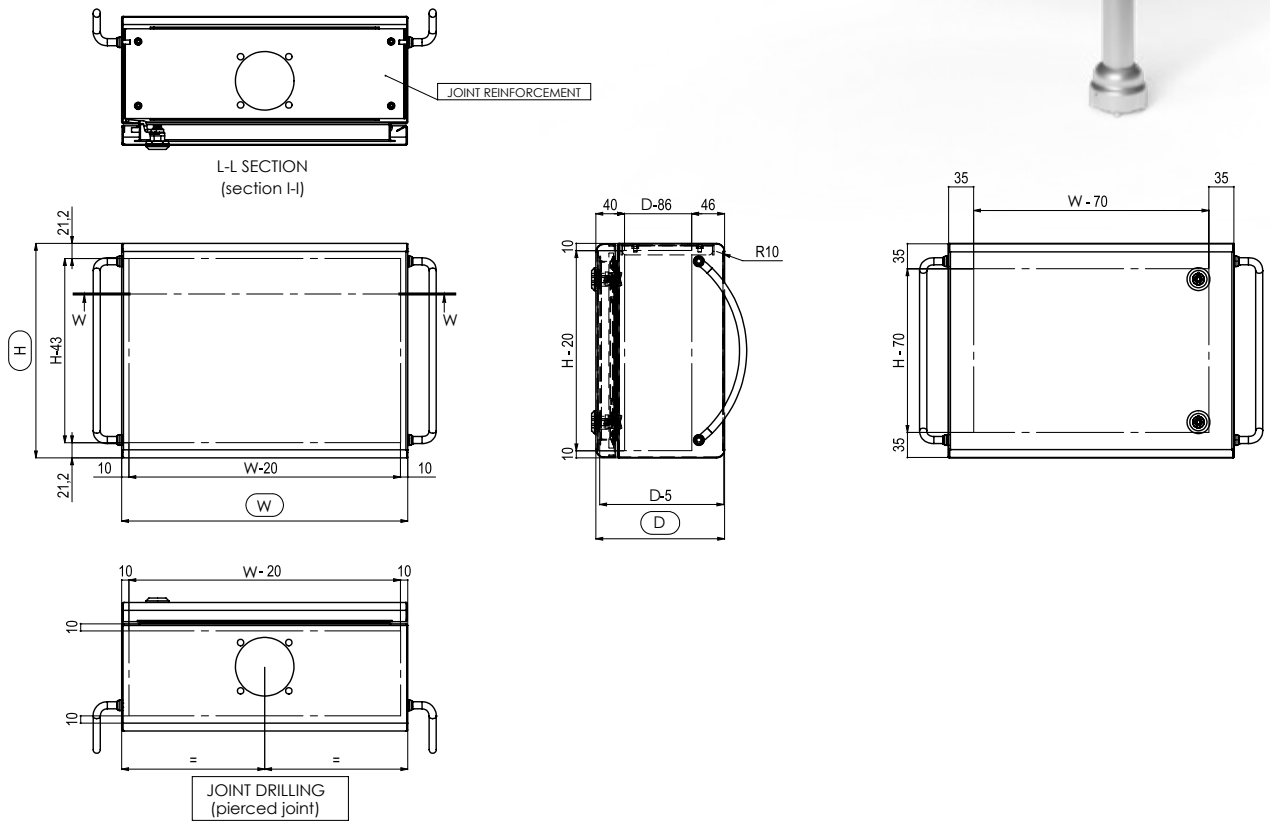
Finishes and drilling to design.

Cut-proof folding to guarantee maximum security and durability.

Customisation to meet all specific requirements.

HANGING CONTROL UNIT EKO PENSILE

Hanging control unit in AISI 304L (Wnr 1.4307) stainless steel with rounded profiles, ready for mounting of support arm. Rear door with opening up to 130° with left hinges and stainless-steel lock. Two manoeuvring handles. No internal plate. IP66 protection rating.



CERTIFICATIONS

As standard	IP66
On request	ATEX 2GD - ATEX 3GD - UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H= 200 mm D= 90 mm
Maximum dimensions	W= 1000 mm H= 1000 mm D= 400 mm
Dimensional pitch	10 mm
Door drilling reference	W- 70 mm H- 70 mm
Front drilling reference	W- 20 mm H- 43 mm
Side drilling reference	W- 86 mm (40+46) H- 20 mm
Internal plate	Not present
Usable depth	D- 5 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Rounded blind, left hinged
Front profiles	Upper and lower rounded
Door opening	130°
Sides	With manoeuvring handles as standard
Top	Set up for joint fastening with upper D 140 mm
Cover thickness	1.2 mm and 1.5 mm depending on the size
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Internal plate	Not present
Seal	Silicone

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt
Door	Side closure, screwed-on
Internal plate	2.5 mm FeZn on door or on front
Handles	Not present or on bottom
Seal	Polyurethane
Components on request	DIN rail support

Product accessories

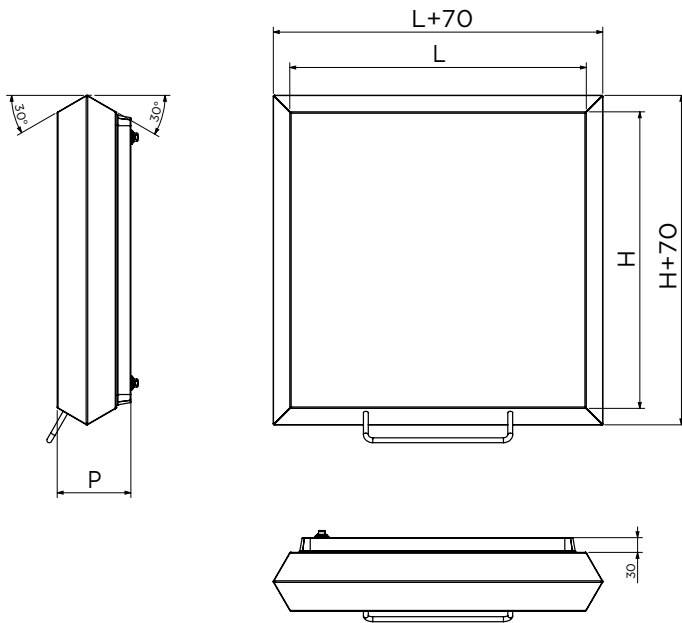
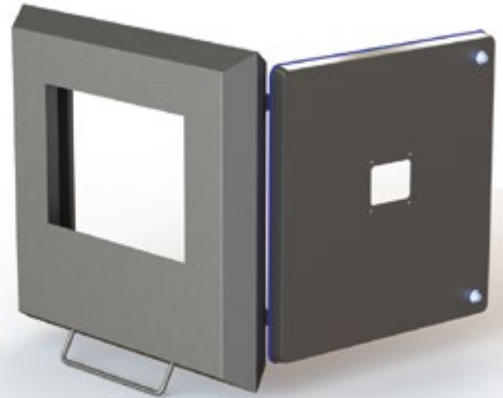
/ Arms with specific joints sized in relation to the depth and weight of the hanging unit

For more accessories, please consult the section "OTHER ACCESSORIES".



HYGIENIC HANGING CONTROL UNIT **EKOPH**

Hanging control unit in AISI 304L (Wnr 1.4307) stainless steel with rounded profiles, ready to mount arm support. Rear door with 110° opening on left hinges and hygienic stainless-steel locks with outer seal. Manoeuvring handle may be applied on lower side. No internal plate. IP66 and IP69K protection rating.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard

IP66, IP69K, UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 250 mm H= 300 mm D= 100 mm
Maximum dimensions	W= 600 mm H= 600 mm D= 200 mm
Dimensional pitch	10 mm
Front drilling reference	W- 130 mm H- 80 mm
Internal plate	Not present
Usable depth	D- 5 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Rounded, left hinges, ready to mount hygienic arm support (model SBVH)
Door opening	110°
Sides	Inclined 30°
Top	Inclined, anti-dust
Cover thickness	1.5 mm
Closing system	Lock in AISI 316 stainless steel
Internal plate	Not present
Seal	FDA-approved silicone

CUSTOMISATION OPTIONS

Material	AISI 316L
Door	Right hinges
Sides	Manoeuvring handle may be applied on lower side

Product accessories

/ Arms with specific joints sized in relation to the depth and weight of the hanging unit

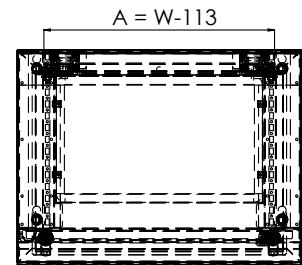
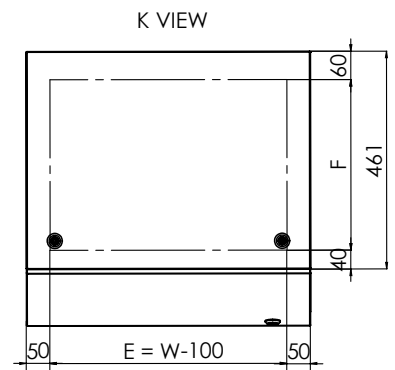
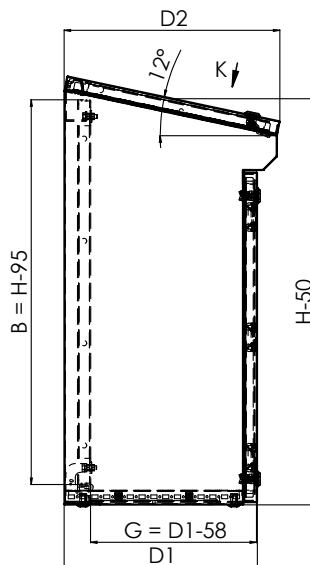
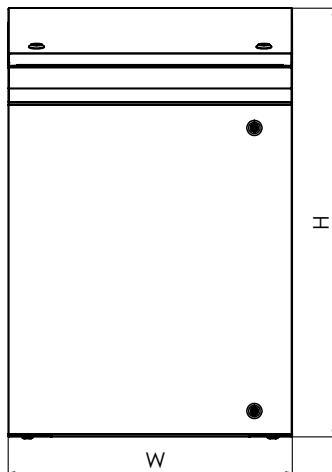
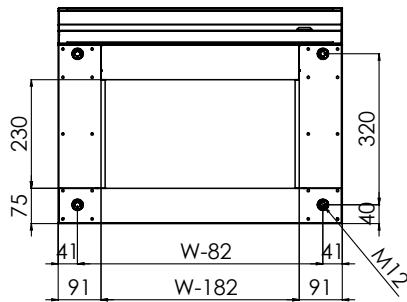
/ SBVH hygienic arm support

For more accessories, please consult the section "OTHER ACCESSORIES".

CONTROL CONSOLE WITH SLOPING TOP

QMA

Control console in AISI 304L (Wnr 1.4307) stainless steel built with single cover, featuring 12° sloping top and gas struts. Hinged lower door. 25/10 FeZn fixed internal plate. Internal plate insertion at front on rollers or from above. IP66 protection rating.



CERTIFICATIONS

As standard	IP66
On request	UL/CSA



TECHNICAL DETAILS

Minimum dimensions	W= 300 mm H= 700 mm D= 300 mm
Maximum dimensions	W= 1600 mm H= 1350 mm D= 600 mm
Dimensional pitch	10 mm
Door drilling reference	W- 170 mm H- 140 mm
Sloping unit drilling reference	W- 100 mm
Internal plate	W- 113 mm H- 95 mm
Usable depth	D1- 58 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door thicknesses	1.5 mm
Door	Blind hinged, reversible, rotation inside shoulder, with 20x20 reinforcing frame depending on dimensions, opening 115°
Sloping unit door	Blind hinged, with 20x20 reinforcing frame depending on dimensions, opening 90° with pistons
Sloping top	Inclined 12°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.5 mm
Console rear	Smooth
Console bottom	Flat cable gland plate including polyurethane seal
Internal plate	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Material	AISI 316L
Finishes	SN Coarse satin, 2B Matt
Internal plate	A304L/A316L thickness 1.5 mm
Seal	Silicone
Components on request	Guillotine cable gland plate

Product accessories

- / Plinth
- / Plinth bottom
- / Feet
- / Wheels

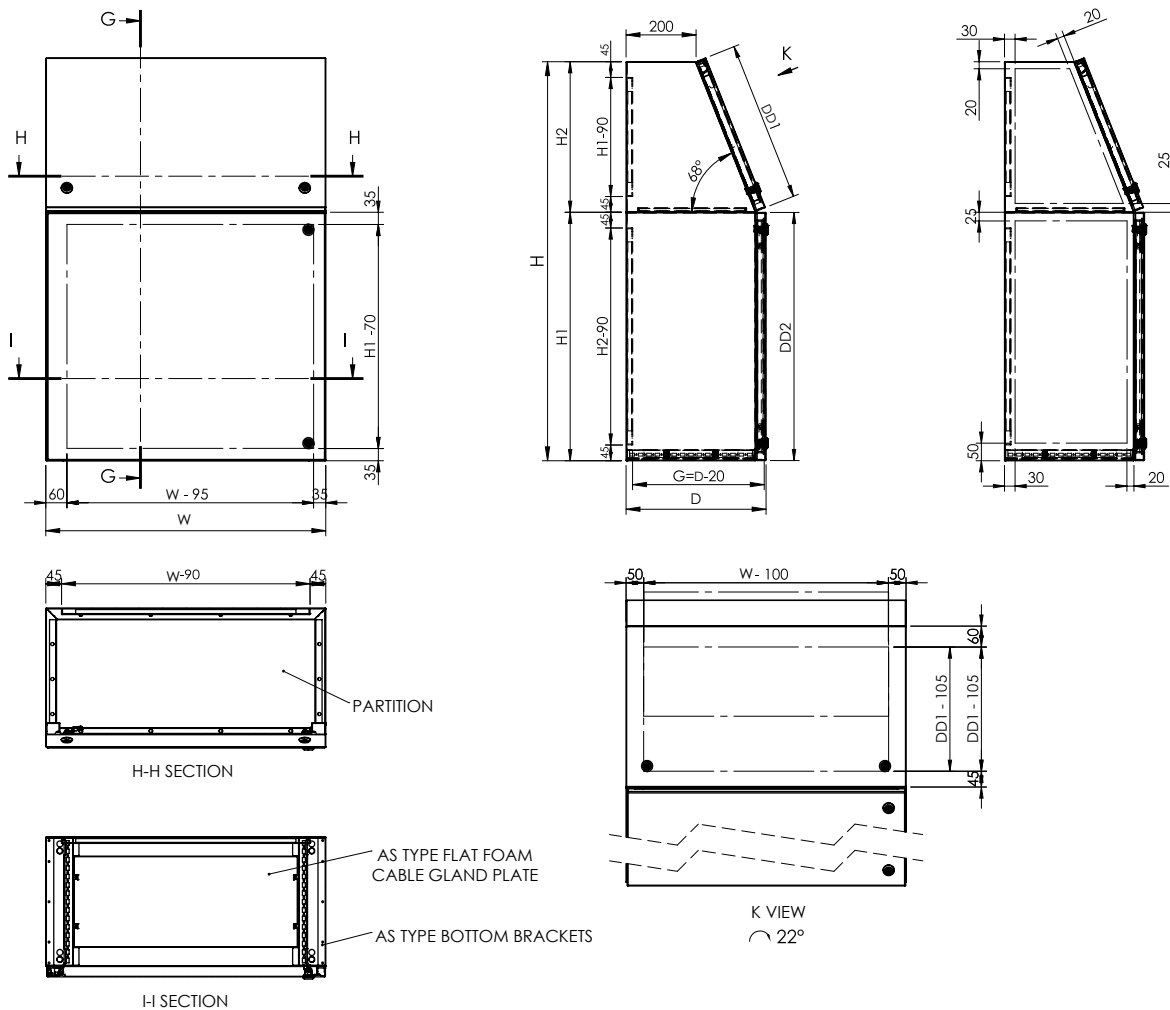
For more accessories, please consult the section "OTHER ACCESSORIES".



CONTROL CONSOLE WITH SLOPING SYNOPTIC PANEL

QMB

Control console in AISI 304L (Wnr 1.4307) stainless steel with 68° sloping synoptic panel and gas struts. Access to lower section through hinged door. Two 25/10 FeZn internal plates (adjustable in lower section, fixed in upper). IP66 protection rating. Models with a width greater than 1000 mm are created with 2 blind doors that close onto each other without a central support, IP55 protection rating (IP66 on request).



CERTIFICATIONS

As standard	Single door: IP66 IK10 / Double door: IP55
On request	IP66 double door



TECHNICAL DETAILS

Minimum dimensions	W= 600 mm H= 1140 mm D= 400 mm
Maximum dimensions	W= 2000 mm H= 1140 mm D= 400 mm
Dimensional pitch	W spacing 200 mm
Door drilling reference	W- 95 mm (60+35) H- 70 mm
Synoptic panel drilling reference	W- 100 mm DD1- 105 mm
Lower internal plate	W- 90 mm H2- 90 mm
Upper internal plate	W- 90 mm H1- 90 mm
Usable depth	G= D- 20

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Lower door	Blind hinged, rotation inside shoulder, with 20x20 reinforcing frame depending on dimensions, opening 115°
Synoptic-panel door	Blind hinged, with 20x20 reinforcing frame depending on dimensions, opening 90° with pistons
Synoptic panel	Inclined 68°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.5 mm
Console rear	Smooth
Horizontal partition	Screwed on and removable for inspection, in A304L thickness 1.5 mm
Console bottom	Cable gland plate including polyurethane seal
Internal plates	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Dimensions	Adaptable on request
Material	AISI 316L
Finishes	SN Coarse satin
Internal plates	A304L/A316L thickness 1.5 mm
Seal	Silicone

Product accessories

- / Plinth
- / Plinth bottom
- / Feet
- / Wheels

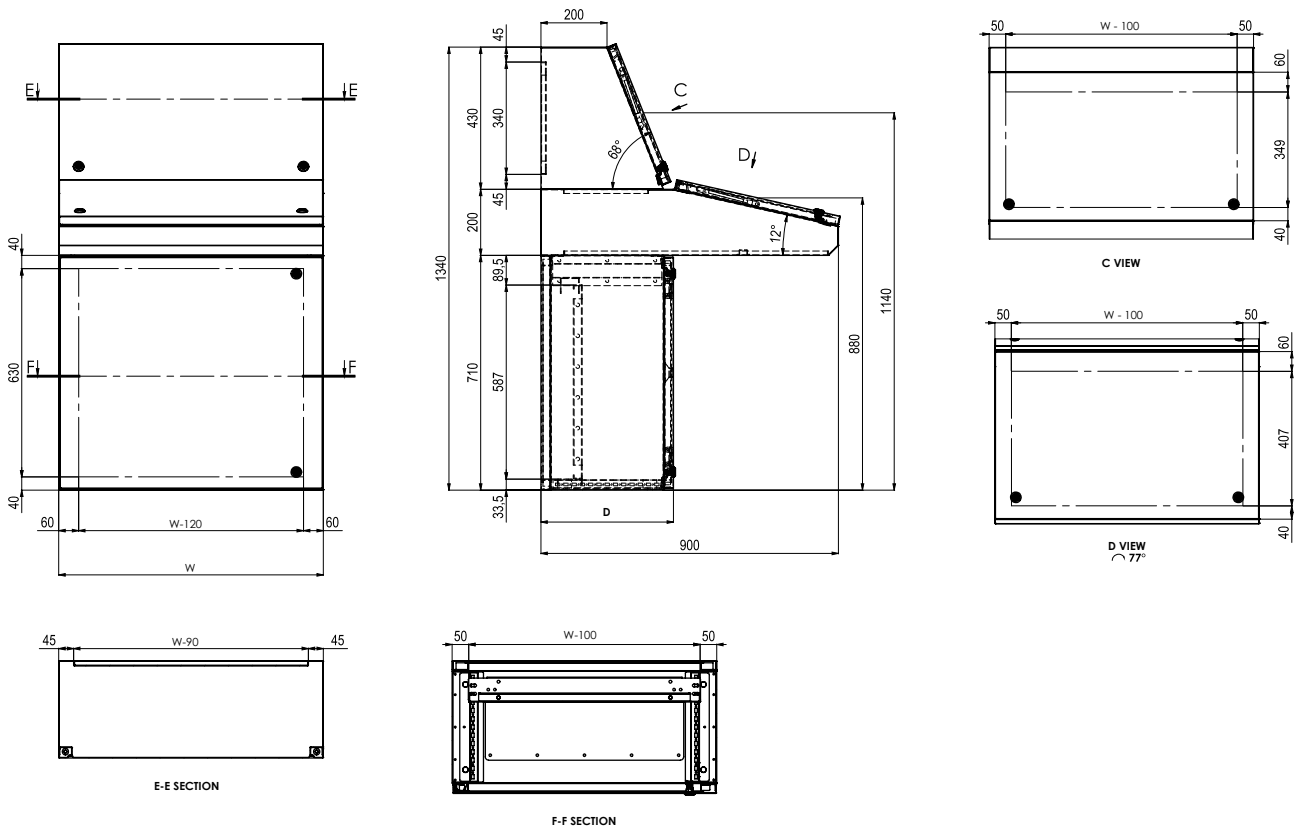
For more accessories, please consult the section "OTHER ACCESSORIES".



CONTROL CONSOLE WITH SLOPING TOP AND SYNOPTIC PANEL

QMD

Control console in AISI 304L (Wnr 1.4307) stainless steel with 12° sloping top and 68° sloping synoptic panel, with gas struts. Access to lower section through hinged door. Reversible lower door. Lower rear panel screwed on and upper fixed. Two 25/10 FeZn internal plates (adjustable in lower section, fixed in upper). IP65 protection rating. Models with a width greater than 1000 mm are created with 2 blind doors in the lower section closing onto welded central support.



CERTIFICATIONS

As standard IP65

TECHNICAL DETAILS

Minimum dimensions	W= 600 mm H= 1340 mm D= 400 mm
Maximum dimensions	W= 2000 mm H= 1340 mm D= 600 mm
Dimensional pitch	W spacing 200 mm
Lower door drilling reference	W- 120 mm H1- 80 mm
Sloping unit drilling reference	W- 100 mm D= 407 mm
Synoptic panel drilling reference	W- 100 mm H= 349 mm
Upper internal plate	W- 90 mm H= 340 mm fixed
Lower internal plate	W- 100 mm H= 587 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Lower door	Blind hinged, rotation inside shoulder, with 20x20 reinforcing frame depending on dimensions, opening 115°
Sloping unit door	Blind hinged, with 20x20 reinforcing frame depending on dimensions, opening 90° with pistons
Sloping unit panel inclination	12°
Synoptic-panel door	Blind hinged, with 20x20 reinforcing frame depending on dimensions, opening 90° with pistons
Synoptic unit inclination	68°
Console rear	Removable lower panel
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.5 mm
Console bottom	Cable gland plate including polyurethane seal
Internal plates	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Dimensions	Adaptable on request
Material	AISI 316L
Finishes	SN Coarse satin
Internal plates	A304L/A316L thickness 1.5 mm
Seal	Silicone

Product accessories

- / Plinth
- / Plinth bottom
- / Feet
- / Wheels

For more accessories, please consult the section "OTHER ACCESSORIES".

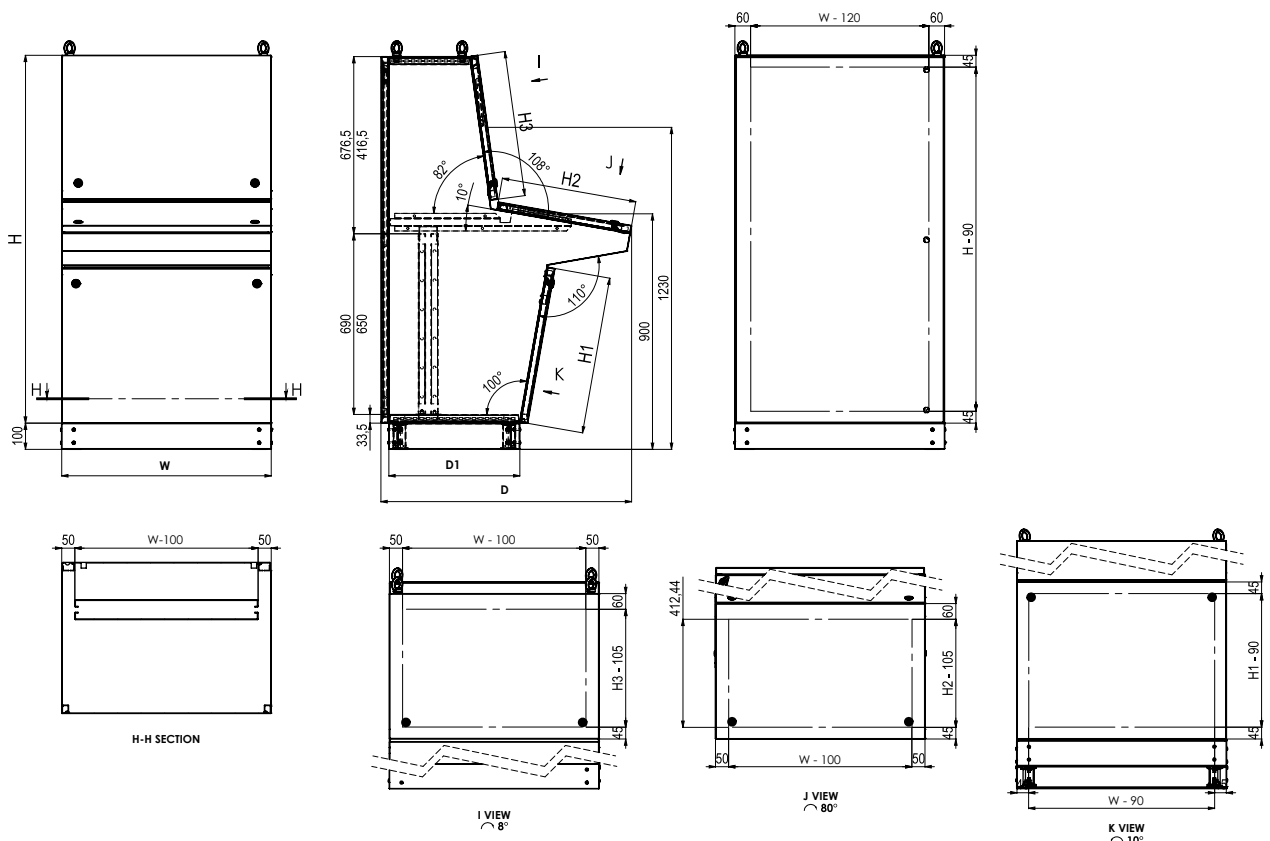


CONTROL CONSOLE WITH SLOPING TOP AND SYNOPTIC PANEL

DPEW

Control console in AISI 304L (Wnr 1.4307) stainless steel with 10° sloping top and 82° sloping synoptic panel, with gas struts. Access to lower section through detachable door. Hinged rear panel.

