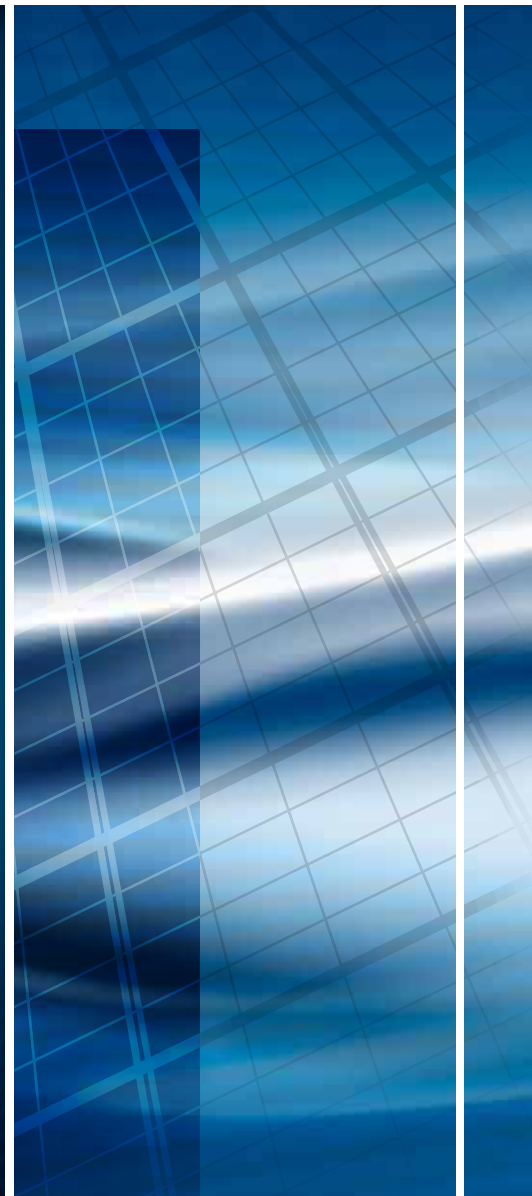




NEW PRODUCTS

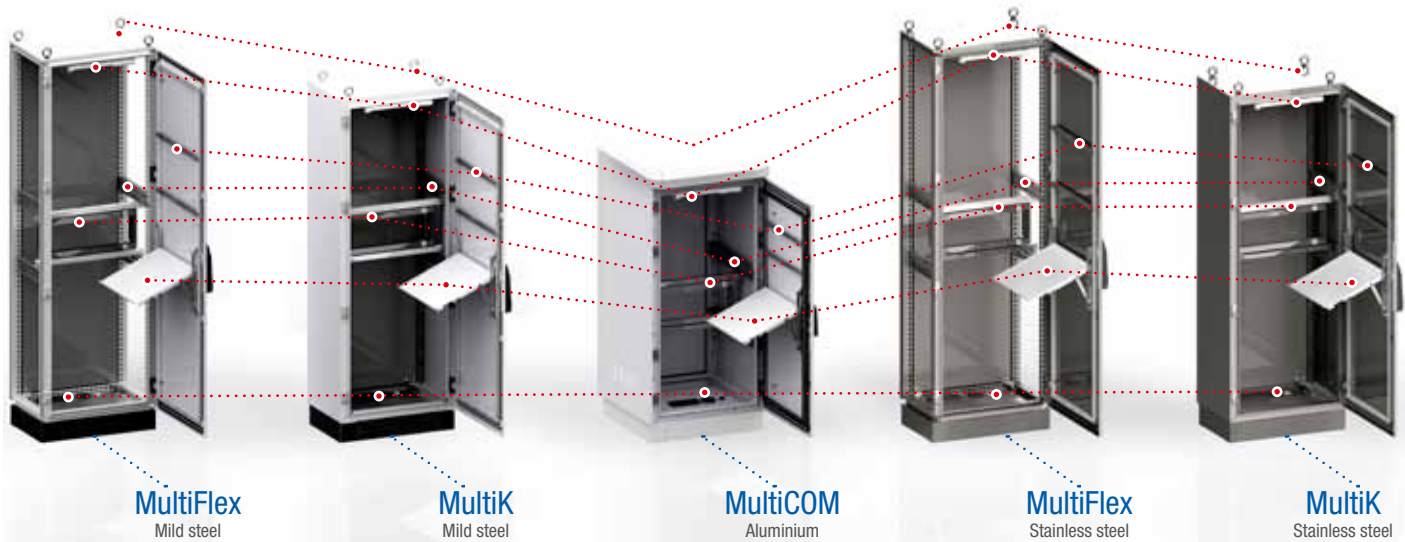
GENERAL CATALOGUE 90



The new Eldon MultiFlex® platform - Easy to work with!

