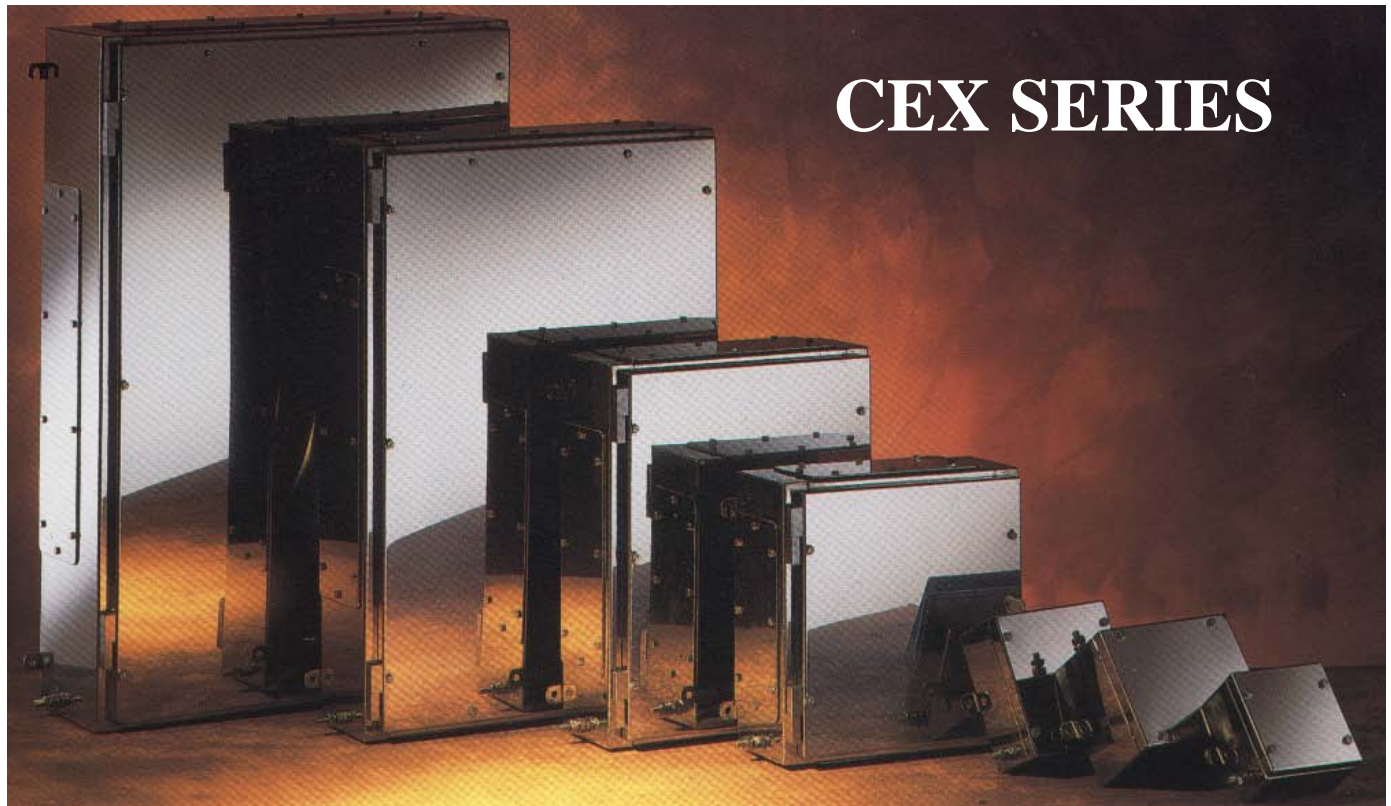


# CE-TEK EEx'e' STAINLESS/MILD STEEL ENCLOSURES



**T**HE CE-TEK CEX RANGE OF STAINLESS AND MILD STEEL ENCLOSURES HAS BEEN DEVELOPED USING 20 YEARS EXPERIENCE IN ENCLOSURES FOR THE OIL AND GAS INDUSTRIES. THE RANGE COMBINES ALL OF THE FEATURES DEMANDED BY THE INDUSTRY WITH THE BENEFIT OF REDUCED COSTS OF OWNERSHIP IN LINE WITH CURRENT CRINE INITIATIVES. BY USING THE LATEST IN COMPUTERISED MANUFACTURING TECHNIQUES AND IMPROVED DESIGNS OF CONSTRUCTION THE CEX RANGE OFFERS SIGNIFICANT COST SAVINGS OVER OTHER TYPES ON THE MARKET TODAY.