Lifting eye bolts included. Two adjustable 25/10 FeZn internal plates. Standard cable pass-through plinth H= 100 mm open on bottom. IP65/IP55 protection rating (with W>1000 rear double door).



CERTIFICATIONS



As standard

Single rear door - IP65,
double rear door - IP55

TECHNICAL DETAILS

Minimum dimensions	W= 800 mm H= 1220 mm D= 820 mm
Maximum dimensions	W= 2000 mm H= 1500 mm D= 950 mm
Dimensional pitch	W spacing 200 mm
Lower door drilling reference	W- 100 mm H1- 105 mm
Sloping unit drilling reference	W- 100 mm H2- 105 mm
Synoptic panel drilling reference	W- 100 mm H3- 105 mm
Rear door drilling reference	W- 120 mm H- 90 mm
Internal plate	W- 100 mm H= 650/690 mm double plate with adjustable depth

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Lower door	Blind detachable, with 20x20 reinforcing frame depending on dimensions
Sloping unit door	Blind hinged, with 20x20 reinforcing frame depending on dimensions, opening 90° with pistons
Sloping top	Inclined 10°
Synoptic-panel door	Blind hinged, with 20x20 reinforcing frame depending on dimensions, opening 90° with pistons
Synoptic panel	Inclined 82°
Console rear	Hinged blind, rotation inside shoulder, with 20x20 reinforcing frame depending on dimensions, above W 1000 mm there are two doors closing onto one another, opening 115°
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.5 mm
Top	Application of standard eye bolts
Console bottom	Cable gland plate including polyurethane seal and standard cable pass-through plinth H= 100 mm, open on bottom
Internal plates	FeZn 2.5 mm
Seal	Polyurethane

CUSTOMISATION OPTIONS

Dimensions	Adaptable on request
Material	AISI 316L
Finishes	SN Coarse satin
Internal plates	A304L/A316L thickness 1.5 mm
Seal	Silicone

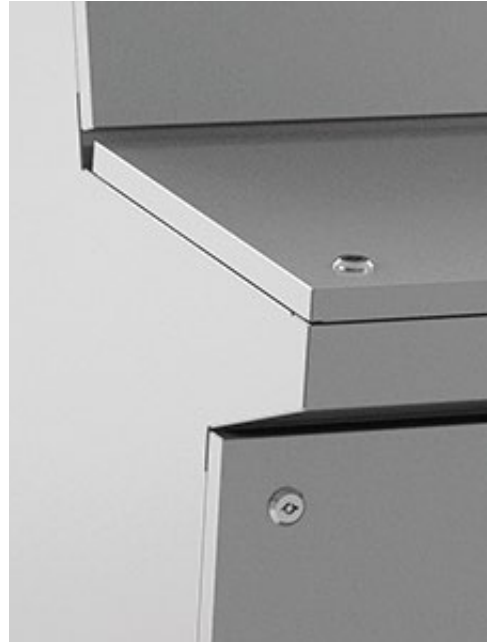
Product accessories

/ Plinth bottom

/ Feet

/ Wheels

For more accessories, please consult the section "OTHER ACCESSORIES".

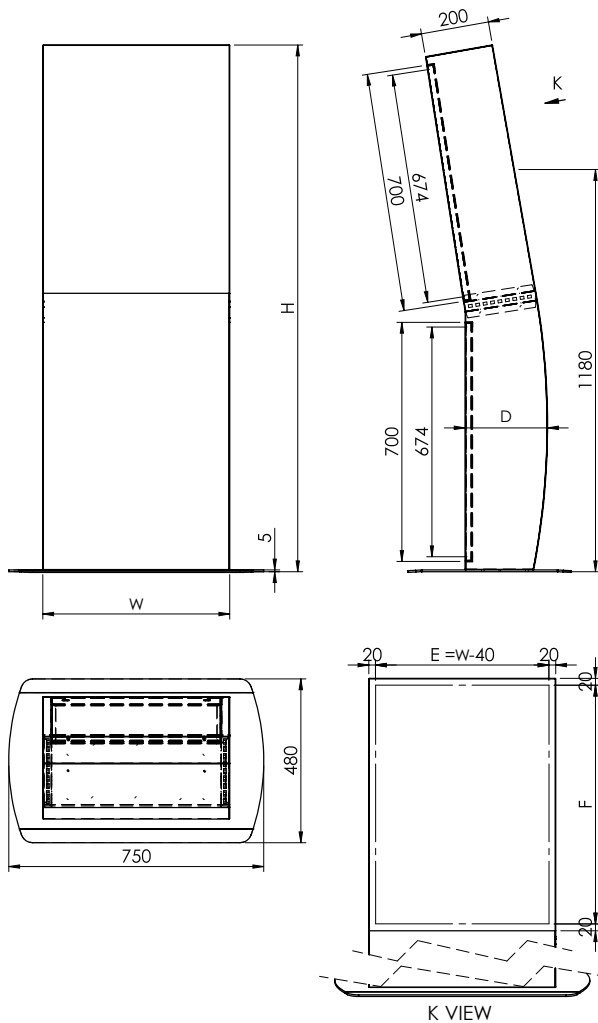


PULPIT FOR INTERACTIVE TERMINALS

VOLTA

Pulpit in AISI 304L (Wnr 1.4307) stainless steel with rounded structure.

Welded front. Rear panel with removable upper and lower door. 5 mm thick stainless-steel stabilising base ready for securing to the floor. When ordering please check centre-to-centre distance of fixing points. IP54 protection rating.



TECHNICAL DETAILS

Dimensions W= 550 mm H= 1545 mm
D= 243 mm

Front drilling reference W- 40 mm H- 700 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Detachable
Closing system	Stainless-steel lock, 1/4 turn with a double-bit key
Cover thickness	1.5 mm
Pulpit panel	Inclined 10°
Bottom	Stainless-steel 5 mm stabilising base
Seal	Polyurethane

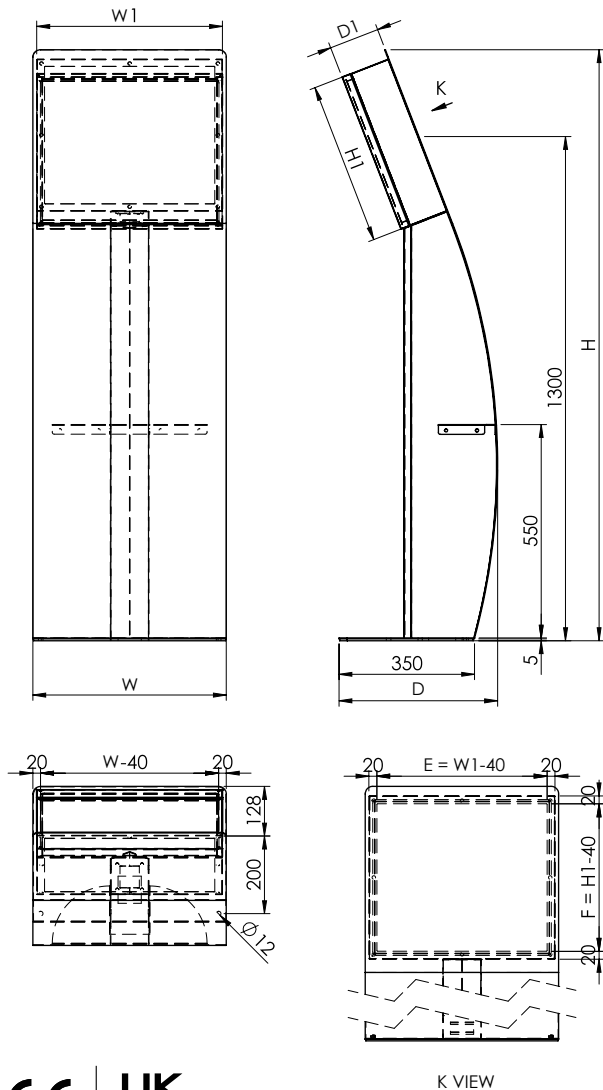
CUSTOMISATION OPTIONS

Dimensions	Adaptable on request
Material	AISI 316L
Finishes	SN Coarse satin
Seal	Silicone

PULPIT FOR INTERACTIVE TERMINALS

COPERNICO

Pulpit in AISI 304L (Wnr 1.4307) stainless steel with rounded structure. Top box with screwed top panel complete with fixed cable pass-through. Ready for securing to the floor. IP44 protection rating.



TECHNICAL DETAILS

Dimensions	W= 500 mm H= 1518 mm D= 416 mm
Drilling reference	W1- 40 mm H1- 40 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door thicknesses	1 mm
Door	Detachable, screwed on
Cover thickness	1.5 mm
Thickness of unit body	2 mm
Pulpit panel	Inclined 30°
Bottom	Stainless-steel 5 mm stabilising base
Seal	Polyurethane

CUSTOMISATION OPTIONS

Dimensions	Adaptable on request
Material	AISI 316L
Finishes	SN Coarse satin
Seal	Silicone



ACCESSORIES

A wide range of accessories are available for every single standard or customised model, meeting all specific requirements.

Certain accessories require special adaptation of the product, and their application may alter the IP protection rating or affect certifications.

Check when ordering.

EXTERIOR SET-UPS

PLINTH

Base in AISI 304L (Wnr 1.4307) stainless steel for floor mounting of control console; Access for inspection on all four sides and open at the bottom. Each plinth is composed of two panels (front/rear) and two blind side panels.

The height of the standard plinth is 100 mm.

Position of $\varnothing 12$ holes to anchor plinth:

W (external dimensions of structure) - 158 mm

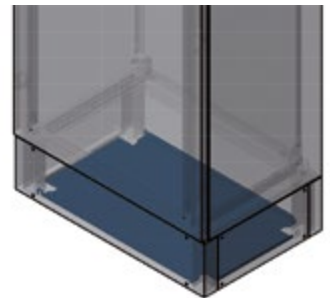
D (external dimensions of structure) - 158 mm



PLINTH BOTTOM

Closed with sheet in AISI 304L (Wnr 1.4307) stainless steel, screwed on.

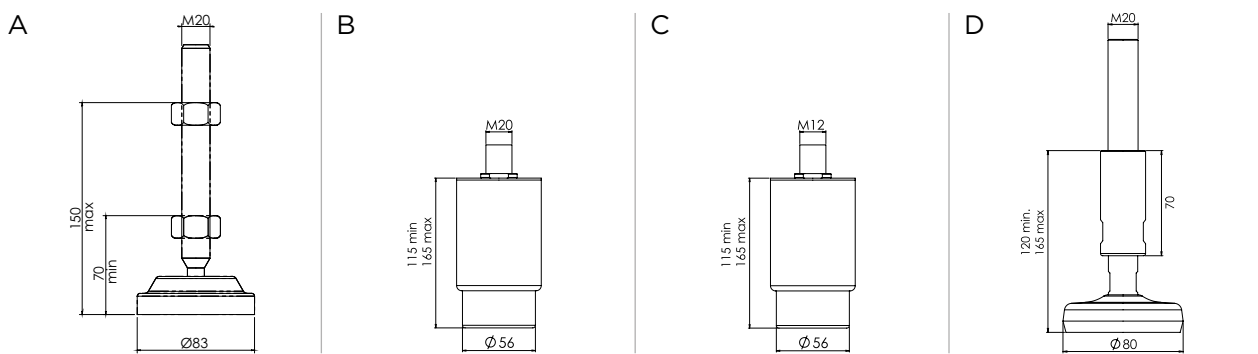
*Plinth bottom features guillotine cable gland plate as standard



FEET

IRINOX offers various types of height-adjustable feet. The addition of feet involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

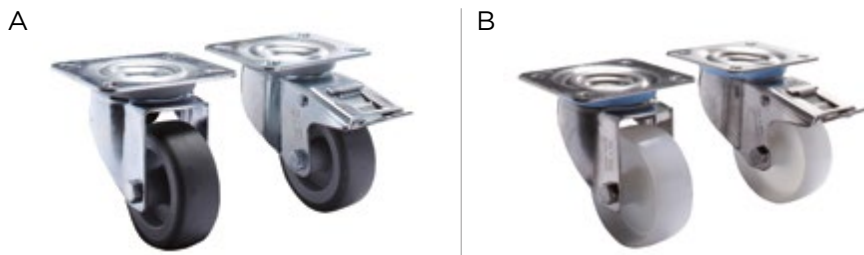
Code	Description
0133750002.01	Kit with 4 feet, M20 Ø 83 (A)
013707615	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M20 pin. Individual load 800 N (only for cabinet with plinth). (B)
013707620	Kit with 4 adjustable, cylindrical feet in AISI 304 (Wnr 1.4301) stainless steel, Ø 60 with M12 pin. Individual load 800 N (C)
013707500	Kit with 4 Hygienic M20 Ø 80 feet in AISI 304 (Wnr 1.4301) stainless steel. (D)



WHEELS

IRINOX offers various types of wheels. The addition of wheels involves special adaptation of the kit and it is therefore necessary to specify product configuration during the order phase.

Code	Description
013707700	Kit with 4 FeZn pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N (A)
013707710	Kit with 4 stainless-steel pivoting Ø 80 mm wheels, two with brakes, two without. Individual load 800 N (B)




To mount feet and wheels, special adaptations will be required at the customer's expense if ordered separately.

Feet and wheels can only be added to models QMA, QMB, QMD and DPEW.

To mount feet and wheels, special adaptations will be required at the customer's expense if ordered separately.





Accessories must always be specified during quote and order phase.

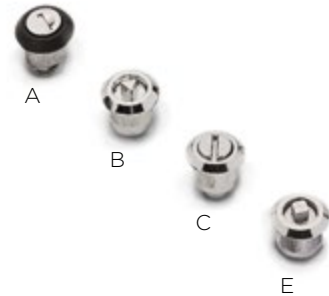
CLOSURE SYSTEMS

Standard closing systems consist of a 3 mm 1/4-turn double-bit lock. 



For IP66 two-door products without central support, standard closures consist of a concealed handle with 3 mm double-bit key and rod system.

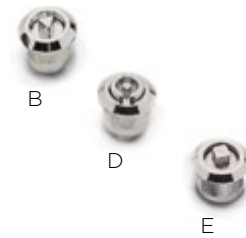
For closures with other types of locks and corresponding keys, consult the following tables.

Code	Description	
013706541	Closure in chromed Zamak with EK 333 insert (A)	
013706511	8 mm Closure in chromed Zamak with budget lock (B)	
013706531	Closure in chromed Zamak with budget lock (C)	
013706521	8 mm Closure in chromed Zamak with budget lock (E)	
	FeZn cam H=mm*	








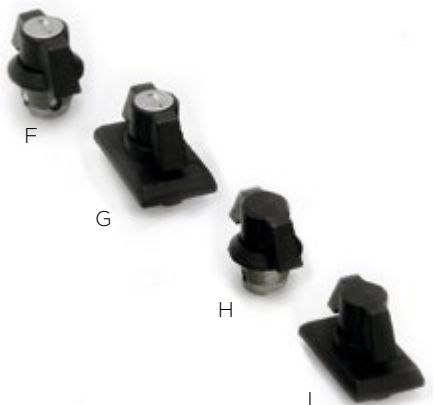
*Specify cam height when ordering: 18 - 22 - 24 - 29 - 32 - 40 - 50 mm

Code	Description	
013706571	8 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (E)	
013706561	8 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (B)	
013706501	3 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (D)	
013706551	5 mm AISI 304 (Wnr 1.4301) stainless steel closure with budget lock (D)	
013706556	5 mm AISI 316 (Wnr 1.4404) stainless steel closure with budget lock (D)	
	FeZn cam H=mm*	



*Specify cam height when ordering: 18 - 22 - 24 - 29 - 32 - 40 - 50 mm



Code	Description	
013706801	Fastner quick closure with EK 333 insert (F)	
013706821	Fastner quick closure with 313V2 A3132 insert (F)	
013706831	Fastner quick closure with R405° insert (F)	
013706871	34 X 59 mm Fastner quick closure with EK 333 insert with trim (G)	
013706891	34 X 59 mm Fastner quick closure with R455E insert with trim (G)	
013706791	Fastner quick closure without security insert (H)	
013706861	34 X 59 mm Fastner quick closure without security insert with trim (I)	

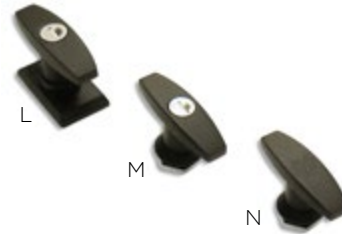











Consult previous tables for cams, closing mechanisms, rod packs, and keys in following tables.

N.B.: closures with trim require use of an internal rod system.

Accessories must always be specified during quote and order phase.






Code	Description	
013706760	34 X 59 T handle with EK 333 insert with trim (L)	
013706750	T handle with EK 333 insert (M)	
013706740	T handle without security insert (N)	



Code	Description	
013706600	3 mm Concealed handle with budget lock	
013706610	8 mm Concealed handle with budget lock	
013706620	8 mm Concealed handle with budget lock	
013706630	Concealed handle with EK333 insert (O)	
013706640	Concealed handle with E3133 insert (O)	
013706650	Concealed handle with E313V2 A3132 insert (O)	
013706660	Concealed handle with R405E insert (O)	
013706670	Concealed handle with R455E insert (O)	
013706690	Concealed handle with G9233 insert (O)	
013706720	Closure mechanism (specify cabinet type)	
013706730	Rod pack (specify dimensions and type of cabinet)	
013706705	Concealed handle in AISI 316 (Wnr 1.4404) stainless steel*	



*Specify the type of key desired when ordering

Code	Description	
013706911	8 mm Key with budget lock (R)	
013706931	EK333 key (S)	
013706921	8 mm Key with budget lock (Q)	
013706901	5 mm Key with budget lock (P)	
013706710	Hygienic Key with budget lock (T)	



For more accessories, please consult the section "OTHER ACCESSORIES".
Accessories must always be specified during quote and order phase.

HYGIENIC LINE

A RANGE DESIGNED TO BE HYGIENIC

MODELS ADH - APH - EKOH - AZH - EKOPH

CLEAN LINES AND TOP QUALITY

IRINOX conceived and developed the new HYGIENIC LINE with a design that facilitates cleaning operations, especially for sectors that require high hygienic standards.

A LINE WITH HYGIENE CERTIFICATION

MODELS EKO.HY - AS.HY

Why a hygiene-certified line?

The IRINOX hygiene-certified line was created to meet European regulations demanding that the handling, preparation, processing and packaging of food and any products that require contamination-free environments must be done using specific machinery in specially designed hygienic sites.

When an electrical enclosure is installed within a production line in which there may be direct contact with food or drugs, it must be made from compliant materials and be easy to clean.

- 128 TERMINAL BOX
MODEL ADH
- 130 PUSH BUTTON BOX
MODEL APH
- 132 ENCLOSURE WITH SLOPING
TOP AND RECESSED DOOR
MODEL EKOH
- 134 MODULAR CABINET
MODEL AZH
- 136 HYGIENIC HANGING
CONTROL UNIT
MODEL EKOPH
- 138 HYGIENE-CERTIFIED
ENCLOSURE
MODEL EKO.HY
- 140 HYGIENE-CERTIFIED
COMPACT CABINET
MODEL AS.HY
- 142 ACCESSORIES

TECHNICAL BENEFITS

Innovative design compliant with EHEDG guidelines.

Enclosure back and cabinet backs entirely flat and without cavities.

FDA-approved removable outer silicone seal.

New-generation hygienic closures in stainless steel with outer seal.

CERTIFICATIONS



_ EN 1672-2



IP66 IK07 _ EN 62208
IP69K _ ISO 20653



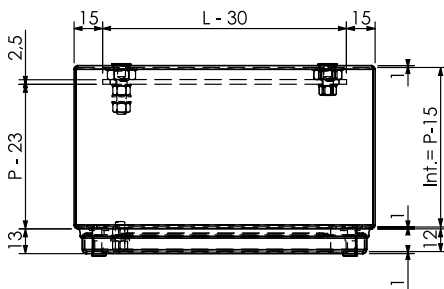
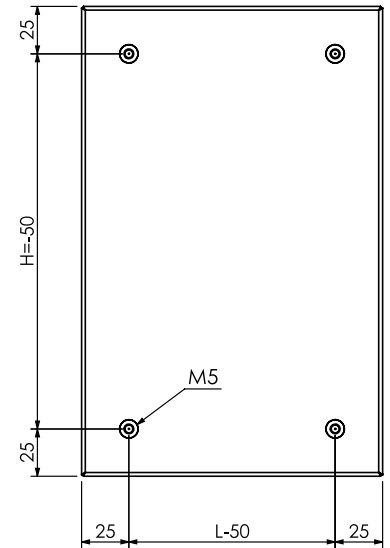
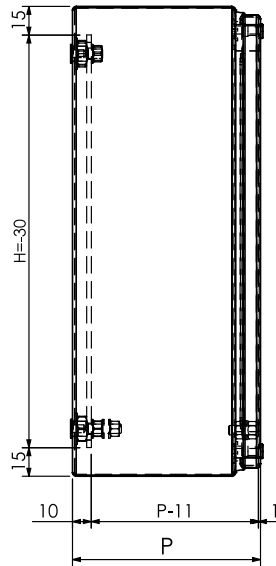
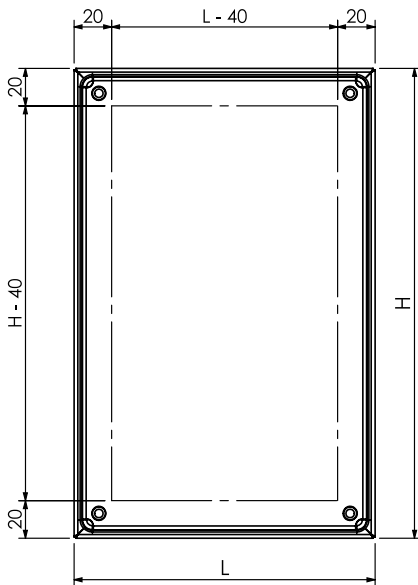
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UL TYPE 1,12,4,4X
UL 508A C22.2 No. 14-13



TERMINAL BOX ADH

Terminal box in AISI 304L (Wnr 1.4307) stainless steel, ideal for use in sectors requiring high standards of hygiene due to the profile design developed for easy cleaning. Blind screw-on cover featuring "clip-on" silicone seal, FDA approved. 25/10 FeZn internal plate. IP66 protection rating. IP67, IP69K and UL also available on request.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard	IP66
On request	IP67 - IP69K - Atex 3GD - Atex 2GD - UKCA Ex UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 80 H= 80 D= 60 mm
Maximum dimensions	W= 400 H= 400 D= 200 mm
Dimensional pitch	10 mm
Door drilling reference	W- 40 mm H- 40 mm
Internal plate	Can be applied when at least one side is greater than 100 mm W- 30 mm H- 15 mm for enclosures with one side < 100 mm (2 M5 bushes) W- 30 H- 30 mm for enclosures with sides > 100 mm (4 M5 bushes)
Usable depth	D- 11 mm
Centre-to-centre distance for securing enclosure	H- 30 mm up to short side 100 mm (2 M5 bushes) H- 50 mm for models with sides > 100 mm (4 M5 bushes)

TECHNICAL DESCRIPTION

Type of steel	AISI 304L (Wnr 1.4307) Scotch-brite
Cover spacers	The cover has a thickness of 10/10 when WxH is below 80,000 mm ² ; beyond this size the thickness is 12/10.
Cover	Blind
Cover opening	Detachable
Closing system	Screwed-on, M5*
Cover thickness	1 mm
Rear fastenings	M5 bushes
Internal plate	25/10 FeZn
Seal	FDA-approved silicone

*Standard set of screws supplied dismantled: 4 hex-head screws + 4 slot-head screws.

CUSTOMISATION OPTIONS

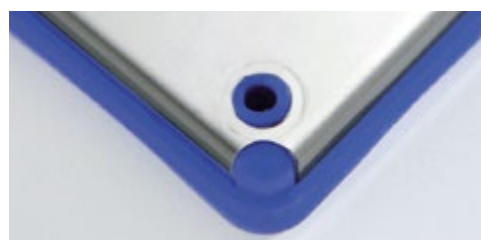
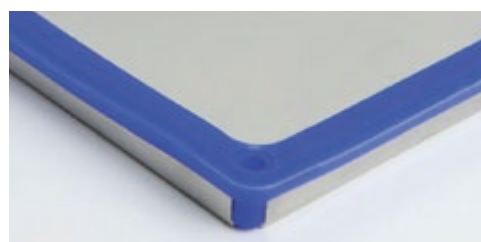
Material	AISI 316L (Wnr 1.4404)
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	1.2 mm*
Rear fastenings	Stud bolts
Cover	<ul style="list-style-type: none"> • Application of Lexan STD, min. enclosure dimensions 130x130 mm • Application of Lexan UL, min. enclosure dimensions 150x150 mm • Application of 3+3 glass, min. enclosure dimensions 250x250 mm • Application of cover fall-prevention system
Sides	Option of incline up to 7° on 4 sides, drilling H- 20 mm, W- 20 mm, D- 33 mm (10+23 mm)
Internal plate	Mounting on stud bolts, blind back, material A304L or A316L thickness 1.5 mm
Installation on mobile arm	Yes, with minimum depth of 110 mm
Handles	from H/W >180 mm

*To be verified during order phase

Product accessories

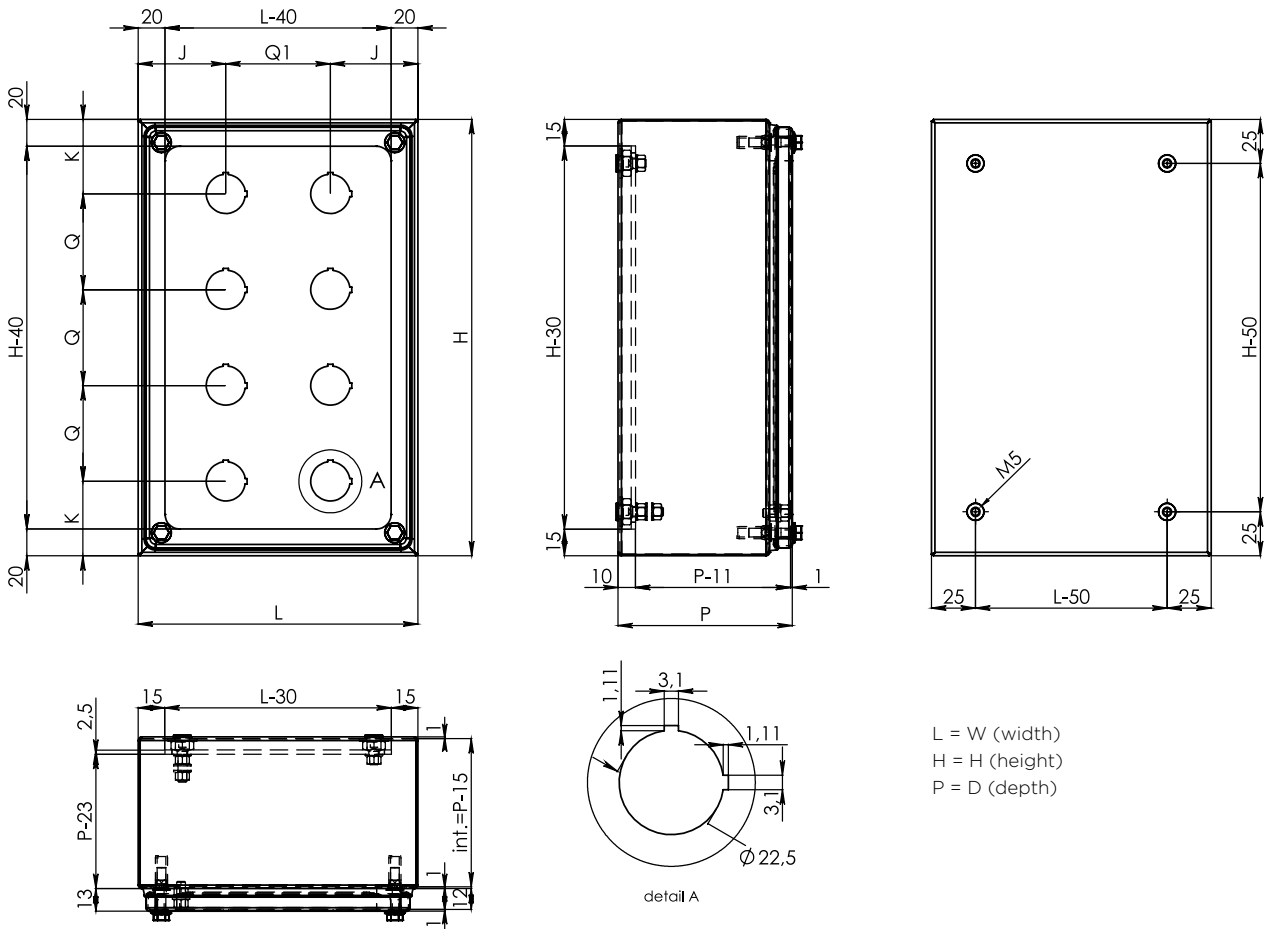
- / M5 wall-mounted spacers
- / Hygienic wall-mounted spacers
- / DIN rail support

For more accessories, please consult the section "OTHER ACCESSORIES".