In a major development, Eldon has standardized all of its floor standing product lines around its respected and best-selling MultiFlex enclosure range.

Eldon MultiFlex® platform ACCESSORIES FULLY COMPATIBLE BETWEEN RANGES



Comprehensive range

The MultiFlex-based range of enclosures has been extended with the new MultiK range of compact, “one piece” enclosures and the MultiCOM range, as the special solution designed for outdoor applications. Furthermore, Eldon’s stainless steel range of enclosures, with its compact and combinable versions, will also be based on the MultiFlex platform.

Height (mm)	1200	1400	1600	1800	2000	2200
MultiK					mild steel NEW!	
					stainless steel NEW!	
MultiCOM aluminium		NEW!		MultiFlex stainless steel	NEW!	mild steel

▲ **Table 1.** Eldon’s wallmounting and floorstanding ranges. (For other ranges check cat v 90.)

Product diversity

While the application may change, the same overall platform is consistent from product line to product line. The shift to a modular architecture makes it possible to offer greater product variations and configurations.

There is an Eldon enclosure for every customer need.

	Multiflex Platform						
	Mild Steel			Stainless Steel		Aluminium	
	MultiFlex	MultiFlex	MultiK	MultiFlex	MultiK	MultiCOM	MultiCOM
	MCS - MCD	MKS-MKD	EKS-EKD	MCSS-MCDS	EKSS-EKDS	EKOM	EKOM-SW
Construction (removable parts)							

▲ **Table 2.** Eldon’s MultiFlex lines, different product constructions.

Cooling Units



Always seeking to make things easier for our customers, Eldon has launched an entire new line of self-cleaning enclosure cooling units. Targeting OEMs in the automation and control sector, Eldon's new cooling units can keep a broad array of enclosures cool in harsh conditions like those found in factories and production facilities.

Completely maintenance free, the new line of cooling units offers a cooling capacity from 330W up to 3800W.

The new range of cooling units includes models for side/door installation, roof installation, slim in installation as well as a version specifically designed for outdoor use.

protection: **IP 54** cooling capacity: **330-4000W** certificates:

Cable Management



What could be easier than getting all of your cable management needs met directly by the same vendor you trust for top quality enclosures?

How about if your enclosure provider took care of all of the accessory mounting in the factory before the enclosure is delivered to you? That is exactly what Eldon is now offering to OEMs, machine manufacturers and installers.

The new accessory line includes traditional glands and new innovative solutions to meet the market requirement.

SA-SM, OICE



Eager to meet the needs of machine builders, Eldon has launched a new Operator Interface Control Enclosure and a new swing arm system.

Based on Eldon's best-selling MAS wall-mounted enclosure, the OICE represents the perfect enclosure solution for HMI devices like touch screens, keyboards and push buttons that operators use to give instructions to machinery in industrial environments.

The new swing arm system SA-SM has a higher loading capacity than the current system SA-SL. With this new product, Eldon completes the range and offers to the customers new design advantages.

OICE characteristics: protection: **IP 55, IK 55;** dimensions: **H: 300-500 W: 300-600 D: 155-210**

Summary

Range	Products	Page
FLOOR STANDING NEWS		
Mild Steel Floor Standing MultiK	EKS, EKD	4
Outdoor MultiCom	EKOM, EKOM-SW	6
Stainless Steel Floor Standing MultiFlex, MultiK	MCSS, MCDS, EKSS, EKDS	8
AUTOMATION PRODUCTS		
New cooling units range	CUV, CUS, CUH, CUO	10
Swing arms	OICE, SASM	12
Cable management	CPG, CAG, CES, CED, CEP, CEPR, CCF	14



MultiK[®] mild steel floor standing enclosures



EKS/EKD mild steel compact version

Innovative Design:

Symmetrical frame continuously rolled from top to bottom, folded and seam welded.