WITH THE COST OF OFFSHORE INSPECTION AND MAINTENANCE PROGRAMMES BEING SO LARGE TODAY, ANY REDUCTION IN INSPECTION CYCLES CAN VASTLY REDUCE THE COST OF OWNERSHIP. WITH THIS IN MIND THE CEX SERIES HAS BEEN DESIGNED USING THE HIGHEST GRADE OF MATERIALS FOR ALL COMPONENTS AS WELL AS ACHIEVING THE HIGHEST POSSIBLE INGRESS PROTECTION STANDARDS RESULTING IN SIGNIFICANT REDUCTIONS IN INSPECTION INTERVALS WITH THE CONSEQUENT COST SAVINGS THIS BRINGS.

THERE ARE SEVEN SIZES IN THE RANGE AS STANDARD STOCK PRODUCTION, HOWEVER BECAUSE OF THE FLEXIBILITY IN OUR CERTIFICATION TO EN 50 014, EN 50 019 AND EN 50 020 GENERATION D WHICH USES THE I<sup>2</sup> R PRINCIPAL WE ARE ABLE TO CUSTOM BUILD NON STANDARD SIZES TO CUSTOMER SPECIFICATION.

THE ENTIRE SERIES IS AVAILABLE IN FIRE RATED VERSIONS SUITABLE FOR USE IN TEMPERATURES OF UP TO 950° C FOR 3 HOURS TO BS 6387 CWZ.

# SPECIFICATION

## Material

Either 1.5mm thick 316L stainless steel or mild steel for the bodies and lids and 2mm for the gland plates.

## Finish

Bright mirror finish on stainless steel enclosures and powder coated to RAL 7032 on mild steel with the option of hot zinc metal spray galvanising for increased corrosion resistance.

## Gaskets

Single piece closed cell neoprene single piece halogen free.

## Security

Padlock hasp standard on sizes CEX 4,5,6,7&8.

## Temperature

-40°C to +130°C with the option of fire tested versions which are suitable for temperatures of 950° C for three hours.

## Fixings

All lid fixings and gland plate bolts are manufactured from stainless steel.

## Degree of

By using a single piece gasket on the door and the gland plates and because of the turned out flange on the enclosure body a minimum of standard of IP 66 is achieved. For a slight increase in cost, versions are available to IP67 and IP68 up to 30 metres submersion depth.

## Approvals

Certified to the latest generation D standards EEx'e' II T6 to BS 5501 part 1 and part 6 , EN 50 014 and EN 50 019 and EEx'i' to BS 5501 part 1 and 7, EN 50 014 and EN 50 020. All sizes are certified to be fitted with any make of terminal provided that they are themselves EEx'e' certified. In addition all sizes are component certified which allows for other apperatus to be installed and a seperate approval sought.

## Wall

## Mounting

All units are fitted with heavy duty welded backstraps in 2mm thick **316 stainless steel or mild steel. The top two straps are slotted to facilitate easier mounting on a wall or fixture.**

## Earth Studs

An earth stud size M10 is standard on all sizes. As an option earth studs can be fitted to all gland plates and wired together in a ring to the main enclosure earth stud.

## Options

Punched or threaded entries in either the box walls or gland plates, component mounting plates, earth bars isolated or wired to the box earth stud. Fully assembled EEx'e' control panels with indicators, pushbuttons and ammeter. Special sizes to customer specification, please consult our technical support desk for further details.□□□□

## TERMINAL POPULATION CHART

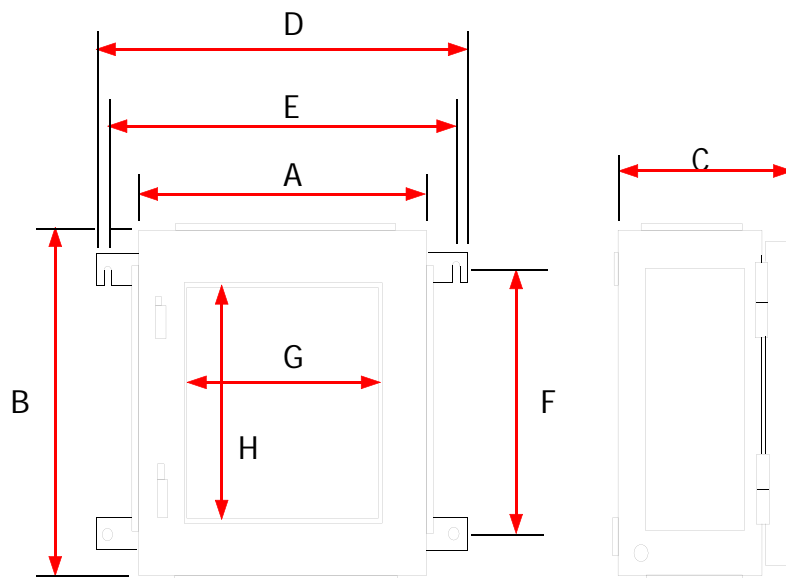
	Terminal Size 2.5mm	Terminal Size 4mm	Terminal Size 6mm	Terminal Size 10mm
CEX SIZE 1	8	7	5	4
CEX SIZE 2	15	14	11	9
CEX SIZE 3	19	18	14	11
CEX SIZE 4	80	74	60	48
CEX SIZE 5	186	168	138	111
CEX SIZE 6	380	348	284	228
CEX SIZE 7	600	550	450	360

### NOTE

The quantity of terminals detailed may exceed the maximum dissipated power factor for the enclosure if used at full load current. In this case it may be necessary to derate the terminals inside the enclosure. Please consult our technical help desk for details.