PUSH BUTTON BOX APH

Push button box in AISI 304L (Wnr 1.4307) stainless steel, ideal for use in sectors requiring high standards of hygiene due to the profile design developed for easy cleaning. Screw-on cover featuring "clip-on" silicone seal, FDA approved, pre-drilled with $\varnothing 22.5$ mm holes. No internal plate. IP66 protection rating. IP67, IP69K and UL also available on request.



CERTIFICATIONS

As standard	IP66
On request	IP67 - IP69K - Atex 3GD - Atex 2GD - UKCA Ex UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 80 mm H= 80 mm D= 60 mm
Maximum dimensions	W= 400 mm H= 400 mm D= 200 mm
Dimensional pitch	10 mm
Door drilling reference	W- 40 mm H- 40 mm
Internal plate	Not present
Usable depth	D- 11 mm
Centre-to-centre distance for securing enclosure	H- 30 mm up to short side 100 mm (2 M5 bushes) H- 50 mm for enclosures with sides > 100 mm (4 M5 bushes)

TECHNICAL DESCRIPTION

Type of steel	AISI 304L (Wnr 1.4307) Scotch-brite
Cover spacers	The cover has a thickness of 10/10 when WxH is below 80,000 mm ² ; beyond this size the thickness is 12/10.
Cover	Drilled for buttons
Cover opening	Detachable
Closing system	Screwed-on, M5*
Cover thickness	1 mm
Rear fastenings	M5 bushes
Internal plate	25/10 FeZn
Seal	FDA-approved silicone

*Standard set of screws supplied dismantled: 4 hex-head screws + 4 slot-head screws.

CUSTOMISATION OPTIONS

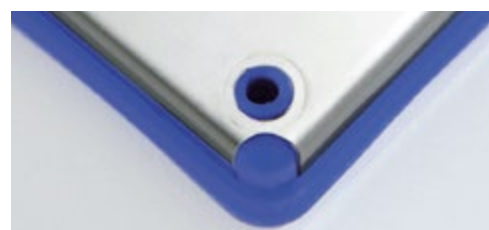
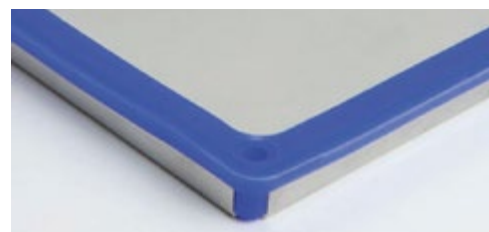
Material	AISI 316L (Wnr 1.4404)
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	1.2 mm*
Rear fastenings	Stud bolts
Cover	No. of button holes on request with limitations, drilling W- 40 mm H- 40 mm Application of cover fall-prevention system
Sides	Option of incline up to 7° on 4 sides, drilling H- 20 mm, W- 20 mm, D- 33 mm (10+23 mm) <ul style="list-style-type: none"> • Can be applied when at least one side is greater than 100 mm • W- 30 mm H- 15 mm for enclosures with sides < 100 mm (2 bushes)
Internal plate	<ul style="list-style-type: none"> • W- 30 mm H- 30 mm for enclosures with sides > 100 mm (4 bushes) • Standard mounting on M5 bushes • Mounting on stud bolts, blind back • Material A304L or A316L, thickness 1.5 mm
Configuration for assembly of mobile arm	Yes
Minimum depth depending on joint fitted	110 mm
Handles	from H/W >180 mm

*To be verified during order phase

Product accessories

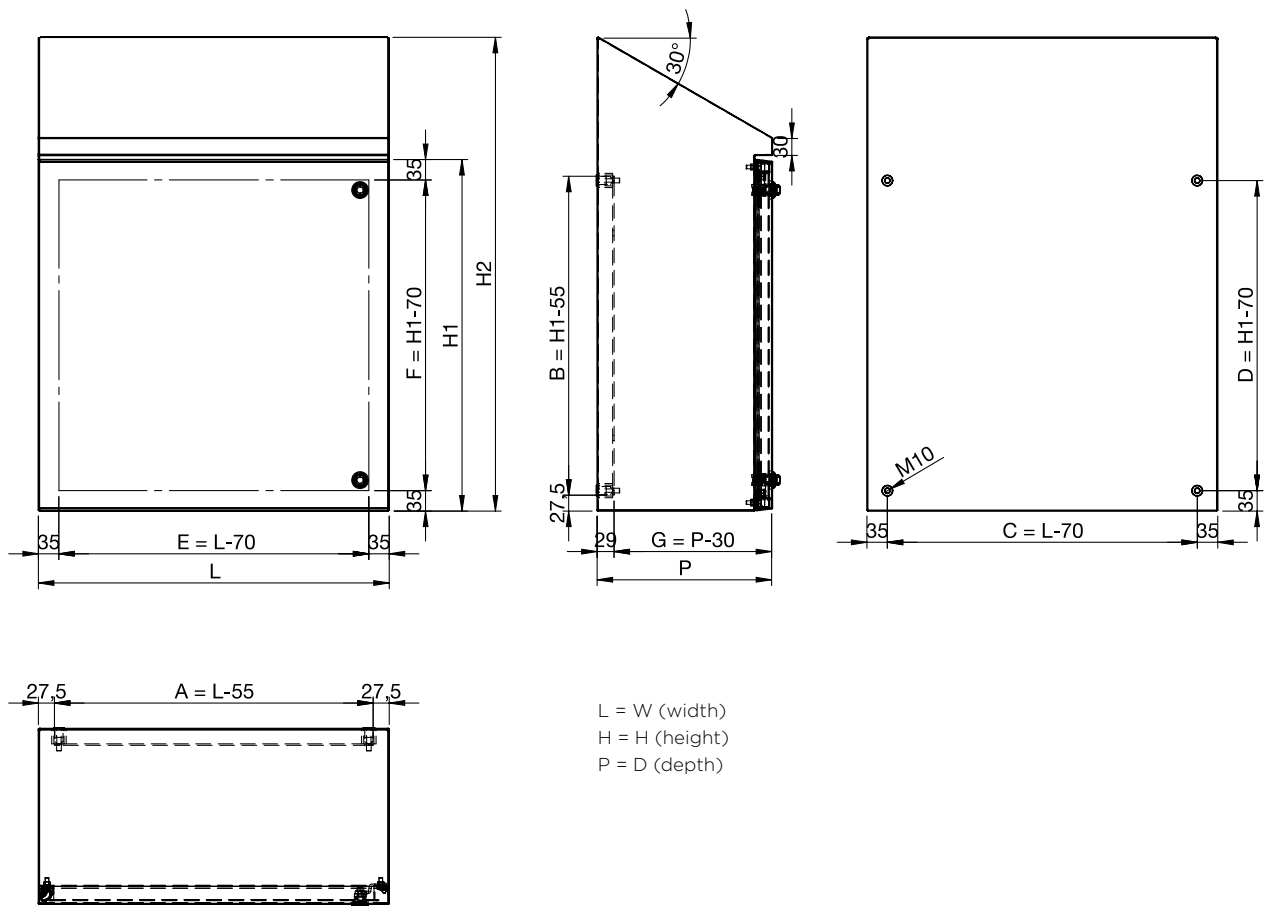
- / Flat wall brackets
- / Raised wall brackets
- / M5 wall-mounted spacers
- / Hygienic wall-mounted spacers
- / Cable input gland plate
- / Pedestal model PD3210
- / DIN rail support

For more accessories, please consult the section "OTHER ACCESSORIES".



ENCLOSURE WITH SLOPING TOP AND RECESSED DOOR EKOH

Enclosure in AISI 304L (Wnr 1.4307) stainless steel.
Hinged blind door with unfolded, sloping edges and
hygienic AISI 316 stainless-steel lock.
Door opening: 130° with left hinges. Features sloping
top for easy cleaning and to avoid objects being
placed on unit.
25/10 FeZn internal plate. IP66 protection rating.



CERTIFICATIONS

As standard	Single door: IP66 IK10 / Double door: IP55
On request	Single door: IP69K - UL - ATEX 3GD

TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H1= 200 mm D= 120 mm
Maximum dimensions	Single door: W= 1000 mm H= 1600 mm D= 600 mm Double door: W= 1600 mm H= 1450 mm D= 600 mm or W= 1450 mm H= 1600 mm D= 600 mm
Dimensional pitch	10 mm
Door drilling reference	W- 70 mm H1- 70 mm
Internal plate	W- 55 mm H- 55 mm for enclosures with at least one side \leq 1000 mm, W- 45 mm for enclosures with at least one side $>$ 1000 mm ($>$ 4 bushes)
Usable depth	D- 20 mm
Centre-to-centre distance for securing enclosure	Nominal H- 70 W- 70 mm, M10 bushes. The number of fastenings vary based on combinations of dimensions

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.2 mm and 1.5 mm depending on the size
Door	Hinged Blind door with lower and upper sides sloping 7° 2 mm or 1.5 mm thickness in addition to reinforcing frame depending on dimensions
Door opening	130°
Closing system	A316 hygienic stainless-steel lock, 1/4 turn with key
Cover thickness	1.2 mm and 1.5 mm depending on the size
Rear fastenings	M10 bushes
Internal plate	FeZn 2.5 mm
Seal	FDA-approved silicone

CUSTOMISATION OPTIONS

Material	AISI 316L, A316 titanium
Finishes	SN Coarse satin, BA Polished, 2B Matt, coating, micro shot-peening, passivation
Thicknesses	2 mm or 3 mm
Rear fastenings	Stud bolts, on request without fastenings
Door	Lexan, 3+3 glass, closure with screws
Sides	Application of cable gland plate on sides, top and bottom, dimensions H- 20 mm W- 20 mm D- 40 mm (10+30 mm) on sloping top H- 40 mm W- 40 mm
Internal plate	Mounting on stud bolts (blind back) A304L or A316L, thickness 1.5 mm
Seal	Polyurethane
Different top incline	10° / 20° / 30°
Components on request	A316 hardware

Product accessories

- / M10 wall-mounted spacers
- / Hygienic wall-mounted spacers
- / LED and micro support
- / DIN rail support
- / FPDH hygienic protection window
- / SBVH hygienic arm support

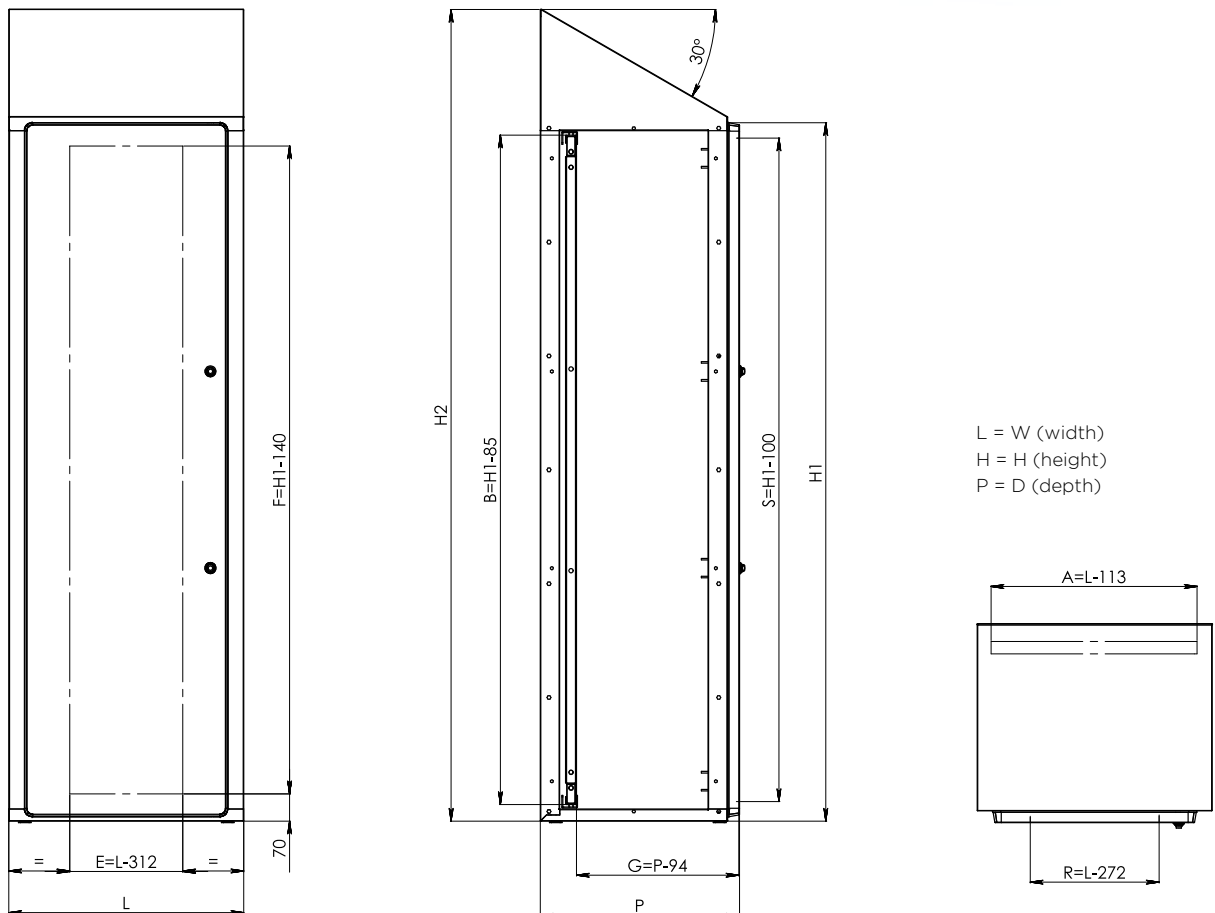
For more accessories, please consult the section "OTHER ACCESSORIES".



MODULAR CABINET AZH

Cabinet in AISI 304L (Wnr 1.4307) stainless steel with FeZn internal plate.

30° sloping top. Cabinet rear completely flat and without cavities. Cabinet has no concaves, for easy cleaning and to avoid any deposits. Detachable side panels with hygienic screws. FDA-approved removable outer silicone seal. Inner drip-proof edge. Inner hinges. New-generation hygienic closures in stainless steel with outer seal and closure system with inner rods. Can be combined with a hygienic frame or cable plinth below, both with certified-hygienic feet.



CERTIFICATIONS

As standard	IP66 - IP69K
On request	UL

TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H1= 1200 mm D= 300 mm
Maximum dimensions	W= 1300 mm H1= 2000 mm D= 600 mm
Dimensional pitch	50 mm
Door drilling reference	W- 312 mm H1- 140 mm
Internal plate	FeZn 2.5 mm W- 113 mm H1- 85 mm
Usable depth	D- 94 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Blind, rotation inside shoulder, non-reversible
Door fastening	Hinged with frame for $W \geq 550$ mm
Door opening	115°
Frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing
Closing system	Hygienic stainless-steel lock, 1/4 turn
Cover thickness	1.5 mm
Sides	Screwed on
Internal plate	FeZn 2.5 mm
Top	Inclined 30°
Seal	FDA-approved silicone

CUSTOMISATION OPTIONS

Material	AISI 316L
Door	Right hinges
Different top incline	10° / 20° / 30°
Internal plate	Not present or A304L/A316L thickness 1.5 mm

Product accessories

- / Hygienic feet
- / Plinth with hygienic feet
- / Base with hygienic feet
- / FPDH hygienic protection window
- / SBVH hygienic arm support
- / Hygienic wall-mounted spacers

For more accessories, please consult the section "OTHER ACCESSORIES".



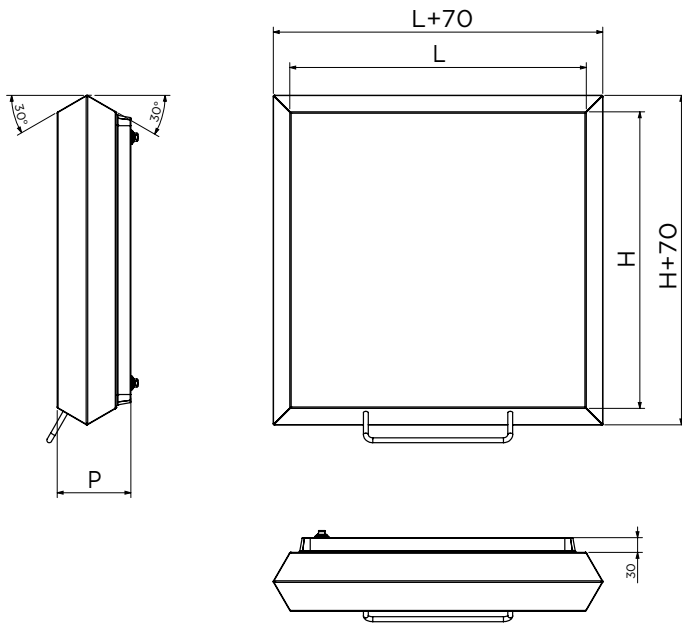
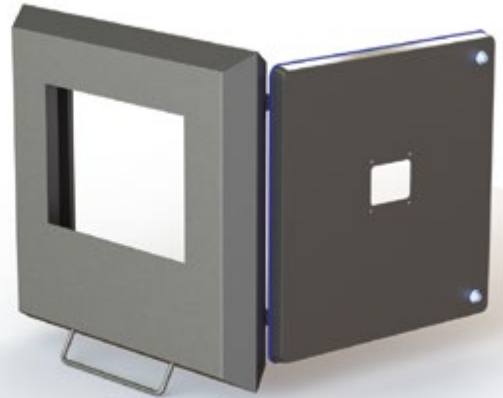
HYGIENIC LINE

HYGIENIC HANGING CONTROL UNIT EKOPH

Hanging control unit in AISI 304L (Wnr 1.4307) stainless steel with rounded profiles, ready to mount arm support. Rear door with 110° opening on left hinges and hygienic stainless-steel locks with outer seal.

Manoeuvring handle may be applied on lower side.

No internal plate. IP66 and IP69K protection rating.



L = W (width)
H = H (height)
P = D (depth)

CERTIFICATIONS

As standard

IP66, IP69K, UL/CSA

TECHNICAL DETAILS

Minimum dimensions	W= 250 mm H= 300 mm D= 100 mm
Maximum dimensions	W= 600 mm H= 600 mm D= 200 mm
Dimensional pitch	10 mm
Front drilling reference	W- 130 mm H- 80 mm
Side drilling reference	Not drillable
Internal plate	Not present
Usable depth	D- 5 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Rounded, left hinges, ready to mount hygienic arm support (model SBVH)
Door opening	110°
Sides	Inclined 30°
Top	Inclined, anti-dust
Cover thickness	1.5 mm
Closing system	Lock in AISI 316 stainless steel
Internal plate	Not present
Seal	FDA-approved silicone

CUSTOMISATION OPTIONS

Material	AISI 316L
Door	Right hinges
Sides	Manoeuvring handle may be applied on lower side

Product accessories

- / Arms with specific joints sized in relation to the depth and weight of the hanging unit
- / SBVH hygienic arm support

For more accessories, please consult the section "OTHER ACCESSORIES".

HYGIENIC LINE

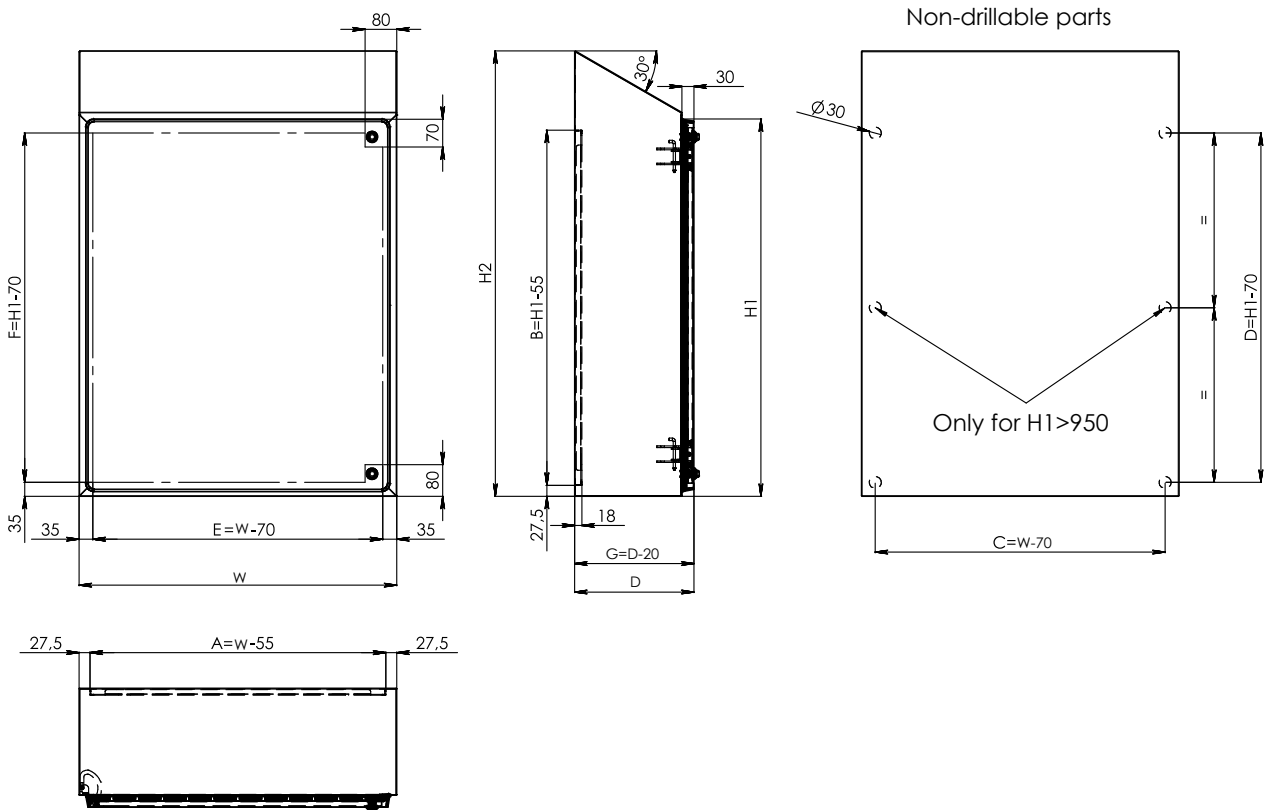
ENCLOSURE WITH HYGIENE CERTIFICATION EKO.HY

Enclosure in AISI 304L (Wnr 1.4307) stainless steel with inner-hinged blind door.

30° sloping top. Enclosure rear completely flat and without cavities, for easy cleaning and to avoid any deposits.

FDA-approved removable outer silicone seal. Inner drip-proof edge.

New-generation hygienic closures in stainless steel with outer seal.



CERTIFICATIONS

As standard

IP66 - IP69K

On request

UL - DGUV hygiene certification



N° file E231227

TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H1= 300 mm D= 120 mm
Maximum dimensions	W= 1400 mm H1= 1200 mm D= 500 mm
Dimensional pitch	10 mm
Door drilling reference	W- 70 mm H1- 70 mm
Internal plate	FeZn 2.5 mm W- 70 mm H1- 70 mm
Usable depth	D- 20 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Blind, rotation outside shoulder, non-reversible
Door fastening	Hinges
Door opening	115°
Closing system	Hygienic stainless-steel lock, 1/4 turn
Cover thickness	1.5 mm
Internal plate	FeZn 2.5 mm
Top	Inclined 30°
Seal	FDA-approved silicone

CUSTOMISATION OPTIONS

Material	AISI 316L
Rear fastenings	M6 bush, M8 bush, M10 bush
Door	Right hinges
Different top incline	10° / 20° / 30° / 40° / 45°
Internal plate	Not present or A304L/A316L thickness 1.5 mm

Product accessories

- / Hygienic wall-mounted spacers
- / FPDH hygienic protection window
- / SBVH hygienic arm support

For more accessories, please consult the section "OTHER ACCESSORIES".