Integrated front 25mm hole pattern.

Body made of one piece with welded rear panel

Maximum protection :

EKS IP66, NEMA 4,12, 13
EKD IP55, NEMA 12,13

Comprehensive range:

Up to 34 different standard sizes:
Height: 1200-2000
Width: 600-1600
Depth: 300-500

Easy to work with:

The new line is standardized around MultiFlex platform.
Full compatibility with MultiFlex accessories range.



Detail of the Integrated front 25mm holes pattern



Detail of the door gasket and reinforcement profile



Detail of MultiFlex accessories range. Perfect compatibility.

EKS – mild steel compact version, single door enclosure



Protection: **IP 66; NEMA 4, 12, 13; IK 10**

Dimensions: **H: 1200-2000, W: 600-1000, D: 300-500**

Certificates:



EKD – mild steel compact version, double door enclosure



Protection: **IP 55; NEMA 12, 13; IK 10**

Dimensions: **H: 1200-2000, W: 1000-1600, D: 300-500**

Certificates:



Important note: MAD models with dimensions 1200mm wide will be phased out in the new Catalogue v90.

New model Item n°	EKD12123	EKD12123PE	EKD12124	EKD12124PE
Replaces	MAD1201230R5	MAD1201230PER5	MAD1201240R5	MAD1201240PER5

Technical Information

Material:

Body and welded rear panel:

1.5mm mild steel.

Door:

2mm mild steel.

Mounting plate:

2.7mm galvanized steel.

Body: One piece enclosure body plus welded rear panel.

Integrated depth profiles with hole pattern allowing mounting plate adjustment in depth.

Door: Surface mounted with 4 hinges allowing left or right hand opening. Including door frame with 25mm hole pattern and earthing studs.

Lock: External espagnolette 4-point locking system. Standard fitted double-bit 3mm insert. It can be exchanged for the standard range of inserts, Euro-cylinder and swing handle.

Bottom plates: 1mm galvanized steel. Consists of two pieces or three (D > 300) pieces.

Mounting plate: Double folded and slides into position.

Adjustable in depth by steps of 25mm. In the enclosure's delivery, mounting plate is attached on the outside of the enclosure packaging.

Earthing: Door is equipped with welded earthing studs and earthing to the frame can be accomplished by using the ECF.

Finish: RAL 7035 structure powder coating.

Delivery: One piece body with fitted door, bottom plates and mounting plate, including door earthing studs. The enclosure is delivered on a pallet with identical width as the enclosure to allow installing of equipment without removal. Mounting plate is supplied on the outside of the enclosure packaging. All the packing material is recyclable.



MultiCOM Outdoor Aluminum floor standing enclosures



Innovative Design:

The double wall construction has an air cavity between the inner housing and outer wall which - together with the ventilation grids - allows air flow, minimizing the effect of the sun radiation.

Composed of aluminum with a polyester coating, the new MultiCOM enclosure features an innovative, corrosive-resistant design.

Employing both a security lock, seamless joints and non visible screws, it discourages vandalism.

Easy to work with:

Based on Eldon's MultiFlex platform, all its accessories can be easily utilised in the new range.

EKOM - single door, double wall version



Detail of door air cavity



Detail of the rain hood integrated rain gutter and ventilation grid



EKOM SW vertical divider

EKOM - aluminium outdoor enclosure, double wall version



Protection: **IP 66, IP 55; IK10**

Dimensions: **H: 1200-1400; W: 600-1800; D: 500-600**

Approvals: **EN 61969-3 “Mechanical structures for electronic equipment. Outdoor enclosures”**

Certificate 

EKOM SW - aluminium outdoor enclosure, single wall version



Protection: **IP 66, IP 55; IK10**

Dimensions: **H: 1200-1400; W: 600-1800; D: 400-600**

Approvals: **EN 61969-3 “Mechanical structures for electronic equipment. Outdoor enclosures”**

Certificate 

Technical Information EKOM

Material:

Aluminum AlMg3

Frame: 2mm.