## ORDERING CODES

Enclosure Type	Part No Stainless Steel	Part No Painted Mild Steel	Enclosure Dimensions (mm)		
			Height	Length	Depth
All plain sides CEX Size 1	CE601 000	CE701 000	143	143	93
All plain sides CEX Size 2	CE602 000	CE702 000	193	193	93
All plain sides CEX Size 3	CE603 000	CE703 000	168	218	130
All plain sides CEX Size 4	CE604 000	CE704 000	377	377	156
1 Gland Plate (Base) CEX Size 4	CE604 001	CE704 001	377	377	156
2 Gland Plates (Top & Bottom) CEX Size 4	CE604 002	CE704 002	377	377	156
2 Gland Plates (Sides) CEX Size 4	CE604 020	CE704 020	377	377	156
3 Gland Plates (Base & Sides) CEX Size 4	CE604 021	CE704 021	377	377	156
4 Gland Plates (All 4 Sides) CEX Size 4	CE604 022	CE704 022	377	377	156
All plain sides CEX Size 5	CE605 000	CE705 000	527	427	156
1 Gland Plate (Base) CEX Size 5	CE605 001	CE705 001	527	427	156
2 Gland Plates (Top & Bottom) CEX Size 5	CE605 002	CE705 002	527	427	156
2 Gland Plates (Sides) CEX Size 5	CE605 020	CE705 020	527	427	156
3 Gland Plates (Base & Sides) CEX Size 5	CE605 021	CE705 021	527	427	156
4 Gland Plates (All 4 Sides) CEX Size 5	CE605 022	CE705 022	527	427	156
All plain sides CEX Size 6	CE606 000	CE706 000	827	577	156
1 Gland Plate (Base) CEX Size 6	CE606 001	CE706 001	827	577	156
2 Gland Plates (Top & Bottom) CEX Size 6	CE606 002	CE706 002	827	577	156
2 Gland Plates (Sides) CEX Size 6	CE606 020	CE706 020	827	577	156
3 Gland Plates (Base & Sides) CEX Size 6	CE606 021	CE706 021	827	577	156
4 Gland Plates (All 4 Sides) CEX Size 6	CE606 022	CE706 022	827	577	156
All plain sides CEX Size 7	CE607 000	CE707 000	977	677	208
1 Gland Plate (Base) CEX Size 7	CE607 001	CE707 001	977	677	208
2 Gland Plates (Top & Bottom) CEX Size 7	CE607 002	CE707 002	977	677	208
2 Gland Plates (Sides) CEX Size 7	CE607 020	CE707 020	977	677	208
3 Gland Plates (Base & Sides) CEX Size 7	CE607 021	CE707 021	977	677	208
4 Gland Plates (All 4 Sides) CEX Size 7	CE607 022	CE707 022	977	677	208



BOX SIZE	A	B	C	D	E	F	G	H
CEX SIZE 1	143	143	93	193	168	---	100	100
CEX SIZE 2	193	193	93	243	218	---	150	150
CEX SIZE 3	218	168	130	268	243	---	175	125
CEX SIZE 4	377	377	156	425	400	275	300	300
CEX SIZE 5	427	527	156	475	450	425	350	450
CEX SIZE 6	577	827	156	625	600	700	500	750
CEX SIZE 7	677	977	208	725	700	850	600	900

#### NOTES:

Please refer to the ordering codes overleaf , as an example an enclosure in 316 stainless steel with 3 gland plates and one row of 20 2.5mm terminals type SAK 2.5 would be CE 604021/20/SAK2.5.

#### Accessories:

A wide range of optional accessories are available from the following list; Breather drains in plastic, brass or stainless steel, Top hat label brackets for external labelling without drilling the enclosure lids. Internal and external mounting plates, free-standing angle frames for remote mounting in the field, external rain hoods , fire insulation for critical locations.

In addition to the above enclosure sizes we are able to offer fully certified units in bespoke sizes providing the dimensions range between 143 x 143 x 93mm and 977 x 677 x 208mm, please consult our technical sales desk for a quotation.