HYGIENIC LINE

COMPACT CABINET WITH HYGIENE CERTIFICATION **AS.HY**

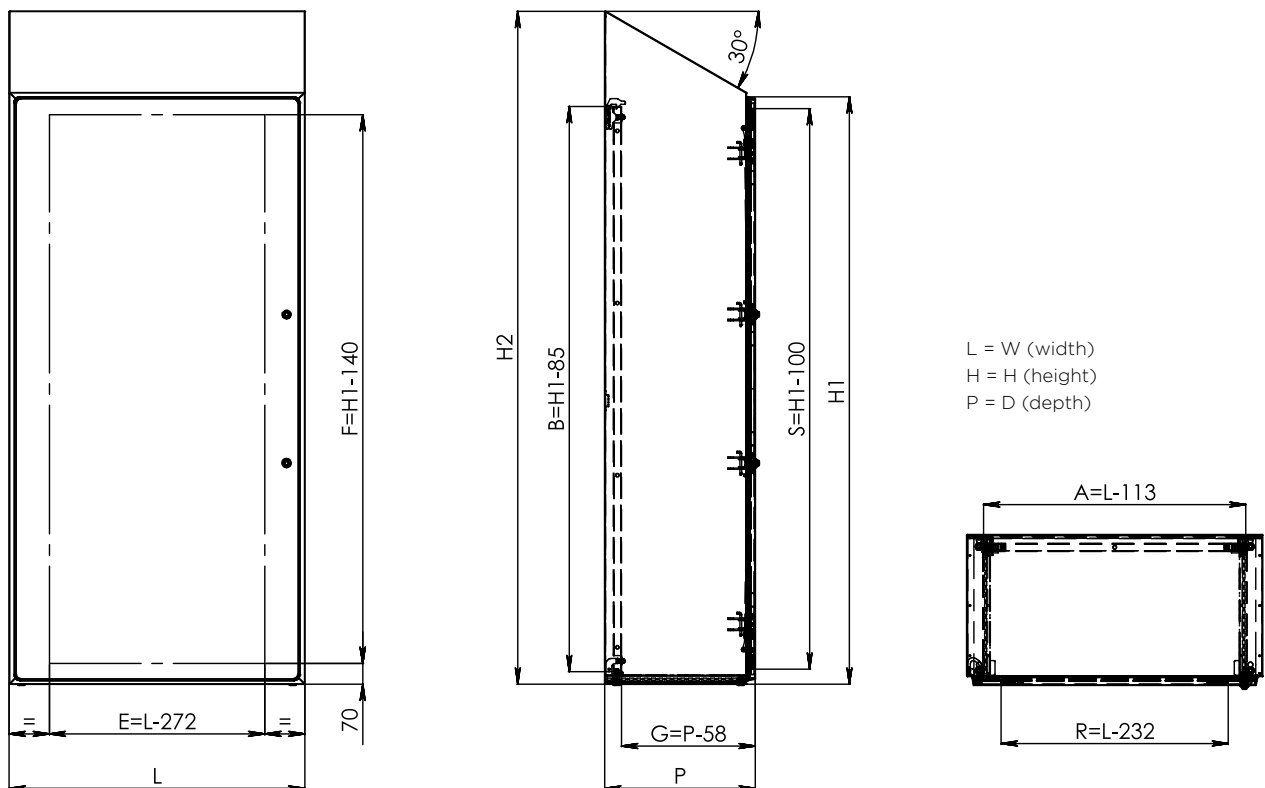
Single-body reach-in unit.

30° sloped top. Cabinet rear completely smooth and without cavities.

Cabinet has no concaves, for easy cleaning and to avoid any deposits. FDA-approved removable outer silicone seal. Inner drip-proof edge.

Inner hinges. New-generation hygienic locks in stainless steel with outer seal and internal rod locking system.

Can be combined with a hygienic frame or cable plinth below, both with certified-hygienic feet.



CERTIFICATIONS

As standard

IP66 - IP69K

On request

UL - DGUV hygiene certification



TECHNICAL DETAILS

Minimum dimensions	W= 200 mm H1= 1200 mm D= 300 mm
Maximum dimensions	W= 1400 mm H1= 2000 mm D= 500 mm
Dimensional pitch	10 mm
Door drilling reference	W- 272 mm H1- 140 mm
Internal plate	FeZn 2.5 mm W- 113 mm H1- 85 mm
Usable depth	D- 58 mm

TECHNICAL DESCRIPTION

Type of steel	AISI 304L Scotch-brite
Door spacers	1.5 mm
Door	Blind, rotation outside shoulder, non-reversible
Door fastening	Hinged with frame for $W \geq 550$ mm
Door opening	115°
Frame	Pre-drilled 20 mm x 20 mm pipe mounted with stud bolts and joining corner element for earthing
Closing system	Hygienic stainless-steel lock, 1/4 turn
Cover thickness	1.5 mm
Internal plate	FeZn 2.5 mm
Top	Inclined 30°
Seal	FDA-approved silicone

CUSTOMISATION OPTIONS

Material	AISI 316L
Door	Right hinges
Different top incline	10° / 20° / 30°
Internal plate	Not present or A304L/A316L thickness 1.5 mm

Product accessories

- / Hygienic feet
- / Plinth with hygienic feet
- / Base with hygienic feet
- / FPDH hygienic protection window
- / SBVH hygienic arm support
- / Hygienic wall-mounted spacers

For more accessories, please consult the section "OTHER ACCESSORIES".



ACCESSORIES

A wide range of accessories are available for every single standard or customised model, meeting all specific requirements.

Certain accessories require special adaptation of the product, and their application may alter the IP protection rating or affect certifications. Check when ordering.

CABLE GLAND PLATES/MODELS AS.HY AND AZH

Cable input gland plate in AISI 304L (Wnr 1.4307) stainless steel suitable for applications with cable glands. Standard set-ups with blind bottom, without cable gland plate.

Installation of the cable gland plate must be requested during quote/offer phase. Cable gland plates can be a single foam unit or swapped with guillotine cable gland plate.

SINGLE FOAM CABLE GLAND PLATE



GUILLOTINE CABLE GLAND PLATE



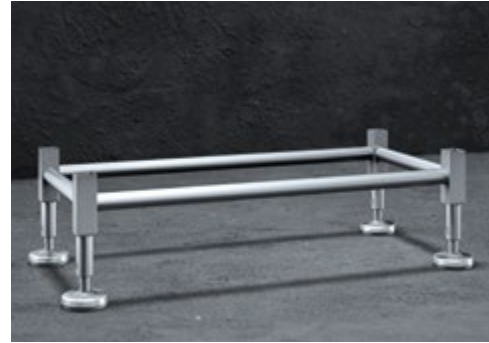
IRINOX provides the cable gland plate as standard for all orders of cabinets with plinth included.

EXTERIOR SET-UPS/MODELS AS.HY AND AZH

BASE WITH HYGIENIC FEET

Base in AISI 304 stainless steel, created with 30 mm-diameter tubular structure that is easy to clean. Equipped with adjustable hygienic feet for easy cleaning also under cabling cabinets.

Code	Description	Dimensions
ZY0401800400010	BASE+FEET.HY	40 40
ZY0601800400009	BASE+FEET.HY	60 40
ZY0801800400026	BASE+FEET.HY	80 40
ZY1001800400015	BASE+FEET.HY	100 40
ZY1201800400012	BASE+FEET.HY	120 40
ZY0401800500005	BASE+FEET.HY	40 50
ZY0601800500014	BASE+FEET.HY	60 50
ZY0801800500035	BASE+FEET.HY	80 50
ZY1001800500007	BASE+FEET.HY	100 50
ZY1201800500012	BASE+FEET.HY	120 50
ZY0401800600003	BASE+FEET.HY	40 60
ZY0601800600007	BASE+FEET.HY	60 60
ZY0801800600006	BASE+FEET.HY	80 60
ZY1001800600004	BASE+FEET.HY	100 60
ZY1201800600012	BASE+FEET.HY	120 60



PLINTH WITH HYGIENIC FEET

Plinth in AISI 304L stainless steel made of single sheet-metal element and closed on all sides. H 200 mm as standard, equipped with adjustable hygienic feet for easy cleaning also under cabling cabinets.

Code	Description	Dimensions
ZY0401800400009	PLINTH+FEET.HY	40 40
ZY0601800400008	PLINTH+FEET.HY	60 40
ZY0801800400025	PLINTH+FEET.HY	80 40
ZY1001800400014	PLINTH+FEET.HY	100 40
ZY1201800400022	PLINTH+FEET.HY	120 40
ZY0401800500004	PLINTH+FEET.HY	40 50
ZY0601800500013	PLINTH+FEET.HY	60 50
ZY0801800500034	PLINTH+FEET.HY	80 50
ZY1001800500006	PLINTH+FEET.HY	100 50
ZY1201800500026	PLINTH+FEET.HY	120 50
ZY0401800600002	PLINTH+FEET.HY	40 60
ZY0601800600006	PLINTH+FEET.HY	60 60
ZY0801800600005	PLINTH+FEET.HY	80 60
ZY1001800600003	PLINTH+FEET.HY	100 60
ZY1201800600011	PLINTH+FEET.HY	120 60



IRINOX provides the cable gland plate as standard for all orders of cabinets with plinth included.

Accessories must always be specified during quote and order phase.

WINDOWS

PROTECTION WINDOWS FPDH HYGIENIC DESIGN

in AISI 304L (Wnr 1.4307) stainless steel, featuring:

Transparent Lexan door
(transparent polycarbonate sheet, 4 mm thickness, resistant to UV rays).

Concealed hinges
in stainless steel that enable 110° opening angle.

Hygienic closure:
stainless-steel lock.

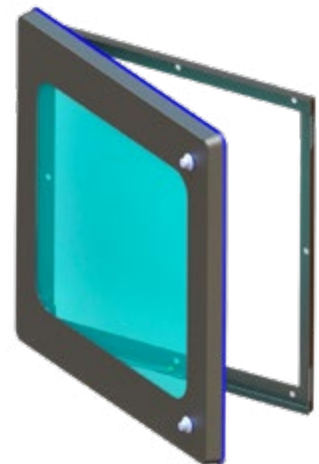
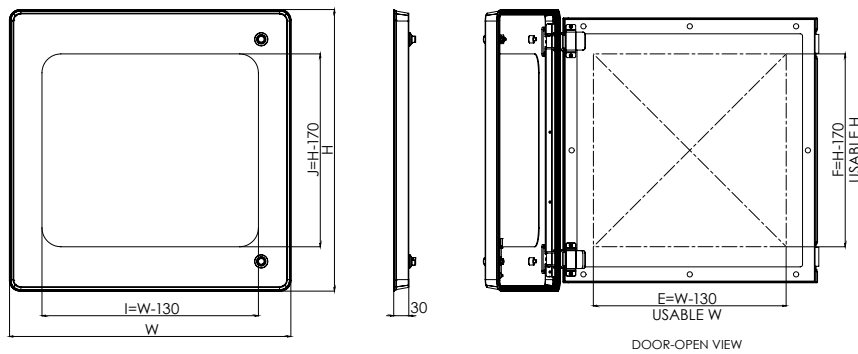
Easy cleaning and hygiene
guaranteed by the design of door with rounded corners.

FDA-approved **silicone seal** guaranteeing optimal performance and easy cleaning.

cURus certification (with transparent polycarbonate sheet, 4 mm thickness, with UL approval).

On request: customised dimensions, manufacture in AISI 316L (Wnr 1.4404) stainless steel, stainless-steel locks.

IP66 and IP69K protection rating.



Model	Code	External dimensions in mm			LEXAN opening		Usable area	
		W	H	D	I	J	E	F
FPDH 50 50	FY0500500030001	500	500	30	380	330	380	330
FPDH 50 60	FY0500600030001	500	600	30	380	430	380	430
FPDH 60 50	FY0600500030001	600	500	30	480	330	480	330
FPDH 60 60	FY0600600030001	600	600	30	480	430	480	430

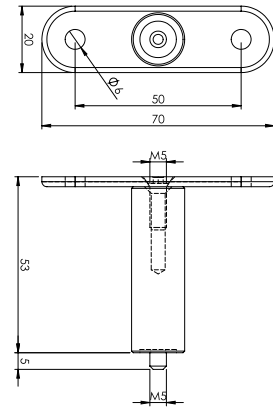
Tables list the most popular models. IRINOX can produce FPDH windows with a spacing of 10 mm, minimum dimensions of 300 mm x 300 mm x 30 mm, and maximum dimensions of 600 mm x 600 mm x 30 mm.

SPACERS

M5 WALL-MOUNTED SUPPORT SPACERS

Code	Description
Q4SV00023500195	Support spacers in AISI 304L (Wnr 1.4307) stainless-steel for M5 screws. Kit with 2 wall-mounted spacers.

Only compatible with ADH and APH.

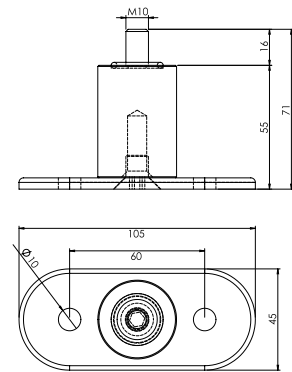


M10 WALL-MOUNTED SPACERS

Stainless-steel support spacers for M10 bushes.

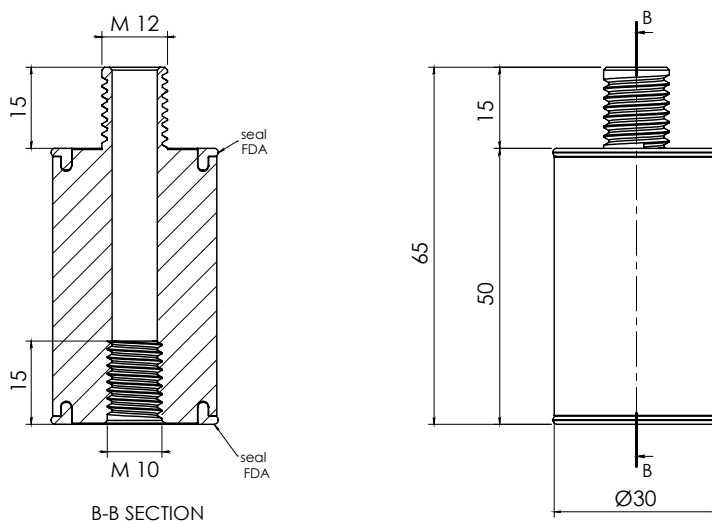
Code	Description
Q4SV00023500199	Kit with 4 stainless-steel brackets.

Only compatible with EKOH.



HYGIENIC SPACERS

Hygienic spacers in AISI 304 (Wnr 1.4301) stainless steel with double FDA-approved silicone seal.



Code	Description
Q4SV00023501020	Kit with 1 spacer, series HY H=50

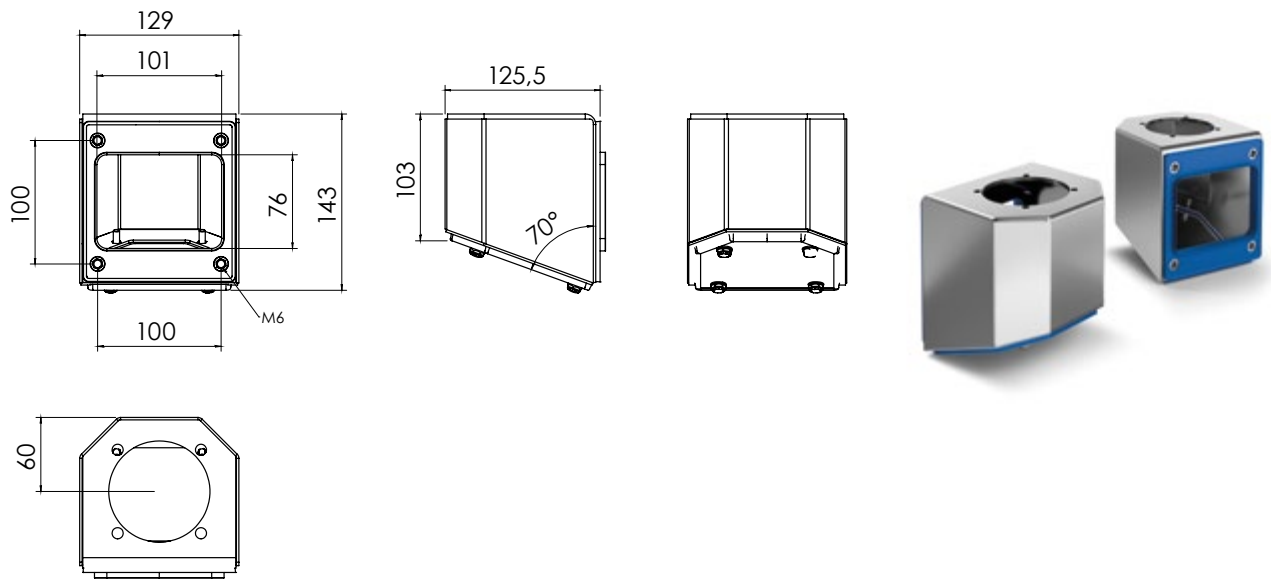
Can only be applied to products after drilling rear of the product.

Accessories must always be specified during quote and order phase.



SUPPORTS

SBVH HYGIENIC ARM SUPPORT

Hygienic support for arm in AISI 304L (Wnr 1.4301) stainless steel with FDA-approved silicone seal.
Can be mounted on the wall, on machinery or on EKOPH hanging control unit (key accessory for this product).
Cover with seal on lower section, mounted using screws with FDA-approved O-rings on under-head.
Supplied with seal for attaching joining on wall, including cut-proof profile to protect cables.
Fastening with M6 screws. IP66 and IP69K guaranteed protection ratings. UR certification.
Compatible with SGG21 110 and SGG21 94 joints, to be specified in order phase.



CLOSURE SYSTEMS

Code	Description
013707200	Hygienic AISI 316 (Wnr 1.4404) stainless-steel closure with budget lock. 
013706710	Hygienic Key with budget lock. 



PUSH BUTTON
AND TERMINAL
BOXES

ENCLOSURES

MODULAR CABINETS

COMPACT CABINETS

HANGING SYSTEMS,
CONTROL CONSOLES AND
PULPITS

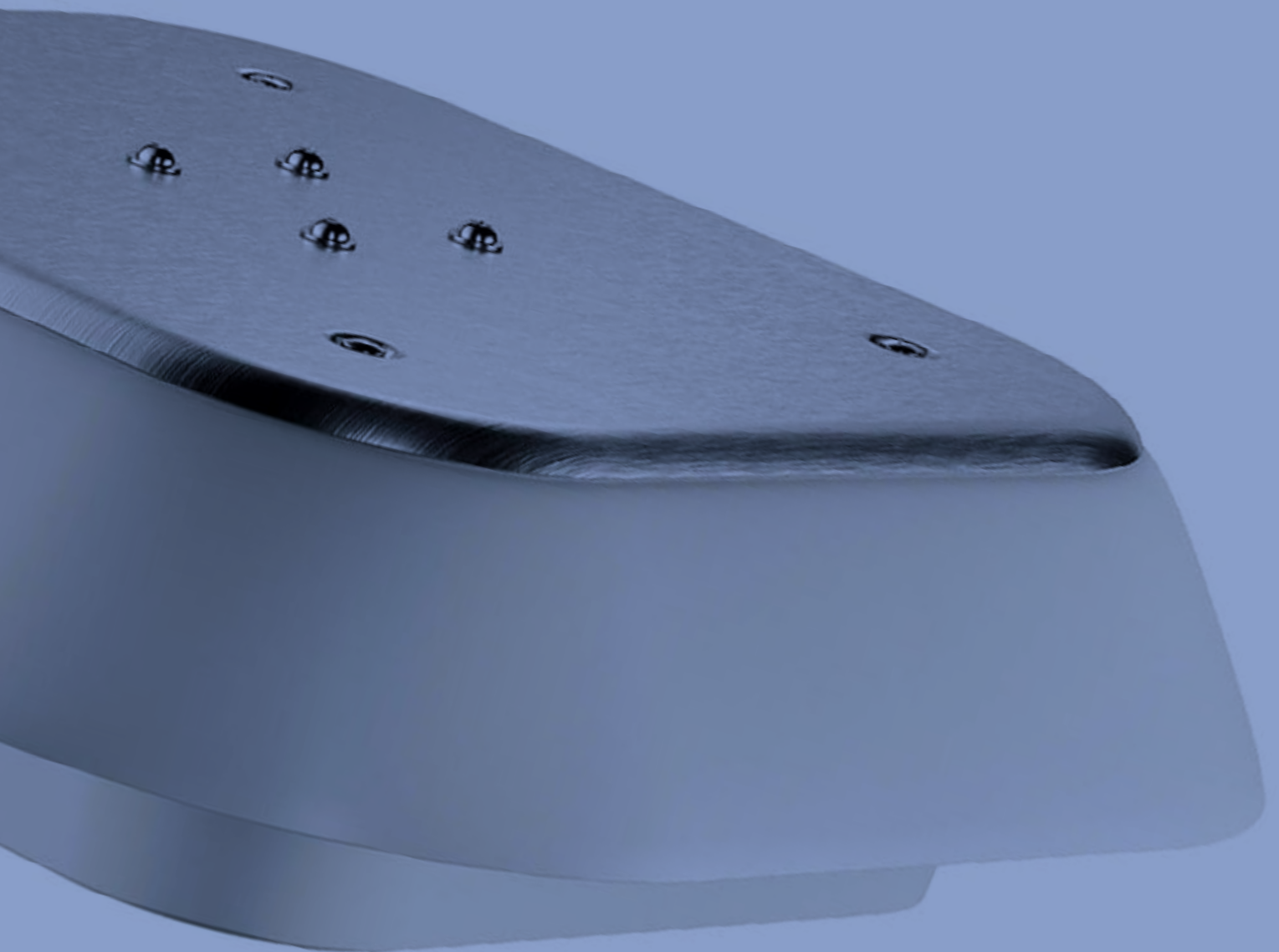
HYGIENIC LINE

AIR-CONDITIONING
SYSTEMS, VENTILATION
AND OTHER ACCESSORIES

EXPRESS WAREHOUSE

AIR-CONDITIONING SYSTEMS, VENTILATION AND OTHER ACCESSORIES

Solutions for customised designs produced to customer specifications and requirements, guaranteeing correct functioning of components installed inside electrical enclosures.



AIR CONDITIONING

- 150 WALL AND DOOR-MOUNTED AIR CONDITIONERS
SERIES KCVE

- 152 **MODEL KCVE05**
- 153 **MODEL KCVE08**
- 154 **MODEL KCVE15**
- 155 **MODEL KCVE20**
- 156 TOP-MOUNTED AIR-CONDITIONERS
SERIES KETE
- 157 **MODEL KETE09**
- 157 **MODEL KETE14**

VENTILATION

- 158 **FILTER GROUP**
SERIES KFF

- 163 **TOP-MOUNTED FAN UNIT**
SERIES KTP
- 164 **AXIAL VENTILATION**
SERIES S
- 166 **ANTI-CONDENSATION HEATERS**
- 168 **THERMOSTATS**
- 169 **SENSIS**
SERIES KSNS
- 170 **THERMOELECTRIC UNITS**
SERIES KTCU

OTHER ACCESSORIES

- 172 **ARMS**
- 176 **LED DEVICES**
- 178 **OTHER ACCESSORIES**



EXPRESS WAREHOUSE

Committed to also supporting customers with unexpected requirements, IRINOX has developed an additional service to optimise supply times.

To consult the wide range of items available in the IRINOX warehouse, including all accessories for AIR-CONDITIONING and VENTILATION SYSTEMS

→ **GO TO PAGE 182**

WALL AND DOOR-MOUNTED AIR CONDITIONERS **SERIES KCVE**

Exterior cover: as standard in AISI 304 (Wnr 1.4301) stainless steel/
on request in AISI 316 (Wnr 1.4404) stainless steel

Rear panel and internal structure in FeZn

Refrigeration capacity: 550/2000 W

XCB electronic board + display: new controller featuring electronic
board located in evaporator compartment and display

General-alarm and remote-control contacts as standard

General alarm with change-over contact

Normally Open or Normally Closed

Test/approval procedure activated from display

SMART ENERGY MANAGEMENT (SEM): software control enabling
turning off of fan/evaporator in presence of low internal temperature
and period temperature control

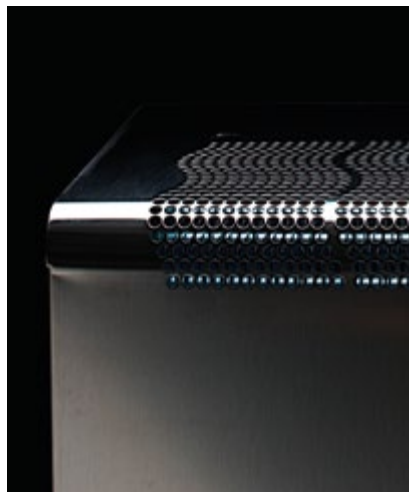
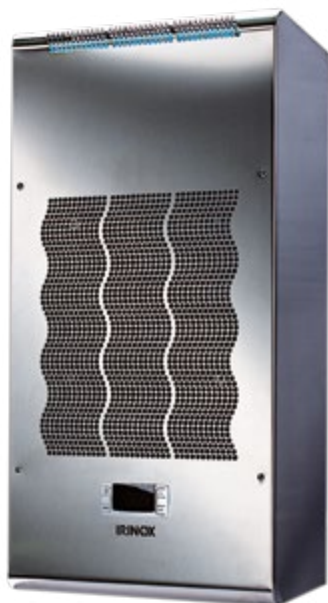
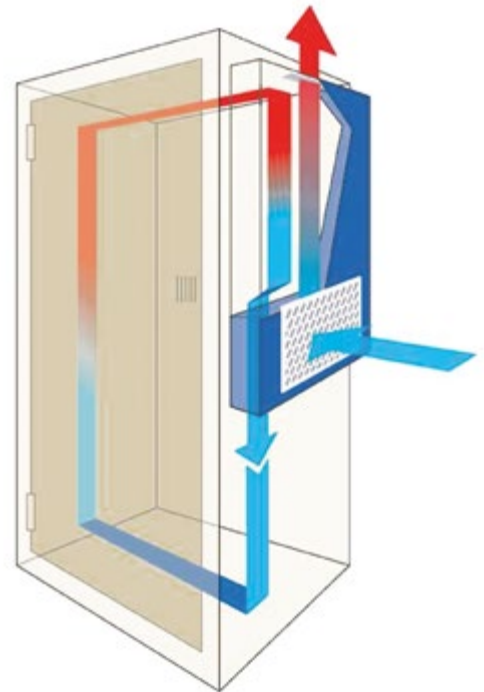
Condenser and condensation dissipator: from model KCV11

Quick connections (CE version): see next page

Easy installation: two inserts for easy positioning of unit on wall of
electrical enclosure

IP protection rating in accordance with EN 60529:

External circuit IP34/Internal circuit IP54

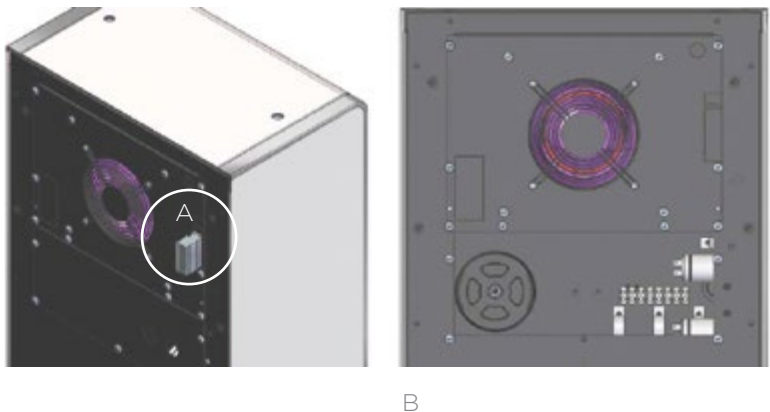


DETAIL OF ELECTRICAL CONNECTIONS

Quick connection (WAGO connector) for CE models, new 9-pole connector in the upper part of the air conditioner.