Door: 2mm.

Rear panel: 2mm.

Rain hood: 2mm

Double wall: 2mm

Body: One piece enclosure body. Integrated depth profiles with hole pattern allowing mounting plate to be adjusted in depth. The frame in Multiple door versions, is divided into individual modules by means of vertical dividers

Door: Double walled with top and bottom ventilation openings, allowing air flow. Mounted with concealed hinges, allowing left or right hand opening. Multiple door version, has individual lockable doors.

Rear panel: Fastened from the inside. Standard facilities for rear door mounting.

Double wall: Rear and lateral double walls with top and bottom ventilation openings allowing air flow.

Rainhood: Sloped rainhood with integrated rain gutter and ventilation channels in the perimeter.

Lock: Espagnolette multiple point locking system. Standard swing handle with security lock.

Bottom plates: Supplied as accessory.

Earthing: All panels are earthed through their fittings and are equipped with a separate earthing stud.

Finish: RAL 7035 structure powder coating 100% polyester.

Approvals: Climatic and Chemically active substances resistance according to EN61969-3 “Mechanical structures for electronic equipment. Outdoor enclosures”

Delivery: Frame with fitted door with swing-handle, rear panel, rain hood, and double walls. Delivery also includes earthing bolts. Delivered on a pallet with identical width as the enclosure to allow suiting without removal. All packing material is recyclable. Mounting plate and bottom plates are not included in the standard delivery.



Stainless steel floor standing enclosures



Innovative Design:

Combinable range (MCSS/MCDS):

Profile manufactured using 1.5mm stainless steel, 8 times folded of which two are double bends (3mm thickness). Continuously laser welded from top to bottom.

Compact range: (EKSS/EKDS):

Symmetrical frame design with integrated front/rear 25mm hole pattern

Superior finish:

Designed to meet the highest standard levels in terms of finish and functionality.

Corner formed doors and panels, stainless steel locking system, polished flush weldings.

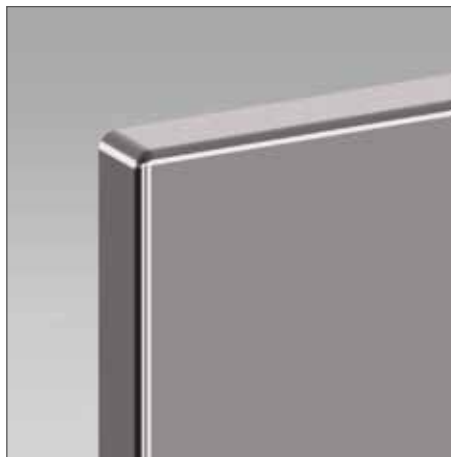
Easy to work with:

The new lines are standardized around the Eldon's MultiFlex platform. Full compatibility with MultiFlex accessories range.

MCSS, EKSS - stainless steel enclosures, single door version



New chrome-plated lock cover



Detail of the corner formed door



New stainless steel profiles

MCSS - MultiFlex stainless steel floor standing enclosure, single door version



Protection:
IP 56; NEMA 12, 13; IK 10

Dimensions:
H: 1800-2000
W: 600-1000
D: 500-600

Certificates:

MCDS - MultiFlex stainless steel floor standing enclosure, double door version



Protection:
IP 55; NEMA 12, 13; IK 10

Dimensions:
H: 1800-2000
W: 1000-1200
D: 500-600

Certificates:

EKSS - MultiK stainless steel floor standing enclosure, single door version



Protection:
IP 66; NEMA 4x, 12, 13; IK 10

Dimensions:
H: 1400-2000
W: 600-1000
D: 400

Certificates:

EKDS - MultiK stainless steel floor standing enclosure, double door version



Protection:
IP 55; NEMA 12, 13; IK 10

Dimensions:
H: 1200-2000
W: 1200-1600
D: 400

Certificates:

Important note: The stainless steel Excellence line will be phased out after more than 20 years in the market. It will be replaced by the new Stainless steel MultiFlex range of enclosures. In both compact and combinable versions. In addition, ADR models with dimension 1200mm wide will be phased out in the new Catalogue v90.