A/WAGO connector.

B/Terminal-block connection at rear (inside) for UL Listed models.



LIST OF MODELS

Code	Power W	Power supply V - ph - Hz
KCVE0500220800I	550/580	230 - 1 - 50/60
KCVE0800220800I	850/900	230 - 1 - 50/60
KCVE1500220800I	1500/1600	230 - 1 - 50/60
KCVE2000220800I	2100/2200	230 - 1 - 50/60
KCVE1500228800I	1400/1500	400 - 2 - 50/460 - 2 - 60
KCVE2000261800I	2000/2100	400 - 3 - 50/460 - 3 - 60

UL model codes	Power W	Power supply V - ph - Hz
KCVE05U120380	580	115 - 1 - 60
KCVE08U120380	900	115 - 1 - 60
KCVE15U120380	1600	115 - 1 - 60
KCVE20U126280	2100	400 - 3 - 50/460 - 3 - 60

EXAMPLE OF ID PLATE SERIAL NUMBER



CERTIFICATIONS - PROTECTION RATING

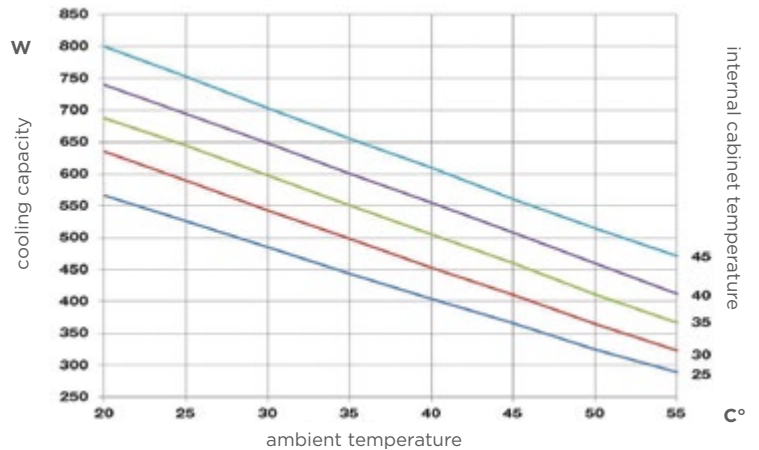
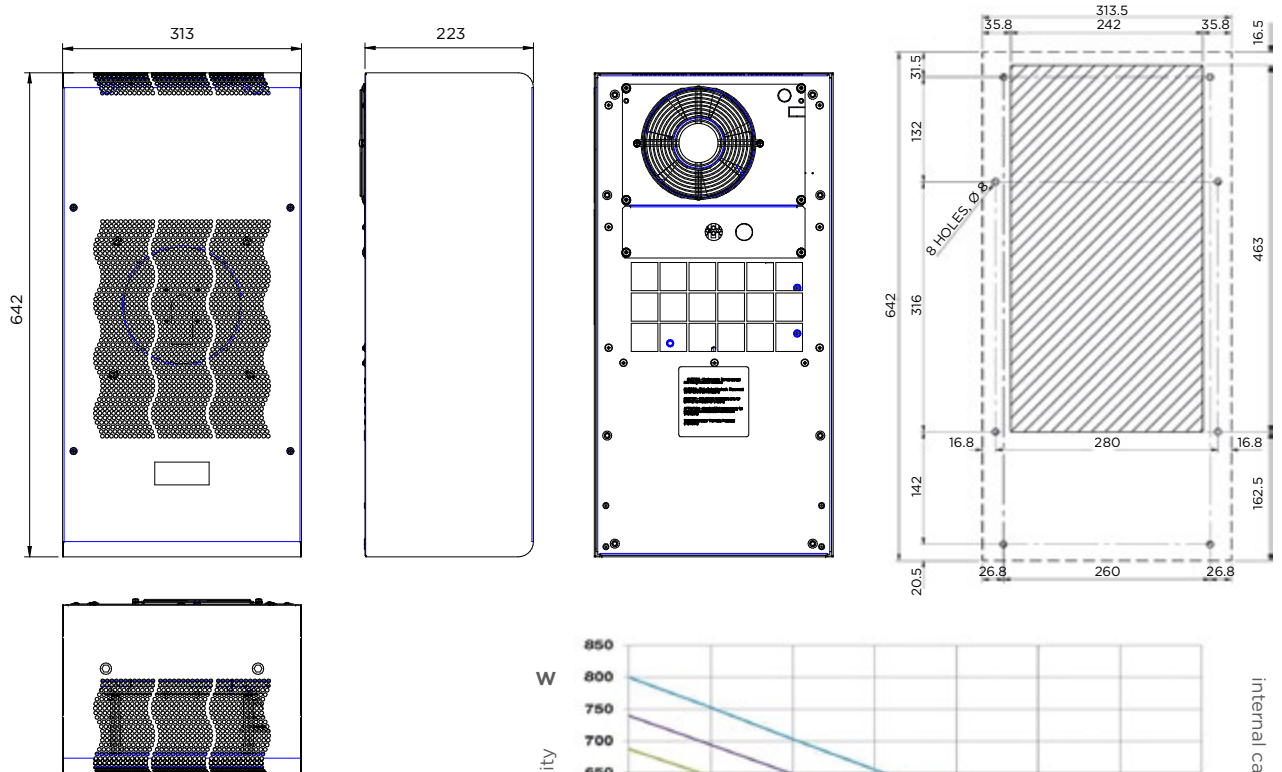
The product is considered as a finished product, and no longer as part of the system (UL recognised).

Product with Listed status saves time and money for subsequent approval procedures.

NEMA Type 12 protection rating for indoor use (models KCVE).

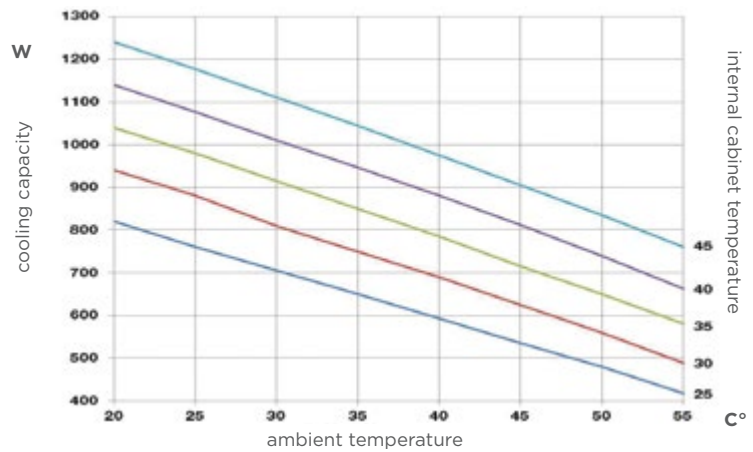
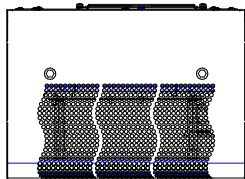
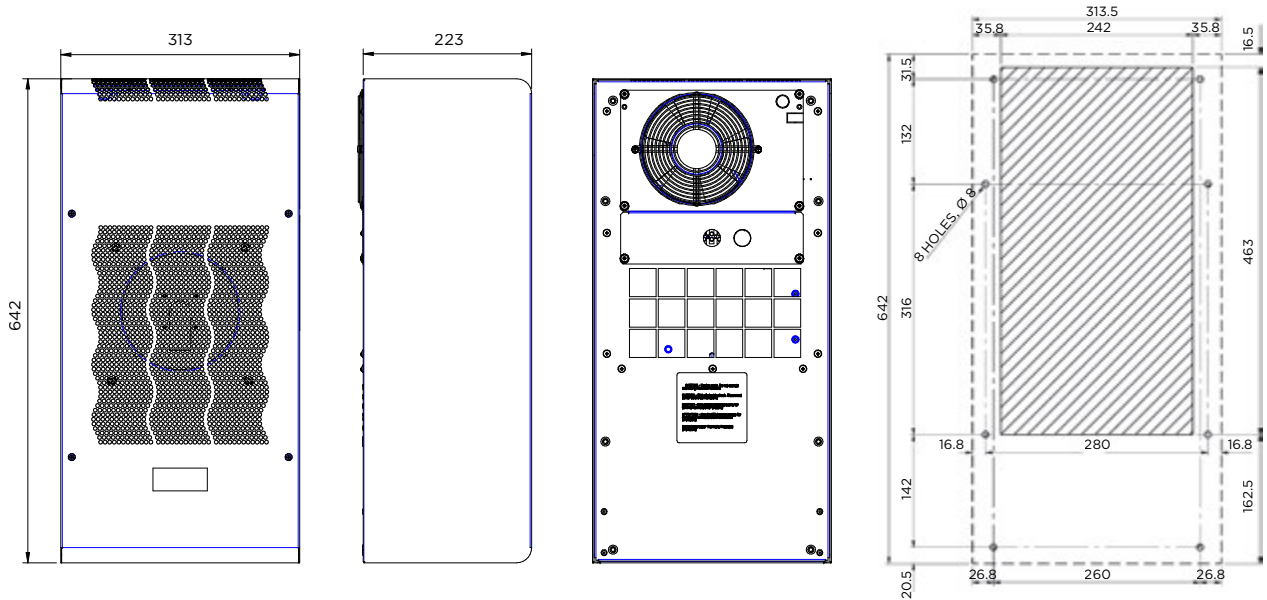


WALL-MOUNTED AIR CONDITIONER MODEL KCVE05



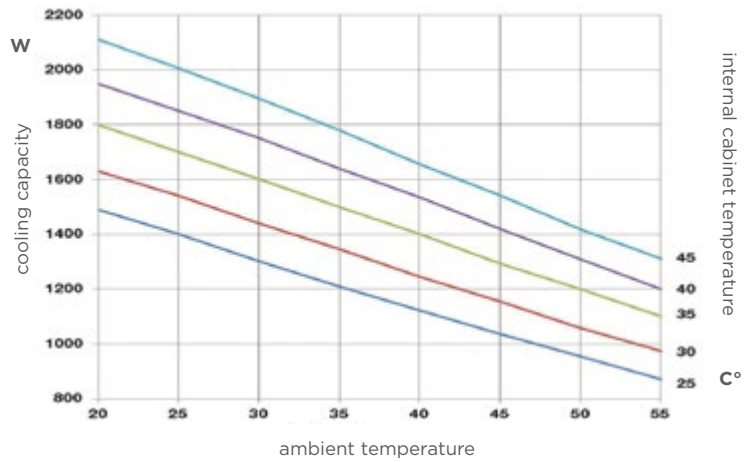
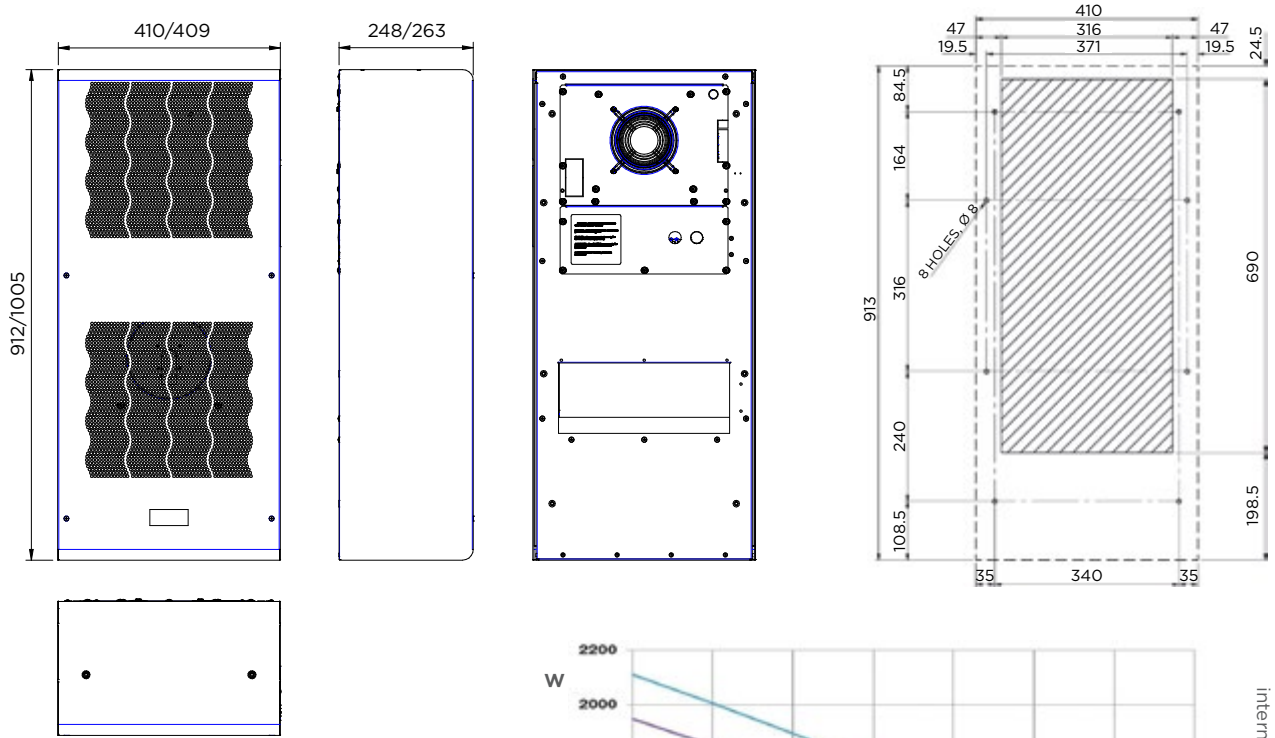
	Unit of measure	KCVE0500220800I	KCVE05U120380
Power supply	V - ph - Hz	230-1-50/60	115-1-60
Cooling power L35L35	W	550 - 580	580
Cooling power L35L50	W	410 - 430	430
Height/Width/Depth	mm	642 x 313 x 223	642 x 313 x 223
Max. current, operational	A	1.4/1.6	4.7
Current absorbed on start-up	A	7.5	17
T fuse	A	4	15
Power absorbed L35L50	W	320 - 390	390
Cabinet ventilation air flow	m ³ /h	164 - 195	195
Temperature regulation limits	°C	+25/+45	+25/+45
Temperature limits, ambient side	°C	+20/+55	+20/+55
Cabinet-side protection	IP/Type	54/ -	- / 12
Noise	dB(A)	61	61
Weight	kg	23	23

WALL-MOUNTED AIR CONDITIONER MODEL KCVE08



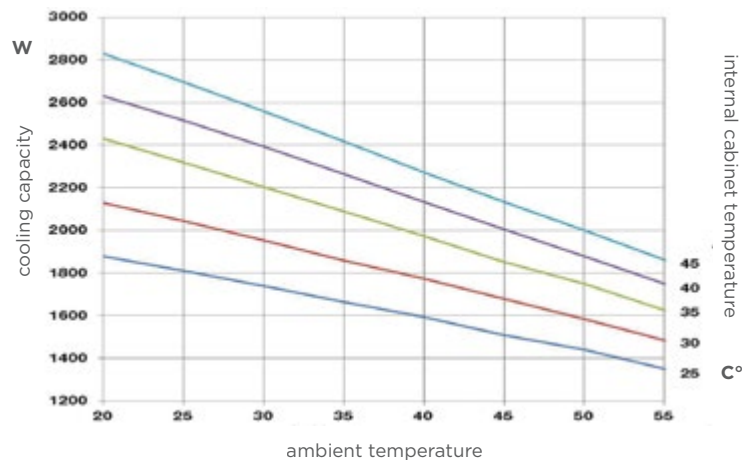
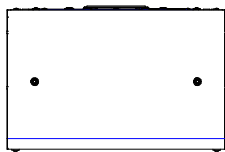
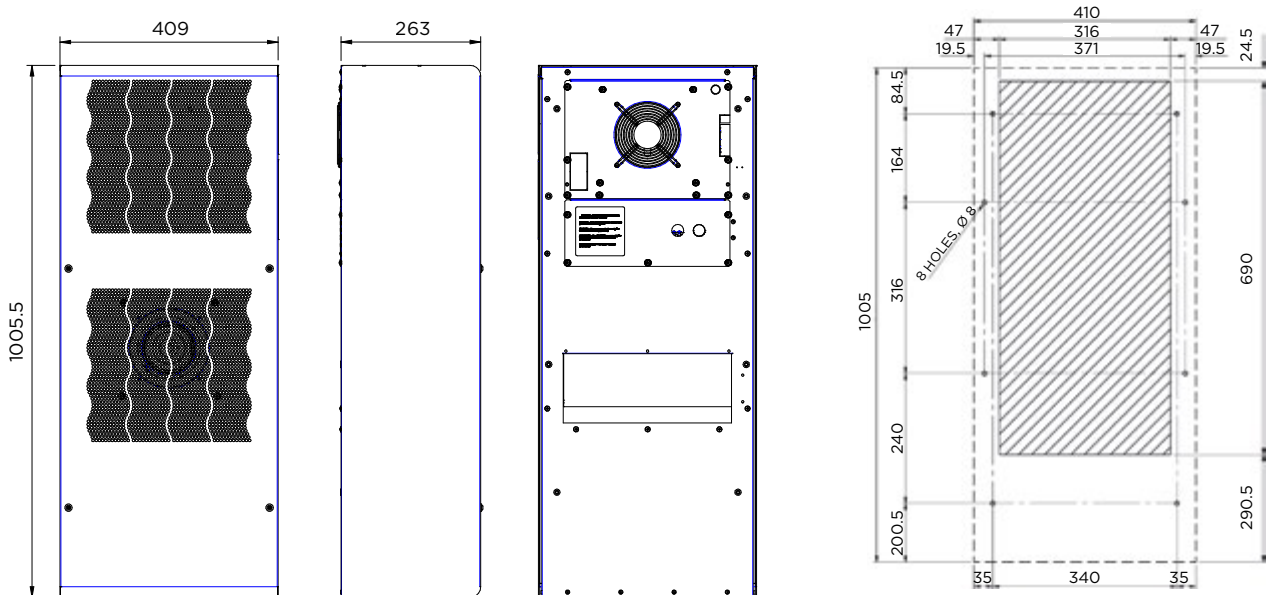
	Unit of measure	KCVE0800220800I	KCVE08U120380
Power supply	V - ph - Hz	230-1-50/60	115-1-60
Cooling power L35L35	W	850-900	900
Cooling power L35L50	W	620-700	700
Height/Width/Depth	mm	642 x 313 x 223	642 x 313 x 223
Max. current, operational	A	2.6/2.7	7.2
Current absorbed on start-up	A	20	28
T fuse	A	6	15
Power absorbed L35L50	W	420-600	600
Cabinet ventilation air flow	m ³ /h	340-356	390
Temperature regulation limits	°C	+25/+45	+25/+45
Temperature limits, ambient side	°C	+20/+55	+20/+55
Cabinet-side protection	IP/Type	54 / -	- / 12
Noise	dB(A)	64	64
Weight	kg	27	27

WALL-MOUNTED AIR CONDITIONER MODEL KCVE15



	Unit of measure	KCVE1500220800I	KCVE1500228800I	KCVE15U120380
Power supply	V - ph - Hz	230-1-50/60	400-2-50/460-2-60	115-1-60
Cooling power L35L35	W	1500-1600	1400-1500	1600
Cooling power L35L50	W	1200-1280	1150-1200	1280
Height/Width/Depth	mm	912 x 410 x 248	912 x 410 x 248	912 x 410 x 248
Max. current, operational	A	3.9/4.3	2.5/2.6	9.4
Current absorbed on start-up	A	28	110	50
T fuse	A	8	6	15
Power absorbed L35L50	W	750-825	750-825	825
Cabinet ventilation air flow	m ³ /h	540-580	540-580	580
Temperature regulation limits	°C	+25/+45	+25/+45	+25/+45
Temperature limits, ambient side	°C	+20/+55	+20/+55	+20/+55
Cabinet-side protection	IP/Type	54 / -	54 / -	- / 12
Noise	dB(A)	65	65	65
Weight	kg	46	53	46

WALL-MOUNTED AIR CONDITIONER MODEL KCVE20



	Unit of measure	KCVE2000220800I	KCVE2000261800I	KCVE20U126280
Power supply	V - ph - Hz	230-1-50/60	400-3-50/460-3-60	400-3-50/460-3-60
Cooling power L35L35	W	2100-2200	2000-2100	2100
Cooling power L35L50	W	1750-1850	1700-1800	1800
Height/Width/Depth	mm	1005 x 409 x 263	1005 x 409 x 263	1005 x 409 x 263
Max. current, operational	A	4.8/5.5	2.5/2.7	3.62
Current absorbed on start-up	A	34	22	22
T fuse	A	10	6	15
Power absorbed L35L50	W	1120-1240	1100-1200	1200
Cabinet ventilation air flow	m ³ /h	540-580	890-930	930
Temperature regulation limits	°C	+25/+45	+25/+45	+25/+45
Temperature limits, ambient side	°C	+20/+55	+20/+55	+20/+55
Cabinet-side protection	IP/Type	54 / -	54 / -	- / 12
Noise	dB(A)	69	69	69
Weight	kg	48	48	48

TOP-MOUNTED AIR CONDITIONERS SERIES KETE

Top-mounted air conditioners

Exterior cover: as standard in AISI 304 (Wnr 1.4301) stainless steel /
on request in AISI 316 (Wnr 1.4404) stainless steel

Rear panel and internal structure in FeZn

ECB digital thermostat

Condensation dissipator: on model KETE140022870

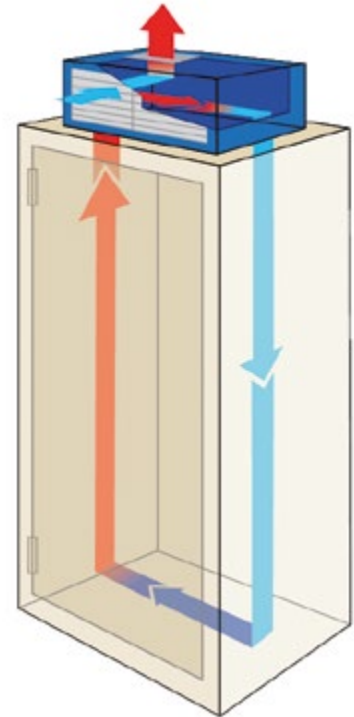
Condensation-tank-full alarm contact:
on model KETE090122070

Quick connections: (CE version) with 9-pole connector

Option to invert thermostat position:
for model KETE140022870

General-alarm and remote-control contacts

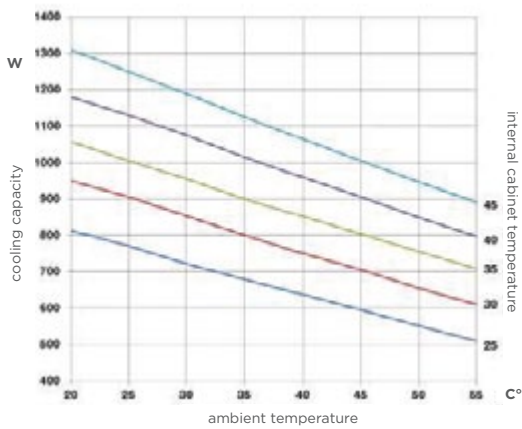
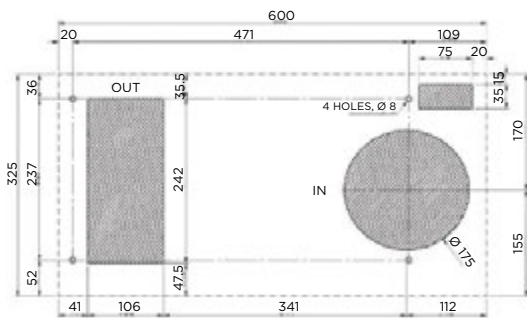
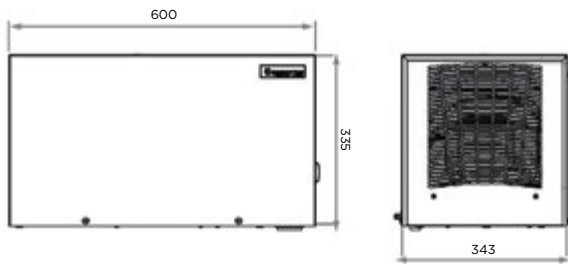
IP protection rating in accordance with EN 60529:
External circuit IP34/Internal circuit IP54



LIST OF MODELS

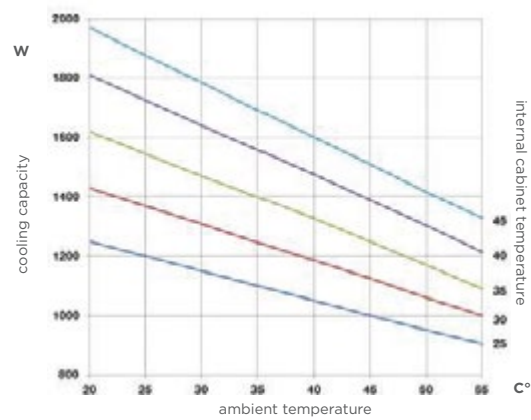
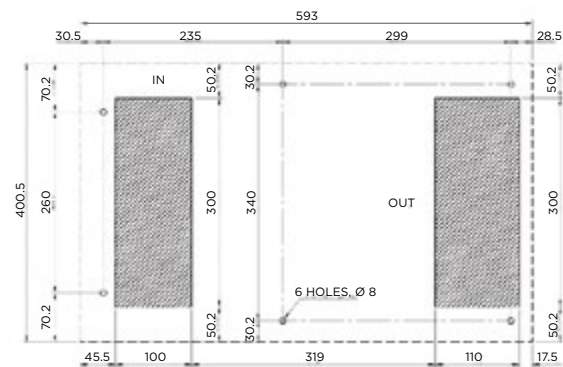
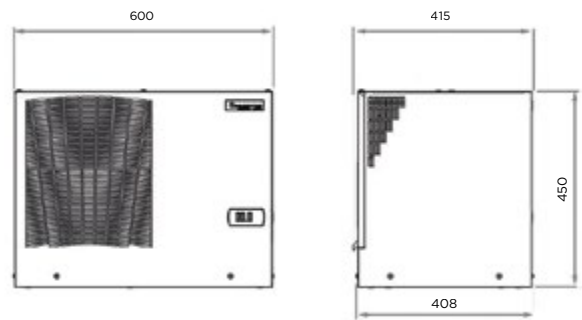
Code	Power W	Power supply V - ph - Hz
KETE09012207001	900	230 - 1 - 50/60
KETE14002287001	1400	400 - 2 - 50/460 - 2 - 60

TOP-MOUNTED AIR CONDITIONER MODEL KETE09



	Unit of measure	KETE09012207001
Power supply	V - ph - Hz	230-1-50/60
Cooling power L35L35	W	900
Cooling power L35L50	W	760
Height/Width/Depth	mm	335x600x325
Max. current, operational	A	3.2
Current absorbed on start-up	A	15
T fuse	A	6
Power absorbed L35L50	W	630
Cabinet ventilation air flow	m ³ /h	575
Temperature regulation limits	°C	25/45
Temperature limits, ambient side	°C	20/55
Cabinet-side protection	IP/Type	54
Noise	dB(A)	67
Weight	kg	31.5

TOP-MOUNTED AIR CONDITIONER MODEL KETE14



	Unit of measure	KETE14002287001
Power supply	V - ph - Hz	400-2-50 460-2-60
Cooling power L35L35	W	1400
Cooling power L35L50	W	1170
Height/Width/Depth	mm	450x600x400
Max. current, operational	A	2.8
Current absorbed on start-up	A	31
T fuse	A	10
Power absorbed L35L50	W	950
Cabinet ventilation air flow	m ³ /h	575
Temperature regulation limits	°C	25/45
Temperature limits, ambient side	°C	20/55
Cabinet-side protection	IP/Type	54
Noise	dB(A)	58
Weight	kg	53

FILTER GROUP

SERIES KFF



Quick installation

The KFF filter group is installed without screws, simply by pressing it into the space on the enclosure.



Innovative securing clip

Created in material with high level of elasticity, for securing on metal sheet from 1 to 2.5 mm thickness.



Improved water resistance

The seal between base and cover has been replaced with ribs that promote movement of water towards the exterior.



Easy slide opening

Removing and replacing the cover on the base features a slide-and-click system.



Effective safety

The filter can be replaced from outside, without the need for any tools.



Hidden seal

Dedicated perimeter housing for seal between filter group and enclosure.

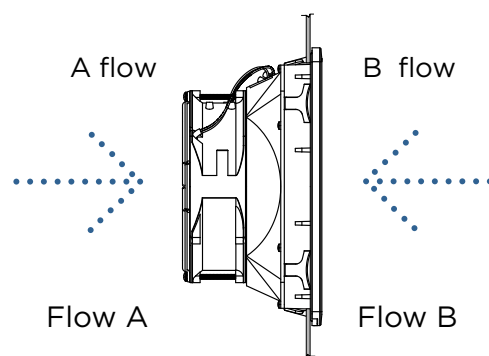


Code	Model	Voltage (V)	Freq. (Hz)	Absorp. (mA)	Power (W)	Outward air flow (m ³ /h)**	Fan noise [dB(A)]	Total weight (kg)	Temperature range (°C)	Certifications
K0011000	KFF08 230	230 V a.c.	50/60	62/50	10/8.0	12/15	33.0/38.0	0.47	-10 ~ +55	CE cURus
K0011010	KFF08R 230	230 V a.c.	50/60	63/52	10/8.0	16/21	33.0/38.0	0.47	-10 ~ +55	CE cURus
K0011020	KFF08G 24	24 V d.c.	-	610	15	50	59.0	0.42	-10 ~ +55	CE cURus
K0011030	KFF08GR 24	24 V d.c.	-	710	17	60	59.0	0.42	-10 ~ +55	CE cURus
K0011040	Filter KFF08							0.1	-10 ~ +60	CE cURus
K0011050	KFF12 230	230 V a.c.	50/60	110/100	18/17	45/50	49.0/49.0	0.83	-10 ~ +55	CE cURus
K0011060	KFF12R 230	230 V a.c.	50/60	110/100	18/17	47/52	48.0/54.0	0.83	-10 ~ +55	CE cURus
K0011070	KFF12 24	24 V d.c.	-	310	7.4	47	42.5	0.54	-10 ~ +55	CE UR
K0011080	KFF12R 24	24 V d.c.	-	310	7.4	64	42.5	0.54	-10 ~ +55	CE UR
K0011090	Filter KFF12							0.19	-10 ~ +60	CE cURus
K0011100	KFF15 230	230 V a.c.	50/60	140/150	32/36	230/270	50.0/55.0	1.8	-10 ~ +55	CE cURus
K0011110	KFF15R 230	230 V a.c.	50/60	140/160	32/36	245/290	50.0/55.0	1.8	-10 ~ +55	CE cURus
K0011120	KFF15 24	24 V d.c.	-	1300	31	275	60.0	1.7	-10 ~ +55	CE cURus
K0011130	KFF15R 24	24 V d.c.	-	1300	31	295	60.0	1.7	-10 ~ +55	CE cURus
K0011240	KFF15P 230	230 V a.c.	50/60	110/100	18/17	105/120	46.0/49.0	1.5	-10 ~ +55	CE cURus
K0011250	KFF15PR 230	230 V a.c.	50/60	110/100	18/17	110/120	46.0/49.0	1.5	-10 ~ +55	CE cURus
K0011140	Filter KFF15							0.57	-10 ~ +60	CE cURus
K0011150	KFF20 230	230 V a.c.	50/60	310/350	70/85	455/503	57.0/60.0	3.6	-10 ~ +55	CE cURus
K0011160	KFF20R 230	230 V a.c.	50/60	310/350	70/85	540/590	57.0/60.0	3.6	-10 ~ +55	CE cURus
K0011170	KFF20G 230	230 V a.c.	50/60	530/690	120/158	680/765	67.0/71.0	4.68	-10 ~ +55	CE cURus
K0011180	KFF20GR 230	230 V a.c.	50/60	530/690	120/157	760/860	67.0/71.0	4.49	-10 ~ +55	CE cURus
K0011190	Filter KFF20							0.96	-10 ~ +60	CE cURus

Legend: R = Reverse flow

GENERAL SPECIFICATIONS

- Installation without screws in square opening, as per drilling diagram
- Sheet metal thickness between 1 and 2.5 mm
- Plastic parts in PC/ABS, with exception of elastic clips in PA66 GF13HSL
- Standard colour grey RAL 7035
- Polyurethane foam seal positioned on machinery
- Filter in thermo-bonded synthetic fibre with progressive density
 - › the filters can be cleaned up to ten times by washing, blowing and beating
 - › replacement filters supplied on request
- Fans on shielded self-lubricating ball bearings
- Standard protection rating IP54 in accordance with EN 60529 and Type 12 in accordance with UL 50
- Standard air flow from outside to inside of casing (Flow B)
 - › Flow A available on request (option R)

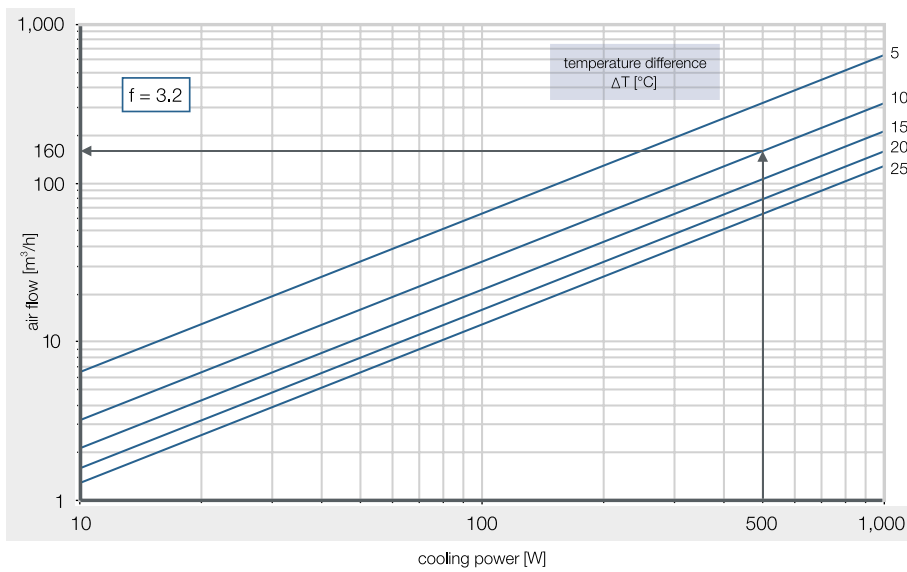


TECHNICAL NOTES

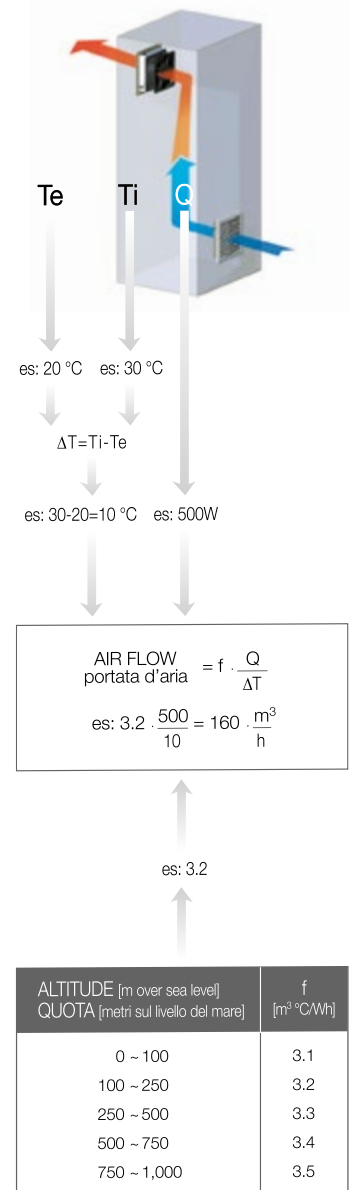
Sizing

It is assumed that the desired air temperature within the cabinet is greater than the ambient temperature. The difference between the internal temperature and the external temperature is referred to as ΔT and is always positive.

The value for the desired air flow of the fan with filter is derived from the ratio between the thermal power to be dissipated and ΔT , all multiplied by a thermal-exchange coefficient f that takes into account the specific heat and density of the air, which varies with altitude.



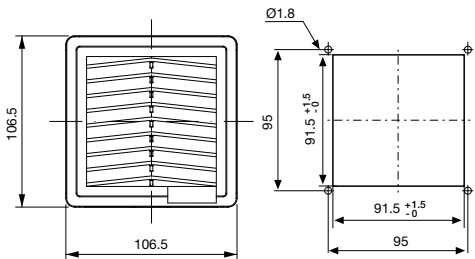
Legend:
 Ti = desired temperature within the cabinet
 Te = external temperature (ambient)
 ΔT = difference between temperature inside the cabinet and external ambient temperature
 Q = active thermal power dissipated within the cabinet
 f = thermal exchange coefficient



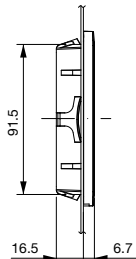
FILTER GROUP KFF08 SERIES KFF

TECHNICAL SPECIFICATIONS/DRILLING DIAGRAMS

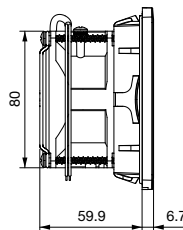
KFF 08



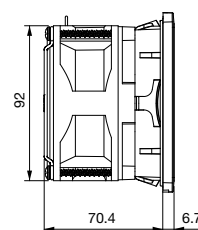
FILTER KFF 08



KO011000
KO011010



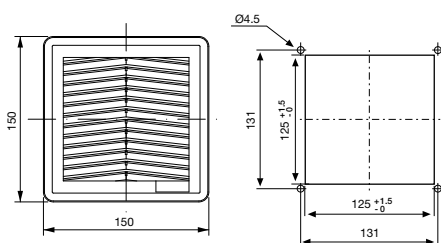
KO011020
KO011030



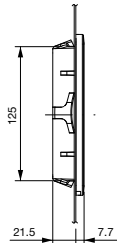
FILTER GROUP KFF12 SERIES KFF

TECHNICAL SPECIFICATIONS/DRILLING DIAGRAMS

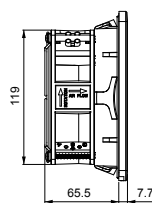
KFF 12



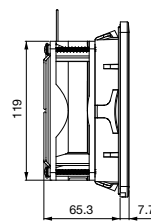
FILTER KFF 12



KO011050
KO011060



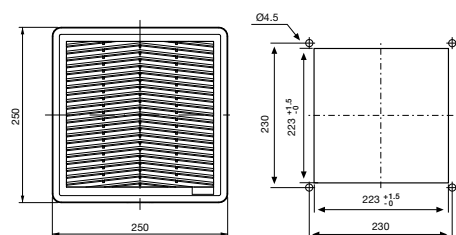
KO011070
KO011080



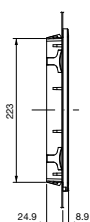
FILTER GROUP KFF15 SERIES KFF

TECHNICAL SPECIFICATIONS/DRILLING DIAGRAMS

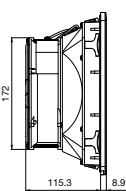
KFF 15



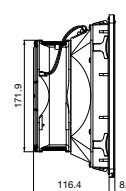
FILTER KFF 15



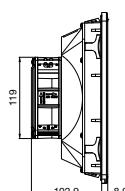
KO011100
KO011110



KO011120
KO011130



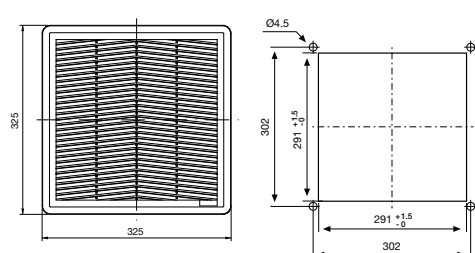
KO011240
KO011250



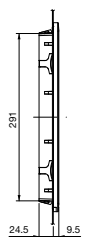
FILTER GROUP KFF20 SERIES KFF

TECHNICAL SPECIFICATIONS/DRILLING DIAGRAMS

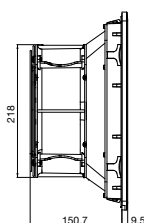
KFF 20



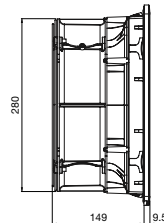
FILTER KFF 20



KO011150
KO011160



KO011170
KO011180



ACCESSORIES

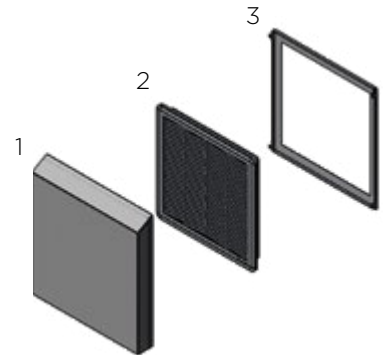
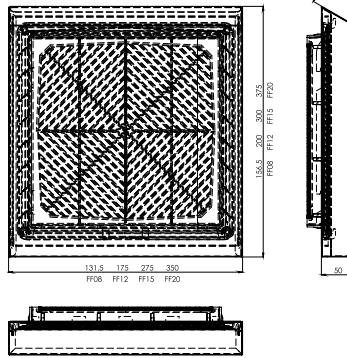
STAINLESS-STEEL GRILLE

Code	Description
K0012010	Stainless-steel grille for KFF 08
K0012020	Stainless-steel grille for KFF 12
K0012030	Stainless-steel grille for KFF 15
K0012040	Stainless-steel grille for KFF 20



STAINLESS-STEEL COVER

Code	Description
K0014010	Cover for KFF 08
K0014020	Cover for KFF 12
K0014030	Cover for KFF 15
K0014040	Cover for KFF 20



1 = cover
2 = fan or filter unit
3 = cover holder

STAINLESS-STEEL COVER WITH HYGIENIC SEAL

Code	Description
K0014010H	Cover for KFF08
K0014020H	Cover for KFF12
K0014030H	Cover for KFF15
K0014040H	Cover for KFF20



STAINLESS-STEEL COVER WITH HYGIENIC SEAL - UL CERTIFIED

Code	Description
K0014020UL	Cover for KFF12
K0014030UL	Cover for KFF15
K0014040UL	Cover for KFF20



IP55 FILTER

Code	Description
K0013010	Filter for KFF 12 IP55
K0013020	Filter for KFF 15 IP55
K0013030	Filter for KFF 20 IP55



The codes in the table above include a 6-piece kit.

TOP-MOUNTED FAN UNIT

SERIES KTP

Top-mounted extractor-fan units are used for direct extraction of heat from the upper part of the cabinet, promoting internal air flow.

These top-mounted fan units are equipped with high-flow radial fans and can be combined with an air-emission filter to minimise ingress of dust.

The "TP" series is compact and features standard wiring with terminal block.

The main structure is in a plastic material and the upper part is in aluminium.



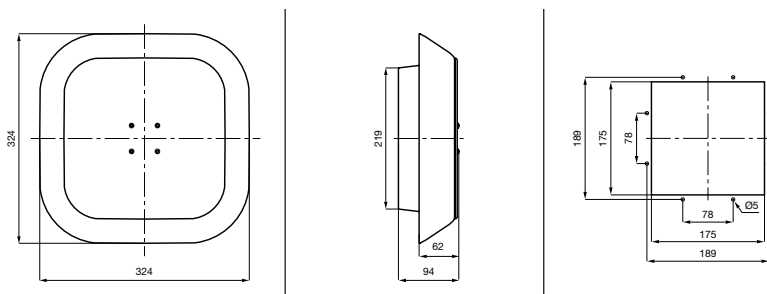
GENERAL SPECIFICATIONS

- Installation with no. 8 Ø4x16 mm screws for thermoplastic material in square opening like that in the drilling diagram
- Plastic parts in PC/ABS and aluminium. All self-extinguishing in accordance with UL 94V-0
- Polyurethane foam seal positioned on machinery
- IP55 standard protection rating in accordance with EN 60529

TECHNICAL DETAILS

Code	Model	Voltage (V)	Freq. (Hz)	Absorp. (mA)	Power (W)	Outward air flow (m ³ /h)**	Fan noise [dB(A)]	Total weight (kg)	Temperature range (°C)	Certifications
K0011230	KTP19 230	230 V a.c.	50/60	309/360	70/83	420/460	67.9/71.0	2.20	-10 ~ +60	CE cURus

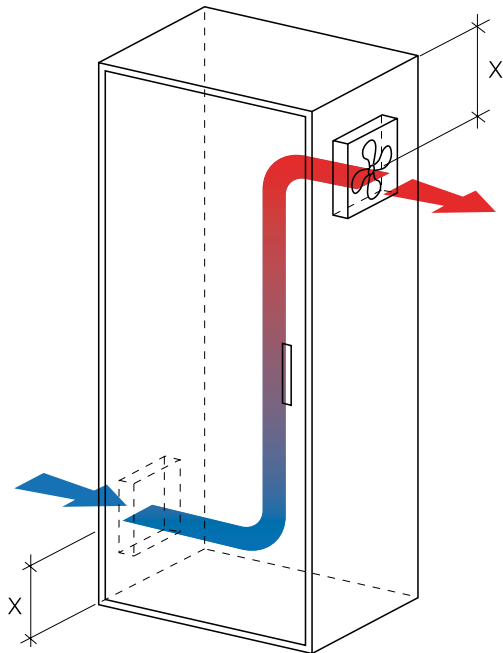
TECHNICAL SPECIFICATIONS



AXIAL VENTILATION

SERIES S

Application of a thermal-exchange system to promote optimal functioning of devices, and to maintain a protection rating of the enclosure that is appropriate for its location, is achieved using these accessories equipped with protection labyrinth. The ventilation system is composed of a AISI 304L stainless-steel cover (wall/top mounted), stainless-steel filter holder and fan. IP55 protection rating, EN 60 529/10.91.



X (std spacers) =
250 mm for S 5900, S 5600, S 7000
300 mm for S 6000



Code	Model	Ext. dim. mm			Voltage V-Hz	Air flow m ³ /h	Power W	Noise (A)	Operating temp. °C
		W	H	D					
013703710	S 5900	127	127	38	230-50/60	180/204	17/15	46/50	-40/+70
KD13B05HWBA51					24 DC	246	9.84	53.3	-10/+70
013703910					115-50/60	175/204	14/12	46/50	-40/+70
013703711	S 5600	135	135	38	230-50/60	180/204	17/15	46/50	-40/+70
013703811					24 DC	246	9.84	53.3	-10/+70
013703911					115-50/60	175/204	14/12	46/50	-40/+70
013703712	S 7000	172	150	38	230-50/60	300/360	27/26	54/58	-40/+70
013703812					24 DC	450	24	60	-10/+70
013703912					115-50/60	300/360	29/28	54/58	-40/+70
013703713	S 6000	172	172	51	230-50/60	348/384	29/29	53/58	-40/+70
013703813					24 DC	450	24	60	-10/+70
013703913					115-50/60	300/360	29/28	54/58	-40/+70

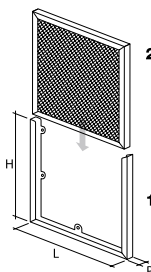
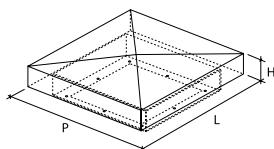
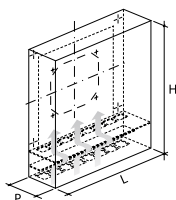
Code	Model	Dimensions mm			kg	m ³
		W	H	D		
013703010	IP55 stainless-steel wall-mounted cover for S 5900	190	220	40	1.0	0.003
013703011	IP55 stainless-steel wall-mounted cover for S 5600	265	300	60	1.5	0.007
013703012	IP55 stainless-steel wall-mounted cover for S 7000	315	345	60	2.0	0.008
013703013	IP55 stainless-steel wall-mounted cover for S 6000	380	410	60	2.5	0.010
Q4CU00023500065	IP55 stainless-steel chimney cover for 5900	384	100	431	5.5	0.02
Q4CU00023500063	IP55 stainless-steel chimney cover for 5600	384	100	431	5.5	0.02
Q4SV00023500300	IP55 stainless-steel chimney cover for 7000	384	100	431	5.5	0.02
Q4CU00124300004	IP55 stainless-steel chimney cover for 6000	384	100	431	5.5	0.02
013703455	Stainless-steel filter holder + filter for S 5900 (1)	150	150	20	0.5	0.001
013703465	Stainless-steel filter holder + filter for S 5600/S 7000 (1)	268	268	20	0.5	0.001
013703475	Stainless-steel filter holder + filter for S 6000 (1)	335	335	20	0.5	0.001
4000280	Replacement filter with stainless-steel frame for S 5900 (2)	146	146	14	0.5	0.001
4000290	Replacement filter with stainless-steel frame for S 5600/S 7000 (2)	265	265	14	0.5	0.001
4000300	Replacement filter with stainless-steel frame for S 6000 (2)	331	331	14	0.5	0.001

All information may be subject to changes without prior announcement.

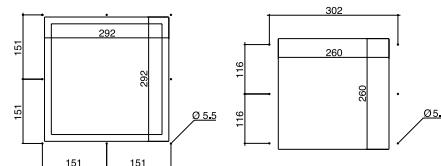
TECHNICAL SPECIFICATIONS

For depth **600**

For depth **400**



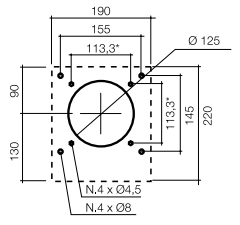
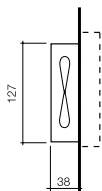
DRILLING DIAGRAM, CHIMNEY FAN



DRILLING DIAGRAM, WALL-MOUNTED FAN AND COVER

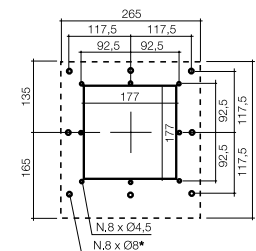
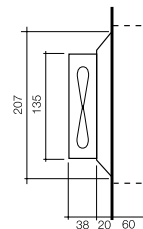
S5900

L = W (width)
H = H (height)
P = D (depth)

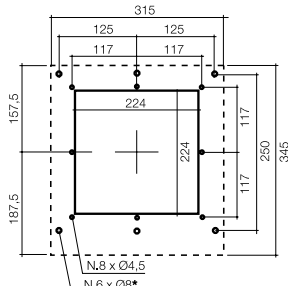
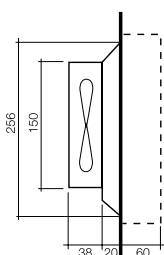


*Per 24V 105

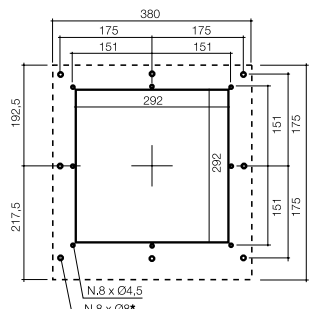
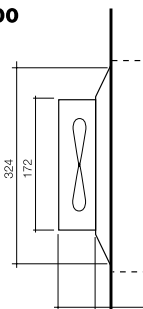
S5600



S7000



S6000

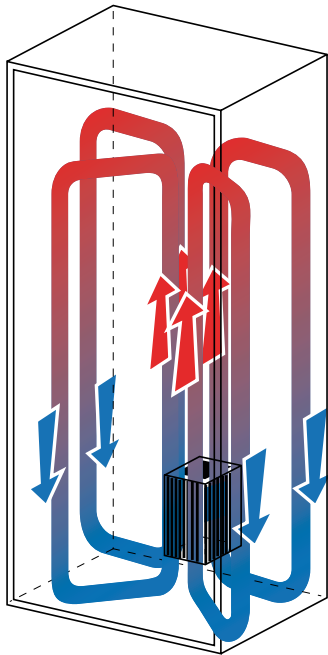


*Holes to be drilled only for application of wall-mounted covers

L = W (width) - H = H (height) - P = D (depth)

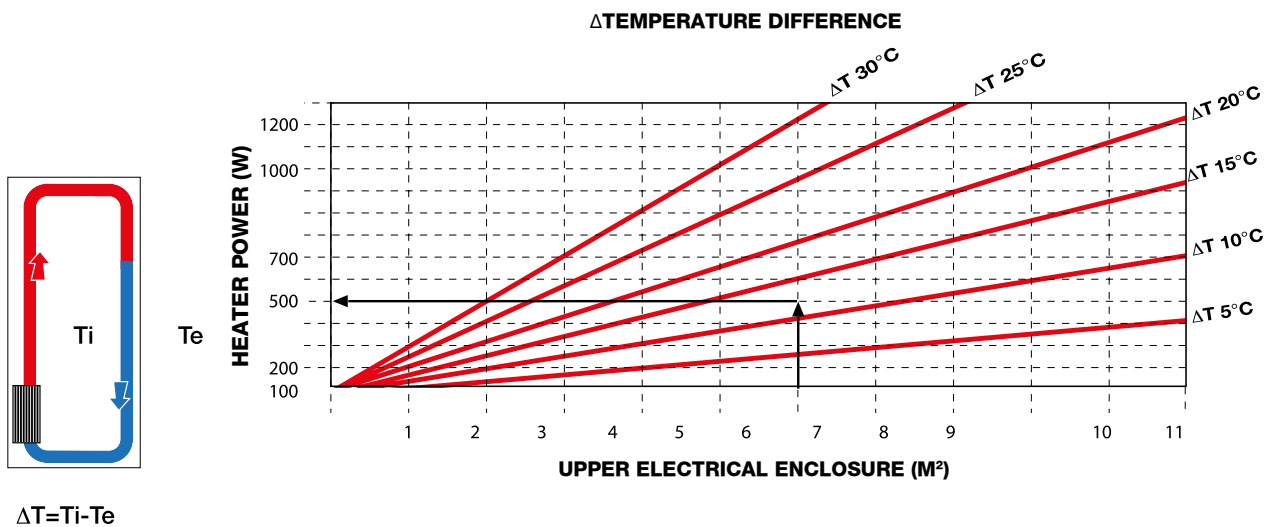
ANTI-CONDENSATION HEATERS

To eliminate condensation within electrical enclosures, we offer a full range of heaters with power from 30-400 W, available with natural or forced convection, and set-up for installation on DIN rail and with terminal-block connection. Heaters consist of a winged profile in black anodised aluminium and self-regulating PTC element, guaranteeing maintenance of a minimum temperature within the enclosure. Protection rating from IP54 to IP20 depending on models, with VDE, UL and CSA certifications. Available on request with self-regulating probe and 24V AC power supply.