New model Item n°	MCSS (e.g. MCSS18085)	MCDS (e.g. MCDS20086)	EKSS (e.g. EKSS18064)	EKDS (e.g. EKDS18124)	EKDS12124
Replaces	CSS (e.g. CSS18085)	CDS (e.g. CDS20086)	KSS (e.g. KSS18064)	KDS (e.g. KDS18124)	ADR12124

Technical Information

MCSS Material: AISI 304 pre-grained stainless steel / AISI 316L
Frame: 1.5mm.
Door: 2mm.
Rear, roof and side panels: 1.5mm.
Bottom plates: 1.5mm stainless steel.
Mounting plate: 2.7mm galvanized steel.

EKSS Material: AISI 304 pre-grained stainless steel / AISI 316L
Body and removable rear panel: 1.5mm.
Door: 2mm.
Bottom Plates: 1.5mm.
Mounting plate: 2.7mm galvanized steel.

Door: Mounted with four hinges allowing left or right hand opening. Including door frame with 25mm hole pattern.

Rear panel: Fitted by M6 torx screws. Standard facilities for rear door mounting.

Side panels: Supplied as an accessory (MCSS).

Roof panel: Removable (MCSS). Fixed (EKSS)

Lock: Espagnolette 4-point locking system. Does not interfere with the enclosure inner space. Standard double-bit 3mm lock. Can be exchanged for standard inserts or Euro-cylinder and swing handle.

Bottom plates: One piece bottom plate with injected polyurethane gasket to ensure maximum sealing.

Mounting plate: Double folded and slides into position. Adjustable in depth by steps of 25mm with the MPD02 accessory. Mounting

plate is delivered attached on the outside of the enclosure packaging.

Earthing: All panels are earthed through their fittings and are equipped with a separate earthing stud.

Finish: 240s pre-grained stainless steel (0.5 microns average).

Delivery: Frame with fitted door, rear panel, roof panel, bottom plates, mounting plate and door frame. Delivery also includes earthing bolts. Delivered on a pallet with identical width as the enclosure to allow suiting without removal. All packing material is recyclable. Mounting plate is on the outside.

Mounting requirement: Standard delivery ready for combined installation. For stand-alone installation add side panels.



Eldon cooling units

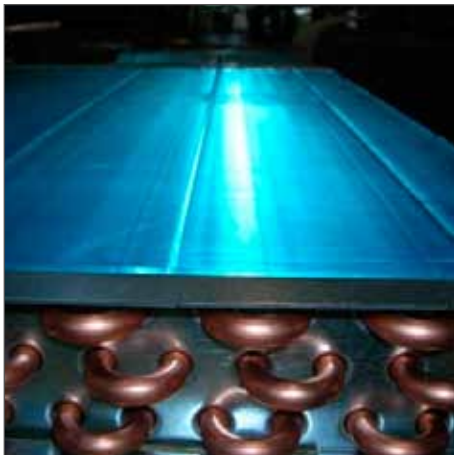


CUH - mounted on top of enclosures

The condenser coil with more distance between the fins and hydrophilic paint, makes the Eldon cooling units maintenance free.

The condensate dissipator which is included in almost all the cooling units reduces the risk of water penetrating into the enclosure.

Most models are equipped with an **electronic control board**, allowing the enclosure status to be checked and temperature to be set from outside the enclosure.



Hydrophilic paint in the condenser coil



Condensate dissipator



Electronic control board

CUV - vertical mounting cooling unit



High performance cooling unit mounted flush with the outside surface so maximizing space inside the enclosure.

Starting from 500W, equipped with electronic control board, and from 1050W with condensate dissipator

approvals:  

protection: **IP 54**

cooling capacity: **330 up to 4000W**

Temperature limits inside: **25°C to 45°C**

Temperature limits outside: **20°C to 55°C**

CUS - slim-in mounting cooling unit



High performance cooling unit for partially recessed installation, providing effective use of space in front and side mounting.