Code	Model	External dimensions in mm			Voltage V	Power W	Connection	Fan
		W	H	D				
K0020035	KRAHGK47	50	70	25	110-250 V	30 W	Cable	-
K0020070	KRAHG140	70	179	60	110-250 V	60 W	Terminal block	-
K0020080	KRAHG140	70	179	60	110-250 V	100 W	Terminal block	-
K0020090	KRAHG140	70	259	60	110-250 V	150 W	Terminal block	-
K0020100	KRAHGL046	80	17	80	230 V	250 W	Terminal block	√
K0020105	KRAHGL046	80	17	80	115 V	250 W	Terminal block	√
K0020110	KRAHGL046	80	25	80	230 V	400 W	Terminal block	-

DIAGRAM FOR SELECTION OF ANTI-CONDENSATION HEATER



Accessories must always be specified during quote and order phase.

THERMOSTATS

A full range of mechanical and electronic thermostats to control temperature and alarm signals, which can be used with IP54 and IP55 ventilation systems and anti-condensation heaters. Set-up for installation on DIN rail. IP20 protection rating with VDE, UL and CSA certifications.

KTR A/C



KTR A



KTR C



KTR A/C-I



Code	Model	External dimensions in mm			Specifications
		W	H	D	
K0030010	KTR C 0 - + 60 red screw	33	35	60	Normally closed contact, for heaters
K0030020	KTR A 0 - + 60 blue screw	33	35	60	Normally open contact, for ventilation or alarms
K0030050	KTR A/C-I 0 - + 60 screws: blue - red	50	46	67	Normally closed contact, for heaters Normally open contact for ventilation or alarms
K0030060	KTR A/C-I -10+50 / +20+80 screws: blue - red	50	46	67	Normally closed contact, for heaters Normally open contact for ventilation or alarms, suitable for outdoor use
K0030030	KTR A/C +10 - +60 screw: black	51	38	67	Electrically powered thermostat with change-over contact

SENSIS

SERIES KSNS

Sensis is a thermal-management device for electrical enclosures that responds alone to all climate-control, predictive-maintenance and interconnectivity needs. Sensis controls temperature and humidity within the electrical enclosure, records instances of safety thresholds being exceeded and door opening, and interacts with the main field buses or network.

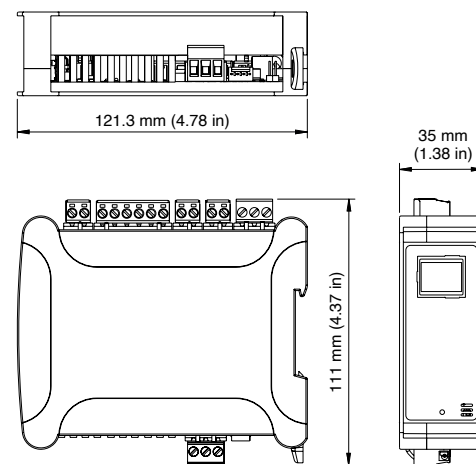


GENERAL SPECIFICATIONS

- Regulates, monitors, manages and communicates
- Acquisition and management of temperature parameters (in three different points), relative humidity, ventilation efficiency and door limit-switch position
- Two temperature sensors and one ventilation sensor included
- Monitoring of interoperability with main industrial field buses
- Historical and statistical basic data accessible remotely
- Clip-on securing system for DIN rail
- Standard colour RAL 7035
- Rated voltage: 24 V d.c.

Code	Version
KSNS01U00X	Sensis Modbus RTU CE
KSNS02U00X	Sensis Profinet CE
KSNS04U00X	Sensis CAN-OPEN CE
KSNS06U00X	Sensis Ethercat CE
KSNS07U00X	Sensis Modbus/TCP CE
KSNS08U00X	Sensis Profibus CE
KSNS10U00X	Sensis IO LINK CE
KSNS11U00X	Sensis EtherNet/IP CE

TECHNICAL SPECIFICATIONS



Accessories must always be specified during quote and order phase.

THERMOELECTRIC UNITS

SERIES KTCU

Thermoelectric units operate using the same principle as a Peltier-effect heat pump and are used for conditioning small electrical enclosures or devices.

They do not use compressors or other moving parts (with the exception of a fan to accelerate dissipation), neither CFCs or other gases and are not affected by vibrations.

AC THERMOELECTRIC UNITS

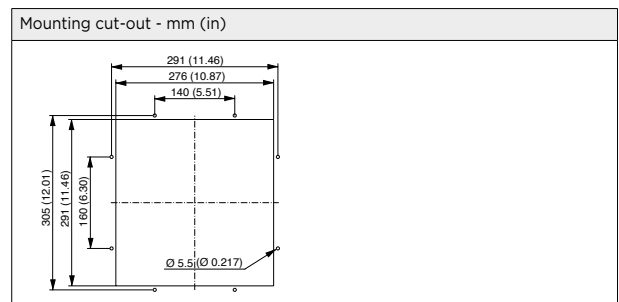
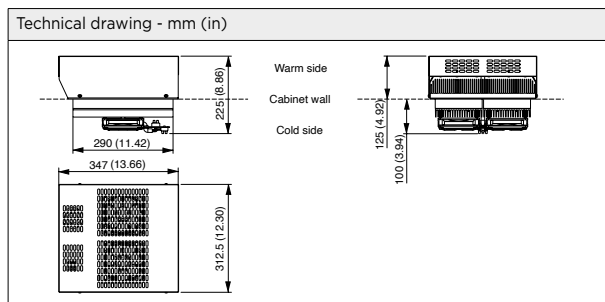
- Solid-state device based on Peltier technology
- Suitable for use with any sheet-metal thickness
- Stainless-steel outer cover
- No CFCs or compressor
- Functions at any angle
- Not affected by vibrations
- Does not require maintenance - no moving parts (with exception of fan)



Code	Operating voltage	Power rating	Max absorbed power	Cooling capacity
	V	W	W	W
KTCU200AC40-SIP	88-264 V a.c.	245	306	201

TECHNICAL SPECIFICATIONS AND DRILLING DIAGRAMS

KTCU200AC40-SIP 200 W TE AIR CONDITIONER WITH BUILT-IN POWER SUPPLY



DC THERMOELECTRIC UNITS

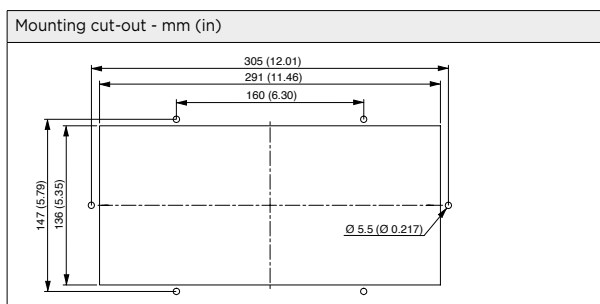
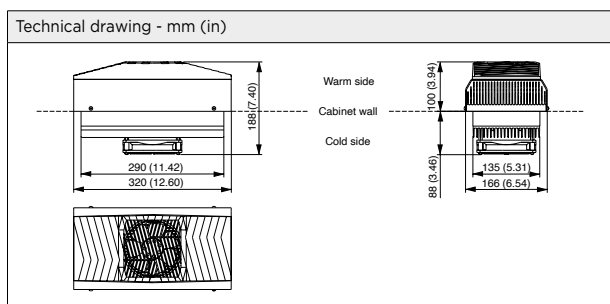
- Solid-state device based on Peltier technology
- Suitable for use with any sheet-metal thickness
- No CFCs or compressor
- Hot/cold reversible
- Functions at any angle
- Not affected by vibrations
- Does not require maintenance - no moving parts (with exception of fan)



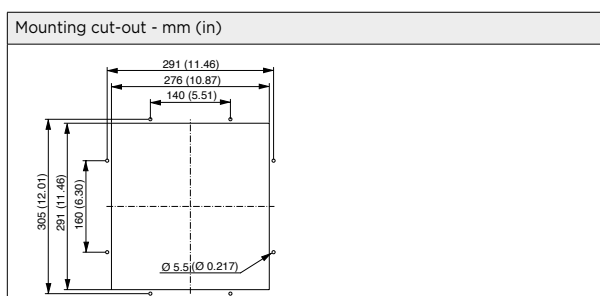
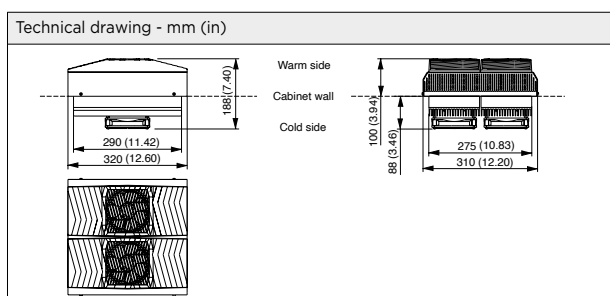
Code	Rated voltage	Operating voltage	Rated current	Max. current	Cooling capacity
	V	V	A	A	W
KTCU1002440IP55	24 V d.c.	17-27 V d.c.	4.7	5.7	101
KTCU2002440IP55	24 V d.c.	17-27 V d.c.	9.5	11.5	201
KTCU502440IP55	24 V d.c.	10-27.6 V d.c.	2.4	2.8	57

TECHNICAL SPECIFICATIONS AND DRILLING DIAGRAMS

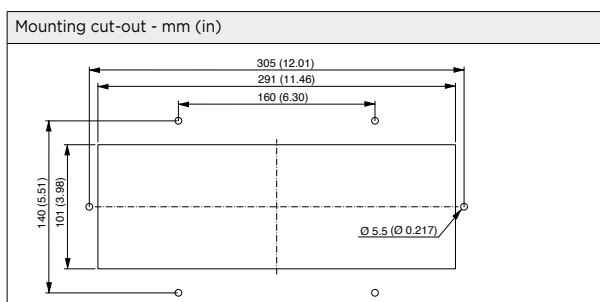
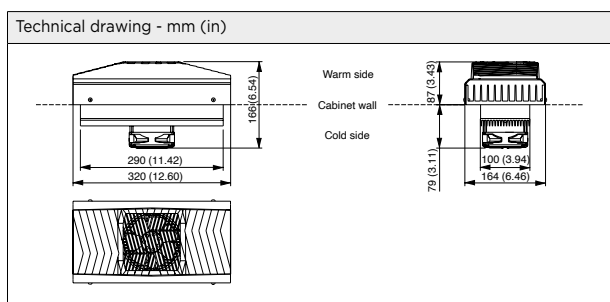
KTCU1002440IP55 100 W TE IP55 AIR CONDITIONER



KTCU2002440IP55 200 W TE IP55 AIR CONDITIONER



KTCU502440IP55 50 W TE IP55 AIR CONDITIONER



Accessories must always be specified during quote and order phase.

OTHER ACCESSORIES

ARMS

SUPPORTS

ARM TYPES

Arms of various types in AISI 304 (Wnr 1.4301) stainless steel with dimensions adaptable to all specific requirements. Recommended for applications bringing the control terminal closer to the operator. Equipped with fixed or swivel joints in stainless steel.

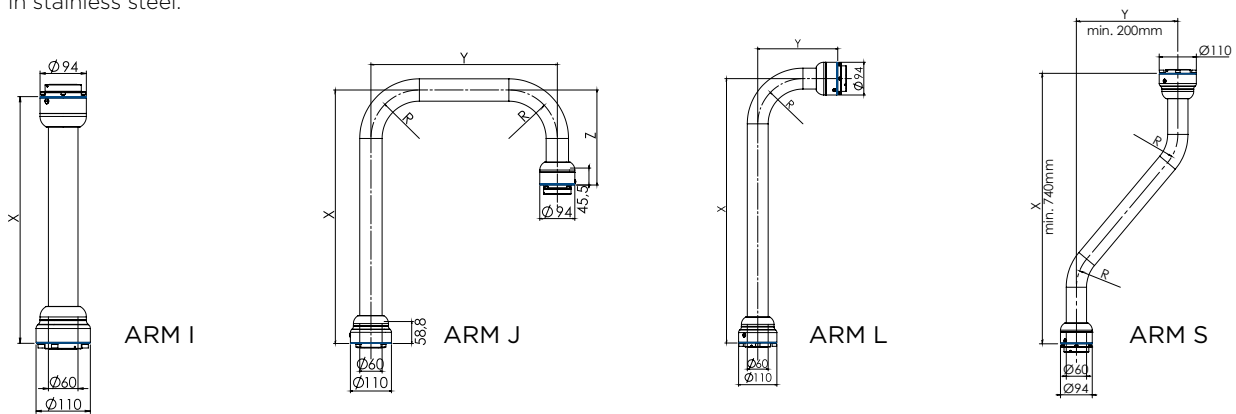


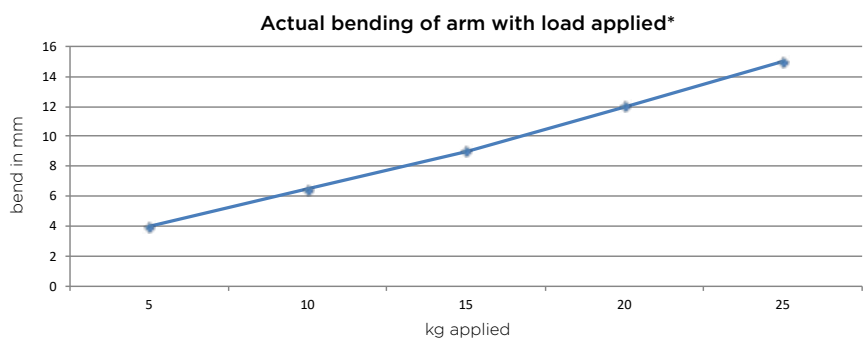
TABLE OF MINIMUM DIMENSIONS FOR ARM J

Table to calculate minimum dimensions of ARM J, which vary according to the joint used and the radius of curvature of the arm itself. It is recommended not to exceed the length of 1500 mm.

Joint model	Joint code	ARM RADIUS OF CURVATURE					
		R 130			R 76		
		X	Y	Z	X	Y	Z
GG21.110	013710370	230 mm	400 mm	230 mm	170 mm	200 mm	170 mm
GG21.94	013710380	230 mm	400 mm	230 mm	170 mm	200 mm	170 mm
SGF 110	013710320	181 mm	400 mm	181 mm	121 mm	200 mm	121 mm

JOINT AND ARM TESTS	AFTER TEST									
	kg	5	10	15	20	25	5	10	15	20
bend, arm length 1000		4	6.5	9	12	15				
bend angle, arm length 1000		0.254°	0.381°	0.999°						
bend, arm length 1400		6	11	16	21		6	14	18	23
bend angle, arm length 1400		0.272°	0.5°	0.727°	0.954					

*Bend is understood for an arm with horizontal length 1000 mm (X or Y depending on the orientation of the arm).

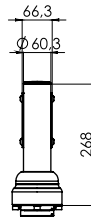
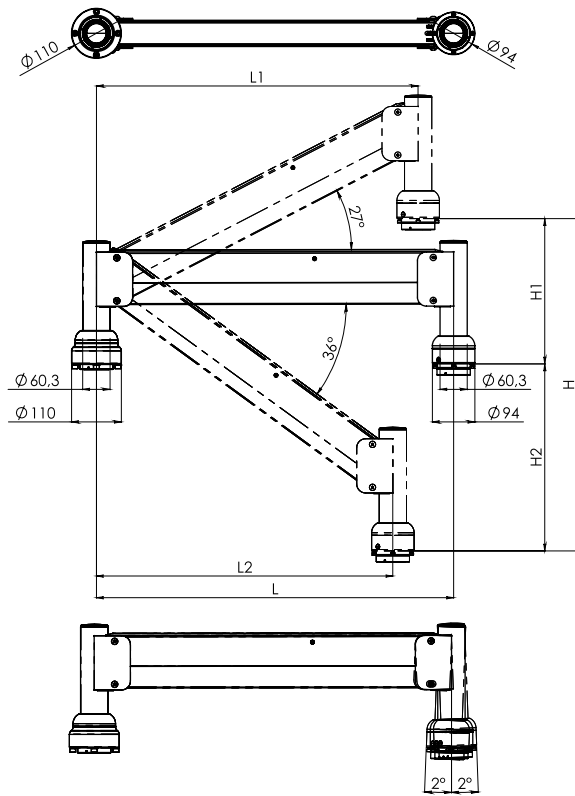


Accessories must always be specified during quote and order phase.

MO.VI. ZERO BALANCER

- Balance arm for control enclosures between 2 and 30 Kg
- Can be used with push button or terminal boxes, enclosures and hanging control units
- 100% A304 (Wnr 1.4301) stainless steel
- Easy to use
- Ideal for multi-operator applications

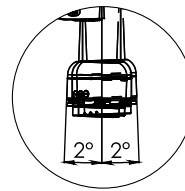
- Height-adjustable hanging unit
- Arm and enclosure can be rotated up to 350°
- Ample working height extension up to 840 mm
- Standard configuration with GG21 110 machinery-side joint, hanging-unit side with GG21 94 joint
- Customisable with both GG21 110 joints.



Arm L=790 mm
L1=710 mm
L2=655 mm
H1=320 mm
H2=410 mm

Arm L=890 mm
L1=800 mm
L2=735 mm
H1=370 mm
H2=470 mm

L = W (width)
H = H (height)
P = D (depth)



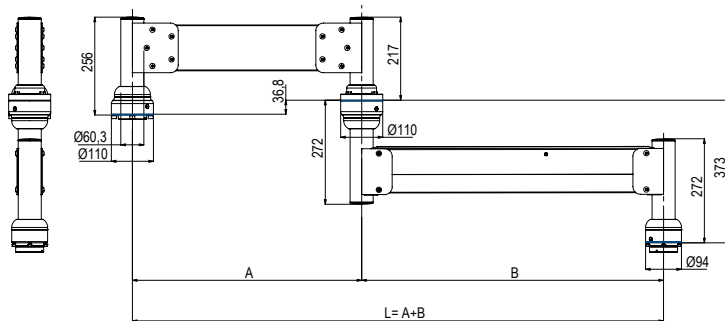
Manual vertical adjustment ($\pm 2^\circ$) of hanging unit with special easy-to-use system.

Code MO.VI.	Length (mm)	Joints installed		Total weight that can be applied (hanging unit + cabling)
		Machinery side	Hanging-unit side	
Q4SV00023501151	790	GG21 110	GG21 110	2-7 KG
Q4SV00023500063	790	GG21 110	GG21 110	7-13 KG
Q4SV00023500106	790	GG21 110	GG21 110	13-20 KG
Q4SV00023500145	790	GG21 110	GG21 110	20-30 KG
Q4SV00023501152	790	GG21 110	GG21 94	2-7 KG
Q4SV00023500985	790	GG21 110	GG21 94	7-13 KG
Q4SV00023501028	790	GG21 110	GG21 94	13-20 KG
Q4SV00023501153	790	GG21 110	GG21 94	20-30 KG
Q4SV00023501154	890	GG21 110	GG21 110	2-5 KG
Q4SV00023501032	890	GG21 110	GG21 110	5-8 KG
Q4SV00023500071	890	GG21 110	GG21 110	8-15 KG
Q4SV00023501155	890	GG21 110	GG21 110	15-25 KG
Q4SV00023501156	890	GG21 110	GG21 94	2-5 KG
Q4SV00023501157	890	GG21 110	GG21 94	5-8 KG
Q4SV00023501158	890	GG21 110	GG21 94	8-15 KG
Q4SV00023501078	890	GG21 110	GG21 94	15-25 KG

Accessories must always be specified during quote and order phase.

EXTENSIONS

Special arms with extensions. Customisable dimensions to be verified during the order phase.

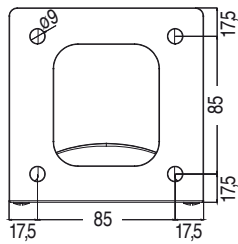
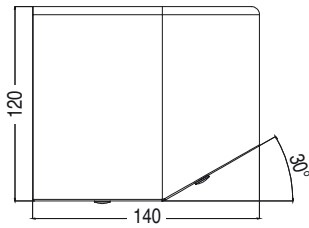


L = W (width) - H = H (height) - P = D (depth)

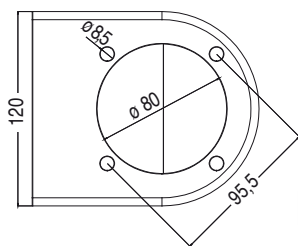
STAINLESS-STEEL SUPPORT FOR ARM

AISI 304 (Wnr 1.4301) stainless-steel wall-mounted rounded support, suitable for installation of arm.

kg applied



Securing on machinery side



Securing of arm with joint GG21 110

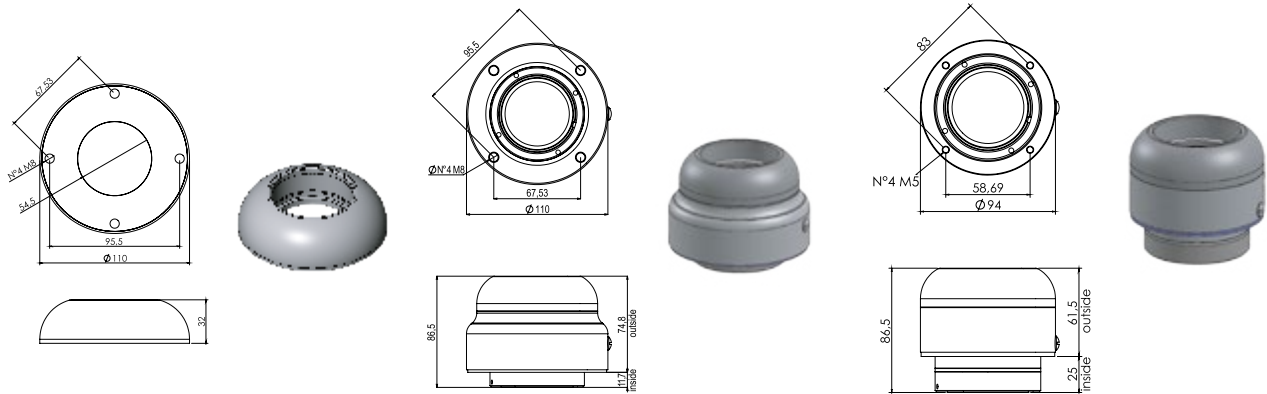
Code	Model	Ø arm / Ø joint
Q4SV02380300001	SBV 110 Special accessory to be specified during order phase*	60 mm/110 mm

*Request adaptations/customisations for mounting.

Accessories must always be specified during quote and order phase.

FIXED AND SWIVEL JOINTS

Different types of fixed and swivel joints in AISI 304 (Wnr 1.4301) stainless steel to complete installation of IRINOX arms for hanging systems.



FIXED JOINT SGF 110

SWIVEL JOINT HYGIENIC DESIGN GG21 110

Machinery-side joint
Diameter 110 mm
Resistant to load up to 30 kg
IP66 - IP69K as standard

SWIVEL JOINT HYGIENIC DESIGN GG21 94

Hanging-unit-side joint
Diameter 94 mm
Resistant to load up to 30 kg
IP66 - IP69K as standard

Code	Model	Description	External dimensions in mm		Ø arm
			Ø	H	
013710320	SGF 110 - Ø 60.3	fixed joint	110 mm	32 mm	60.3 mm
013710370	GG21 110 - Ø 60.3	swivel joint***	110 mm	74 mm	60.3 mm
013710380	GG21 94 - Ø 60.3**	swivel joint***	94 mm	61 mm	60.3 mm

**Model GG21 94 can only be installed on the hanging-unit side. Joint suitable for hanging units with load balanced on centre of gravity up to approximately 25 kg. Check when ordering.

***350° angle of rotation. Other angles of rotation on request.

OTHER ACCESSORIES

LED DEVICES

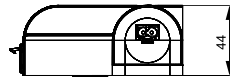
LED lighting devices that can be connected in series, with on/off switch. Securing with screws directly into the structure, or to 35 mm DIN rail. To be used with special support profile. CE, UR, VDE, EAC and ROHS3 approvals.