All the units are equipped with electronic control board and condensate dissipator

approvals:  

protection: **IP 54**

cooling capacity: **850 up to 2500W**

Temperature limits inside: **25°C to 45°C**

Temperature limits outside: **20°C to 55°C**

CUH - roof mounting cooling unit



High performance cooling unit for top installation. Easy installation with a quick release mounting frame.

Equipped with electronic control board, and starting from 1400W with condensate dissipator

approvals:  

protection: **IP 54**

cooling capacity: **600 up to 3800W**

Temperature limits inside: **25°C to 45°C**

Temperature limits outside: **20°C to 55°C**


CUO - outdoor mounting cooling unit



High performance cooling unit for vertical installation in outdoor installations.

The mechanical thermostat is inside the unit and is adjustable between 25°C and 45°C.

Manufactured in galvanized steel or stainless steel as standard, the 316 stainless steel version is available on request. The stainless steel version has polyurethane protection on the coil.

approvals: 

protection: **IP 54**

cooling capacity: **850 up to 2000W**

Temperature limits inside: **25°C to 45°C**

Temperature limits outside: **20°C to 55°C**

Swing arm systems



OICE, SA SM - Swing arm system

The OICE enclosure is based upon the MAS enclosure, and many of the MultiMount accessories can be used.

Pre drilled fixing holes, suitable for both Eldon swing arm systems, SL and SM.

The new swing arm SM increases the loading capacity up to 125 Kg.



Based upon the well-know MAS enclosure



The aluminium front cover for easier machining for HMI devices



Stronger swing arm for higher requirements

OICE, Operator Interface Control Enclosure



Protection: **IP 55**

Dimensions: **H: 300-500, W: 300-600, D: 155-210**

Mounting facilities **with the BPP profiles**

Customization available: **Colour, size, machining...**

SA SM, Swing Arm medium system



Different items to build any configuration

Loading capacity **up to 125 Kg**

Suitable for the control panel OICP,
and for the control enclosure OICE

Technical Information OICE

Material:

Body and door: 1.2mm mild steel.
Front cover: aluminium.
Handles: plastic

Body: Folded and seam welded, with maximum opening. The front fitted with an aluminium front panel. Handling grips mounted to front, left and right edges.

Rear door: Surface mounted with 130° opening. Concealed removable hinges with captive pin. Hinges can be mounted to allow left or right hand opening. Door profiles MMDP are available as an accessory.

Lock: Customised lock with double grip for easy opening of the door. Double-bit 3mm insert and 90° movement. Other inserts and locks are available as an accessory.

Protection: Complies with IP 55.

Finish: RAL 7035 structure powder coating.

Approvals: CE.

Delivery: Enclosure with aluminium front panel, rear door, plastic double-bit 3mm key, and mounting accessories.

Cable management



Ideal solution for each installation requirement.

- ▶ Strain relief
- ▶ Space used inside and outside the enclosure
- ▶ Sealing type
- ▶ High IP
- ▶ For cables with or without connectors already installed

Eldon offers customized enclosures to make the mounting of these cable management accessories easier



Individual glands with different features



Solutions for enclosures with high density of cable entries, saving up to 50% compared with individual cable glands



Cable entry with integrated seal specially designed to install cables with connectors already assembled

CPG, Cable plastic gland



IP 68

Temperature resistance: **-25°C to +100°C**

Material: Polyamide PA6

M12 up to M63

CAG, Cable anchorage gland



IP 67 / 65

Temperature resistance: **-20°C to +125°C**

Material: TPE and Polyamide

M20 up to M25

CES, Simple protection cable entry



IP 67

Temperature resistance: **-50°C to +125°C**

Material: TPE (Thermoplastic elastomer)

M16 up to M32

CED, Double protection cable entry



IP 67

Temperature resistance: **-40°C to +110°C**

Material: EPDM

M12 up to M50

CEP/CEPR, Cable entry gland plate



IP 65

Temperature resistance: **-30°C to +70°C (90°C for CEPR)**

Material: Polyamide and TPU/NBR/EPDM

For cables with diameter of 3mm up to 20mm

CCF, Connected cable entry gland plate



IP 54

Temperature resistance: **-40°C to +140°C**

Material: Polyamide and thermoplastic rubber

For cables with diameter of 3mm up to 16mm



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