LED LAMP with ON/OFF switch and screws WITH SOCKET

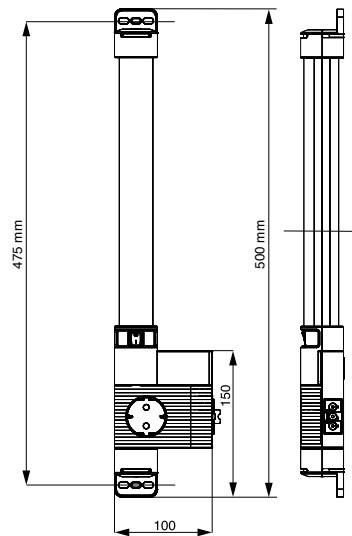
MODEL LED 121

LED 121 VARIOLINE LAMP WITH SOCKET

LED 121
with ON/OFF-switch and screws

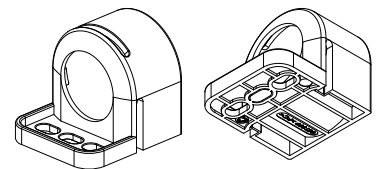


LED 121
with screws



LED 121
Side view

View of screw fixing

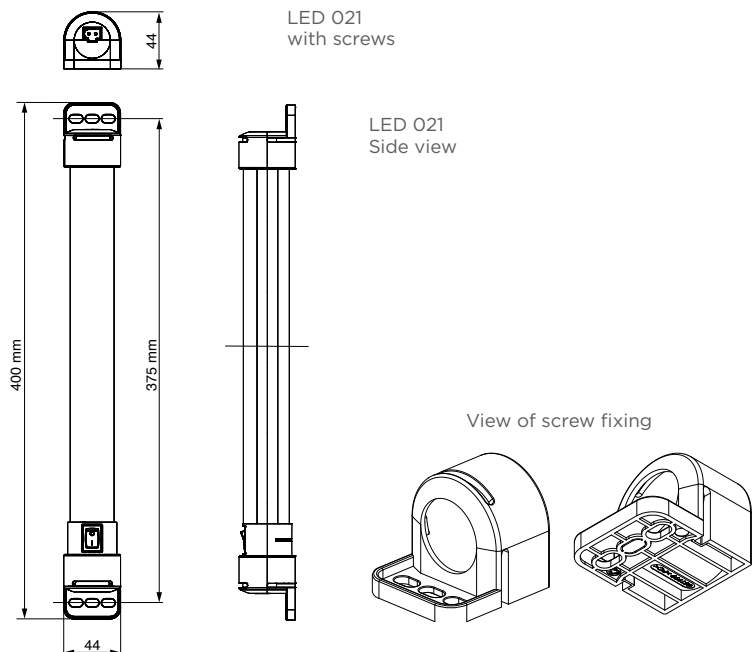


LED LAMP with ON/OFF switch and screws WITHOUT SOCKET

MODEL LED 021

LED 021 VARIOLINE LAMP

LED 021
with screws



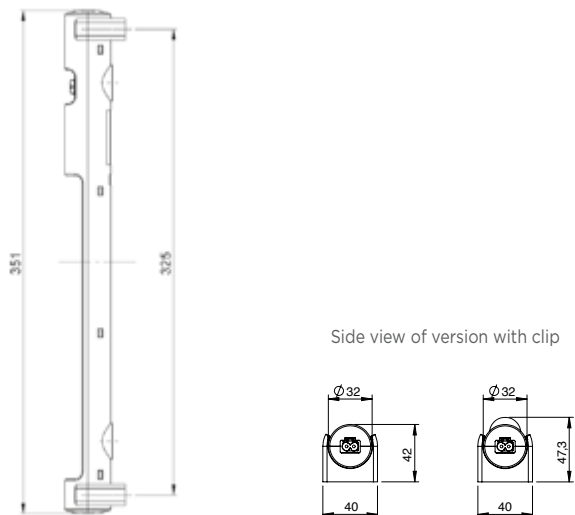
LED lamp with ON/OFF switch and clip

MODEL LED 025

LED 025 LAMP

Ecoline LED 025 lamp

LED 025 lamp with clip



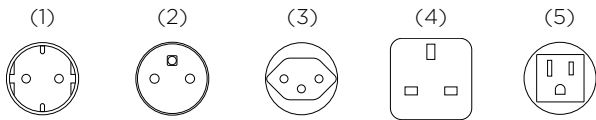
Accessories must always be specified during quote and order phase.

AIR-CONDITIONING SYSTEMS, VENTILATION AND OTHER ACCESSORIES

LAMP CODES

Item code	Model	Rated voltage	Socket type	Socket voltage	Approvals			
					VDE	UL File No.	CCC	EAC
01370280010	Led 025	AC 100 - 240 V, 50/60 Hz (min. AC 90 V, max. AC 265 V)	/	/	VDE	UL File No. E234324	CCC	EAC
01370280011		DC 24 - 48 V (min. DC 20 V, max. DC 60 V)	/	/	VDE	UL File No. E234325	CCC	EAC
01370280020	Led 021	AC 100 - 240 V, 50/60 Hz (min. AC 90 V, max. AC 265 V)	/	/	VDE	UL File No. E234326	/	EAC
01370280030	Led 121	AC 220 - 240 V, 50/60 Hz	Italy/Germany/Russia (1)	16.0 A	VDE	/	/	EAC
01370280031		AC 220 - 240 V, 50/60 Hz	FR/PL/CZ/SK (2)	16.0 A	VDE	/	/	EAC
01370280032		AC 220 - 240 V, 50/60 Hz	Switzerland (3)	10.0 A	/	/	/	EAC
01370280033		AC 220 - 240 V, 50/60 Hz	Great Britain/Ireland (4)	13.0 A	VDE	/	/	EAC
01370280034		AC 120 V, 50/60 Hz	USA/Canada (5)	15.0 A	/	UL File No. E234326	/	EAC

SOCKETS FOR LED 121 VARIOLINE WITH ON/OFF SWITCH



LED LIGHTING-DEVICE ACCESSORIES

Connectors and cables for electrical connection are included in the LED lamp pack. For installation in series, order male connector separately.

MALE/FEMALE PLUGS



Female plug, supplied with lamp



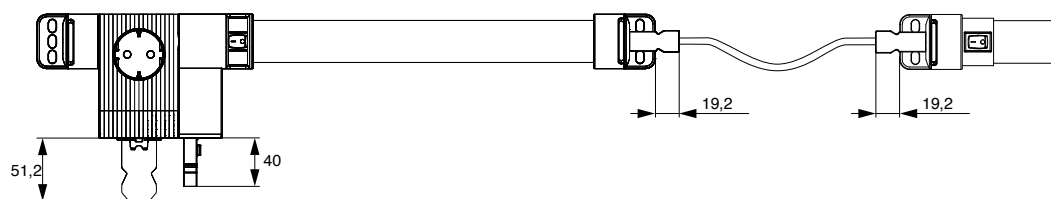
Male plug for series installation (on request)

PLUG CODES

Item code	Model	Model	Power-supply type	Use	Cross-section of wire	Approvals		
LD021CF	Led 025	white female plug	AC	power input	0.5-2.5 mm ³ (AWG 14-20)	VDE	UL	
LD021CM		white male plug	AC	power output	0.5-2.5 mm ³ (AWG 14-20)	VDE	UL	
LD025CF		Led 021	blue female plug	DC 24-48 V	power input	0.5-2.5 mm ³ (AWG 14-20)	VDE	UL
LD025CM			blue male plug	DC 24-48 V	power output	0.5-2.5 mm ³ (AWG 14-20)	VDE	UL
LD121CF	Led 121	white female plug	AC	power input	0.75-2.5 mm ³ (AWG 14-18)	VDE	UL	
LD021CM		white male plug	AC	power output	0.5-2.5 mm ³ (AWG 14-20)	VDE	UL	

Accessories must always be specified during quote and order phase.

EXAMPLE OF CONNECTION



Lamps can be easily connected to one another with plug-in connectors. Up to eight lamps can be connected in this way. All three models of LED lighting devices can be connected in series.

BRACKETS FOR SECURING LEDs

FOR EKO SERIES ENCLOSURES

Two brackets are sufficient: one for widths up to 590 mm and the other for widths from 600 mm up:

- Code LD02505EKIMB001, for widths up to 590 mm (only for models O21 and O25).
- Code LD12106EKIMB001, for widths > 600 mm (for all models).

FOR AS SERIES CABINETS

Each width has a specific bracket that must be created. Please request during quote phase.

FOR AZ SERIES CABINETS

Single bracket code for all models and all widths: code LDAZ001.

NOTES

- For product families EKO, EKS and ASW brackets are applied with welded pins if the lamp is ordered at the same time as the enclosure.
If ordered separately, they will be supplied with double-sided tape.
- Brackets are supplied with fixings for their mounting and mounting of lamp.
- Brackets for series EKO and AS are set up for mounting of lamp and micro-switch, micro code 013702460.

VOLTAGE-DETECTOR DEVICE

Flashing three-phase device to detect voltage. VOLT. 110-690 V

Installed on structure using specific bracket (see accessories, brackets category). Certifications in accordance with IEC EN 947.5.4. IMQ, CE, UL and CSA approvals.

Code	Description
013702470	Flashing three-phase device to detect voltage. VOLT. 110-690 V



MICRO-SWITCH

Resettable micro-switch Load 10 A - 1NC +1NA with reset switch.

Certifications in accordance with IEC EN 947.5.4, IMQ, CE, UL and CSA approvals.

Code	Description
013702460	Resettable micro-switch. Load 10A+1NC+1NA



DOOR-STOP KIT

Security system for door opening

Code	Description
Accessory to be specified during quote/order phase.	Door-stop kit in AISI 304L (Wnr 1.4307) stainless steel
Accessory to be specified during quote/order phase.	Door-stop kit in AISI 304 (Wnr 1.4404) stainless steel



GAS STRUTS FOR DOOR OPENING

Gas struts enable the door to be held open, preventing accidental closure.

Always specify load capacity when ordering.

Code	Description Kit with 2 gas struts
013704012	Dimensions W= 257 mm - Ø 19/Force 100 N.
013704014	Dimensions W= 257 mm - Ø 19/Force 300 N.
013704022	Dimensions W= 497 mm - Ø 19/Force 150 N.
013704024	Dimensions W= 497 mm - Ø 19/Force 250 N.
013704026	Dimensions W= 497 mm - Ø 19/Force 300 N.
013704032	Dimensions W= 683 mm - Ø 22/Force 300 N.
013704034	Dimensions W= 683 mm - Ø 22/Force 500 N.



To receive gas struts installed, specify during quote/order phase.

Accessories must always be specified during quote and order phase.

INSULATION

IRINOX offers an insulation solution created with a sandwich panel, with a thickness of 20 mm, composed of an insulating component in polyiso foam, expanded without the use of CFCs or HCFCs, and coated on both sides with 80 µm embossed aluminium.

EXPRESS WAREHOUSE

WHEN “*INSIDE YOUR NEEDS*”
BECOMES “*BESIDE YOUR NEEDS*”!

Committed to also supporting customers with unexpected requirements, IRINOX has developed an additional service ensuring items are always available and ready in the warehouse, optimising supply times.

The list of EXPRESS WAREHOUSE items is always updated and available in the download area on irinoxquadri.com





PUSH BUTTON AND TERMINAL BOXES

APH PUSH BUTTON BOXES

Item code	Description - WxHxD	
PH0909090000001	APH push button box 090x090x090 A304 SB SPI IP66*	UL CE UKCA
PH0914090000001	APH push button box 090x140x090 A304 SB SPI IP66*	UL CE UKCA
PH0920090000001	APH push button box 090x200x090 A304 SB SPI IP66*	UL CE UKCA
PH0928090000001	APH push button box 090x280x090 A304 SB SPI IP66*	UL CE UKCA
PH1625100000001	APH push button box 160x250x100 A304 SB SPI IP66*	UL CE UKCA
PH2020100000001	APH push button box 200x200x100 A304 SB SPI IP66*	UL CE UKCA

*No internal plate



APH push button box

ADH TERMINAL BOXES

Item code	Description - WxHxD	
PH0909090000003	ADH terminal box 090x090x090 A304 SB SPI IP66*	UL CE UKCA
PH0914090000002	ADH terminal box 090x140x090 A304 SB SPI IP66*	UL CE UKCA
PH0920090000008	ADH terminal box 090x200x090 A304 SB SPI IP66*	UL CE UKCA
PH0928090000011	ADH terminal box 090x280x090 A304 SB SPI IP66*	UL CE UKCA
PH1010100000001	ADH terminal box 100x100x100 A304 SB IP66	UL CE UKCA
PH1016100000001	ADH terminal box 100x160x100 A304 SB IP66	UL CE UKCA
PH1020100000001	ADH terminal box 100x200x100 A304 SB IP66	UL CE UKCA
PH1616100000002	ADH terminal box 160x160x100 A304 SB IP66	UL CE UKCA
PH1625100000002	ADH terminal box 160x250x100 A304 SB IP66	UL CE UKCA
PH2020100000002	ADH terminal box 200x200x100 A304 SB IP66	UL CE UKCA
PH2025120000001	ADH terminal box 200x250x120 A304 SB IP66	UL CE UKCA
PH2030120000001	ADH terminal box 200x300x120 A304 SB IP66	UL CE UKCA
PH2040120000001	ADH terminal box 200x400x120 A304 SB IP66	UL CE UKCA
PH3030120000001	ADH terminal box 300x300x120 A304 SB IP66	UL CE UKCA
PH3040120000001	ADH terminal box 300x400x120 A304 SB IP66	UL CE UKCA
PH4040120000001	ADH terminal box 400x400x120 A304 IP66	UL CE UKCA

*No internal plate



ADH terminal box

APN PUSH BUTTON BOXES

Item code	Description - WxHxD	
APN0909090000001	APN push button box 090x090x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
APN0901409000001	APN push button box 090x140x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
APN0902009000001	APN push button box 090x200x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
APN0902809000001	APN push button box 090x280x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
APN1601601000001	APN push button box 160x160x100 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
APN1602501000001	APN push button box 160x250x100 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
APN2002001000001	APN push button box 200x200x100 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA

*No internal plate



APN push button box



ADN TERMINAL BOXES

Item code	Description - WxHxD	
ADN090090090001	ADN terminal box 090x090x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
ADN090140090001	ADN terminal box 090x140x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
ADN090200090001	ADN terminal box 090x200x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
ADN090280090001	ADN terminal box 090x280x090 A304 SB SPI IP66-IP67-IP69K*	UL CE UKCA
ADN100100100001	ADN terminal box 100x100x100 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN100160100001	ADN terminal box 100x160x100 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN160160100001	ADN terminal box 160x160x100 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN160250100001	ADN terminal box 160x250x100 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN200200100001	ADN terminal box 200x200x100 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN200300130001	ADN terminal box 200x300x130 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN200400120001	ADN terminal box 200x400x120 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN300400120001	ADN terminal box 300x400x120 A304 SB IP66-IP67-IP69K	UL CE UKCA
ADN400400120001	ADN terminal box 400x400x120 A304 SB IP66-IP67-IP69K	UL CE UKCA

*No internal plate



ADN terminal box

ACCESSORIES FOR PUSH BUTTON AND TERMINAL BOXES

Item code	Description - WxHxD	
Q4SV00023500009	Kit with 4 brackets, A304 - ADH flat wall-mounted	CE UKCA
Q4SV00023500002	Kit with 4 brackets, H=25 mm A304 - ADH raised wall-mounted (L)	CE UKCA

ENCLOSURES

EKO ENCLOSURES

Item code	Description - WxHxD	
EK0200300150001	EKO enclosure 0200x0300x0155 A304 SB STD IP66	UL CE UKCA
EK0250350210002	EKO enclosure 0250x0350x0210 A304 SB STD IP66	UL CE UKCA
EK0300300210001	EKO enclosure 0300x0300x0210 A304 SB STD IP66	UL CE UKCA
EK0300380210001	EKO enclosure 0300x0380x0210 A304 SB STD IP66	UL CE UKCA
EK0300450210006	EKO enclosure 0300x0450x0210 A304 SB STD IP66	UL CE UKCA
EK0350400210001	EKO enclosure 0350x0400x0210 A304 SB STD IP66	UL CE UKCA
EK0380600210001	EKO enclosure 0380x0600x0210 A304 SB STD IP66	UL CE UKCA
EK0400500250001	EKO enclosure 0400x0500x0250 A304 SB STD IP66	UL CE UKCA
EK0450450210008	EKO enclosure 0450x0450x0210 A304 SB STD IP66	UL CE UKCA
EK0450450300001	EKO enclosure 0450x0450x0300 A304 SB STD IP66	UL CE UKCA
EK0450600250002	EKO enclosure 0450x0600x0250 A304 SB STD IP66	UL CE UKCA
EK0450600300001	EKO enclosure 0450x0600x0300 A304 SB STD IP66	UL CE UKCA
EK0500500210001	EKO enclosure 0500x0500x0210 A304 SB STD IP66	UL CE UKCA
EK0500700250001	EKO enclosure 0500x0700x0250 A304 SB STD IP66	UL CE UKCA
EK0600450250001	EKO enclosure 0600x0450x0250 A304 SB STD IP66	UL CE UKCA
EK0600600250004	EKO enclosure 0600x0600x0250 A304 SB STD IP66	UL CE UKCA
EK0600750250001	EKO enclosure 0600x0750x0250 A304 SB STD IP66	UL CE UKCA
EK0600750300001	EKO enclosure 0600x0750x0300 A304 SB STD IP66	UL CE UKCA
EK0600900300004	EKO enclosure 0600x0900x0300 A304 SB STD IP66	UL CE UKCA
EK0601200300001	EKO enclosure 0600x1200x0300 A304 SB STD IP66	UL CE UKCA
EK0601200400001	EKO enclosure 0600x1200x0400 A304 SB STD IP66	UL CE UKCA
EK0700500250001	EKO enclosure 0700x0500x0250 A304 SB STD IP66	UL CE UKCA
EK0750600250001	EKO enclosure 0750x0600x0250 A304 SB STD IP66	UL CE UKCA
EK0751000300001	EKO enclosure 0750x1000x0300 A304 SB STD IP66	UL CE UKCA
EK0760760300001	EKO enclosure 0760x0760x0300 A304 SB STD IP66	UL CE UKCA
EK0801000300001	EKO enclosure 0800x1000x0300 A304 SB STD IP66	UL CE UKCA
EK0801200300001	EKO enclosure 0800x1200x0300 A304 SB STD IP66	UL CE UKCA
EK0801200400003	EKO enclosure 0800x1200x0400 A304 SB STD IP66	UL CE UKCA
EK1001200300001	EKO enclosure 1000x1200x0300 A304 SB STD IP66	UL CE UKCA
EK1200800300003	EKO enclosure 1200x0800x0300 A304 SB STD IP55*	CE UKCA

*Available for order in UL - IP66 version.



EKO enclosure

EKOV ENCLOSURES WITH LEXAN DOOR AND INNER DOOR

Item code	Description - WxHxD	
EK0500700250008	EKOV enclosure 0500x0700x0250 A304 IP66**	CE UKCA
EK0751000300007	EKOV enclosure 0750x1000x0300 A304 IP66**	CE UKCA

**Available for order in UL version.



EKOV enclosure

ACCESSORIES FOR ENCLOSURES

Item code	Description	
Q4SV00023500001	Kit with 4 brackets, H=10 mm A304 - EKO	CE UKCA



HYGIENE-CERTIFIED ENCLOSURES

EKO.HY ENCLOSURE WITH HYGIENE CERTIFICATION

Item code	Description - WxHxD	
EY0200300150001	EKO.HY enclosure 0200x0300x0150 A304 SB 30° PST 1S	CE UKCA
EY0380450210001	EKO.HY enclosure 0380x0450x0210 A304 SB 30° PST 1S	CE UKCA
EY0380600210001	EKO.HY enclosure 0380x0600x0210 A304 SB 30° PST 1S	CE UKCA
EY0500600210001	EKO.HY enclosure 0500x0600x0210 A304 SB 30° PST 1S	CE UKCA
EY0600450300001	EKO.HY enclosure 0600x0450x0300 A304 SB 30° PST 1S	CE UKCA
EY0600600210001	EKO.HY enclosure 0600x0600x0210 A304 SB 30° PST 1S	CE UKCA
EY0600800300003	EKO.HY enclosure 0600x0800x0300 A304 SB 30° PST 1S	CE UKCA
EY0800500300001	EKO.HY enclosure 0800x0500x0300 A304 SB 30° PST 1S	CE UKCA
EY0800800300001	EKO.HY enclosure 0800x0800x0300 A304 SB 30° PST 1S	CE UKCA
EY0801200300001	EKO.HY enclosure 0800x1200x0300 A304 SB 30° PST 1S	CE UKCA



EKO.HY enclosure

COMPACT CABINETS

AS COMPACT CABINET

Item code	Description - WxHxD	
AS0801800400003	AS cabinet 0800x1800x0400 SB A304 1S S IP66*	UL CE UKCA
AS1001800400001	AS cabinet 1000x1800x0400 SB A304 1S S IP66*	UL CE UKCA
AS1201800400009	AS cabinet 1200x1800x0400 SB A304 2A S IP66**	UL CE UKCA
AS1202000400064	AS cabinet 1200x2000x0400 SB A304 2A S IP66**	UL CE UKCA

All AS codes include internal plate.

*One door

**Two doors



AS Compact Cabinet

PLATES FOR COMPACT CABINETS

Item code	Description - WxHxD	
PIKAS00001	AS plate set 800x1800 STD* FeZn	CE UKCA
PIKAS00003	AS plate set 800x2000 STD* FeZn	CE UKCA
PIKAS00002	AS plate set 1000x1800 STD* FeZn	CE UKCA
PIKAS00004	AS plate set 1000x2000 STD* FeZn	CE UKCA
PIKAS00005	AS plate set 1200x1800 STD* FeZn	CE UKCA
PIKAS00006	AS plate set 1200x2000 STD* FeZn	CE UKCA

*Plates with STD dimensions are provided with rollers disassembled and assembly instructions.

MODULAR CABINETS

BASE STRUCTURES FOR MODULAR CABINETS

Item code	Description - WxHxD	
AZ0802000601440	AZ base structure including only frame, rear, top and front doors 0800x2000x0600 SB 304 1S IP66	UL CE UKCA
AZ1202000600705	AZ base structure including only frame, rear, top and front doors 1200x2000x0600 SB 304 2A IP66	UL CE UKCA



Modular cabinet AZ

PLATES FOR MODULAR CABINETS

Item code	Description - WxHxD	
PIKAZ00001	AZ plate set 800x1800 STD* FeZn	CE UKCA
PIKAZ00003	AZ plate set 800x2000 STD* FeZn	CE UKCA
PIKAZ00002	AZ plate set 1000x1800 STD* FeZn	CE UKCA
PIKAZ00004	AZ plate set 1000x2000 STD* FeZn	CE UKCA
PIKAZ00006	AZ plate set 1200x1800 STD* FeZn	CE UKCA
PIKAZ00005	AZ plate set 1200x2000 STD* FeZn	CE UKCA
APICDV080180001	AZ plate set 800x1800 TOT FeZn	CE UKCA
APICDV080200003	AZ plate set 800x2000 TOT FeZn	CE UKCA
APICDV100180004	AZ plate set 1000x1800 TOT FeZn	CE UKCA
APICDV100200001	AZ plate set 1000x2000 TOT FeZn	CE UKCA
APICDV120200002	AZ plate set 1200x2000 TOT FeZn	CE UKCA

*Plates with STD dimensions are provided with wheels disassembled and assembly instructions.

ACCESSORIES FOR MODULAR CABINETS

Item code	Description - WxHxD	
AZ0802000600508	AZ pair of side panels 2000x0600 A304 SB	CE UKCA
VAZN08010060001	AZ plinth 0800X0100X0600 A304 SB	CE UKCA
VAZN12010060001	AZ plinth 1200X0100X0600 A304 SB	CE UKCA
VAZN06010060010	Pair of side panels, plinth 100X600 A304 SB (blind/exterior)	CE UKCA
VAZN08010060045	Pair of side panels, plinth 100X600 A304 SB (drilled/interior)	CE UKCA
VAZN08010050012	Pair - front/rear, plinth 800X0100 A304 SB	CE UKCA
VAZN12010040002	Pair - front/rear, plinth 1200X0100 A304 SB	CE UKCA
AZKUA1800600005	Joining kit AZ 1800x0600 A304 for STD plates	CE UKCA
AZKUA2000600008	Joining kit AZ 2000x0600 A304 for STD plates	CE UKCA
AZKUA2000600011	Joining kit for cabinets 2000 x 600 with full plate	CE UKCA
Q4SV00023500068	Joining kit for internal plates AZ STD H=1800	CE UKCA
Q4SV00023500067	Joining kit for internal plates AZ STD H=2000	CE UKCA
Q4SV00023500050	Joining kit for full internal plates	CE UKCA
AZ0801800600140	Flat cable gland plate 0800x0600	CE UKCA
AZ1201800600193	Flat cable gland plate 1200x0600	CE UKCA
AZ0802000600061	Guillotine cable gland plate 0800x0600	CE UKCA
AZ1201800600051	Guillotine cable gland plate 1200x0600	CE UKCA
AZ0801800600383	Bottom to close plinth 0800x600	CE UKCA
AZ1201800600186	Bottom to close plinth 1200x600	CE UKCA



AIR CONDITIONING

WALL AND TOP-MOUNTED AIR CONDITIONERS

Item code	Description	
KCVE0500220800I	Wall-mounted air-conditioner 550 W 230 V-1-50H	CE UKCA
KCVE0800220800I	Wall-mounted air-conditioner 850 W 230 V-1-50H	CE UKCA
KCVE1500220800I	Wall-mounted air-conditioner 1500 W 230 V-1-50	CE UKCA
KCVE2000220800I	Wall-mounted air-conditioner 2100 W 230 V-1-50	CE UKCA
KCVE1500228800I	Wall-mounted air-conditioner 1400 W 400 V-2-50	CE UKCA
KCVE2000261800I	Wall-mounted air-conditioner 2000 W 400 V-3-50	CE UKCA
KCVE08U120380	Wall-mounted air-conditioner 900 W 115-1-50	UL CE UKCA
KETE1400228700I	Top-mounted air-conditioner 1400 W 400 V-2-50H	CE UKCA
KTCU1002440IP55	Thermoelectric unit - Peltier, 100 W 24 V DC IP55 TCU1002440IP55-7035*	CE UKCA
KTCU502440IP55	Thermoelectric unit - Peltier, 50 W 24 V DC IP55 TCU502440IP55-7035*	CE UKCA



Wall and door-mounted
air conditioner
KCVE

*Available for shipment within 7 working days.

VENTILATION

FILTERS

Item code	Description	
K0011020	Filter group model KFF08G 24 V d.c. IP54	UL CE UKCA
K0011030	Filter group model KFF08GR Reverse Flow 24 V d.c. IP54	UL CE UKCA
K0011040	Filter KFF08 IP54 without fan	UL CE UKCA
K0011050	Filter group model KFF12 230 V a.c. IP54	UL CE UKCA
K0011060	Filter group model KFF12R Reverse Flow 230 V a.c. IP54	UL CE UKCA
K0011070	Filter group model KFF12 24 V d.c. IP54	UL CE UKCA
K0011080	Filter group model KFF12R Reverse Flow 24 V d.c. IP54	UL CE UKCA
K0011090	Filter KFF12 IP54 without fan	UL CE UKCA
K0011100	Filter group model KFF15 230 V a.c. IP54	UL CE UKCA
K0011110	Filter group model KFF15R Reverse Flow 230 V a.c. IP54	UL CE UKCA
K0011120	Filter group model KFF15 24 V d.c. IP54	UL CE UKCA
K0011130	Filter group model KFF15R Reverse Flow 24 V d.c. IP54	UL CE UKCA
K0011140	Filter KFF15 UL IP54 without fan	UL CE UKCA
K0011150	Filter group model KFF20 230 V a.c. IP54	UL CE UKCA
K0011160	Filter group model KFF20R Reverse Flow 230 V a.c. IP54	UL CE UKCA
K0011170	Filter group model KFF20G 230 V a.c. IP54	UL CE UKCA
K0011190	Filter KFF20 IP54 without fan	UL CE UKCA
K0011000	Filter group model KFF08 230 V a.c. IP54	UL CE UKCA



Filter group
KFF12

VENTILATION ACCESSORIES

Item code	Description	
K0014010	Stainless-steel cover for KFF08	CE UKCA
K0014020	Stainless-steel cover for KFF12	CE UKCA
K0014030	Stainless-steel cover for KFF15	CE UKCA
K0014040	Stainless-steel cover for KFF20	CE UKCA
K0012010	Stainless-steel grille for filter model KFF08	CE UKCA
K0012020	Stainless-steel grille for filter model KFF12	CE UKCA
K0012030	Stainless-steel grille for filter model KFF15	CE UKCA
K0012040	Stainless-steel grille for filter model KFF20	CE UKCA
K0013010	Kit with 6 filters for model KFF12 IP55	CE UKCA
K0013020	Kit with 6 filters for model KFF15 IP55	CE UKCA

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