

# CONTROL UNITS EExed and Weatherproof GHG 44 Range



## Introduction

This range of EExe enclosures offers a range of enclosure sizes, EExde components and cable entries.

Available in 316 sheet stainless steel and in GRP, these enclosures offer a variety of sizes which will suit most applications.

Pushbuttons, control switches, indicating lamps, meters, potentiometers and terminals can be fitted into the enclosures.

Enclosures may be coupled together to form large control panels. The enclosures are suitable for use onshore or offshore where light weight combined with a high level of corrosion resistance is required.

- ★ Zones 1,2 and safe area.
  - ★ EExed IIC T4/T6.
  - ★ ATEX approved Ex II 2GD\*.
  - ★ PTB Certified.
  - UL listed for USA & Canada.
  - Class I, Div 2, Groups A, B, C, D.
  - Class I, Zone 1, Groups A, B, C, D.
  - Class II, Div 1, Groups E, F, G.
  - A Exde IIC T4, T6.
  - ★ IP65/66\*.
  - ★ Certified Temperature -55°C to +50°C\*.
  - ★ Impact resistant GRP or 316 stainless steel.
  - ★ Retained stainless steel cover screws.
  - ★ Variety of components.
  - ★ Variety of enclosures.
- \*Depending on version.

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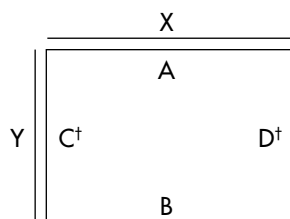
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# Specification

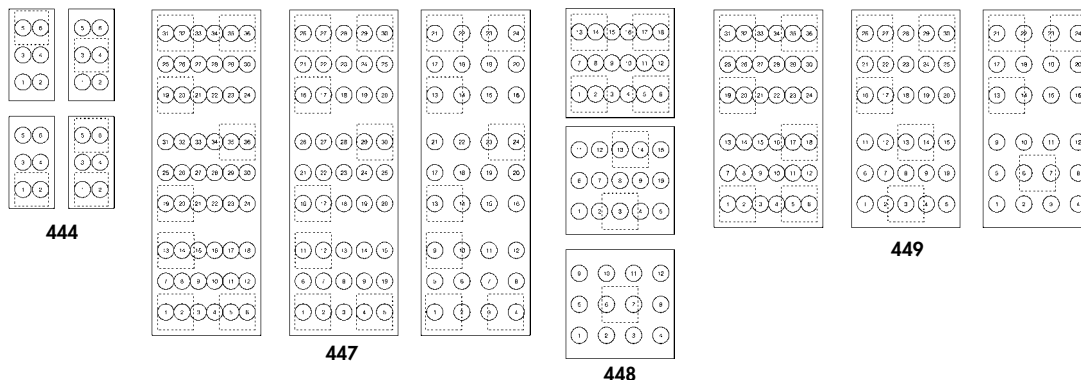
## Enclosure Sizes (mm) & Weights (kg):



Box Type	Dimensions (mm)			Weight (kg) (empty)	Fixing Cent. X	Fixing Cent. Y
	X	Y	Depth*			
444 23	271	134	136	1.5	110	247
448 23	271	271	136	2.5	247	247
449 23	544	271	136	4.5	247	520
447 23	817	271	136	6.5	247	793
444 33	312.5	175	151	1.5	225	247
448 33	312.5	312.5	151	2.5	362.5	247
449 33	627	312.5	151	4.5	362.5	561.5
447 33	941.5	312.5	151	6.5	362.5	876

Note: \* Depth of box only. Excludes depth of actuators or other fittings.  
Fixing screw dim. Ø 7 x 11 mm.

<b>Material:</b>	GRP (44...23 Range) or Stainless Steel (44...33 Range).
<b>Certification:</b>	CENELEC EN50014, 18, 19, EN 60 529, EN 60 947-1-5, EN 60 999, EN 61 058-1. EExed IIC T4/T6, Certificate Nos PTB 99 ATEX 1044. Note: Only GHG44 GRP Range is certified for gas and dust (Ex II 2GD). GHG44 Stainless Steel Range is certified for gas atmospheres only (Ex II 2G). UL/cUL Listed. Class I, Div 2, groups A, B, C, D. Class I, Zone 1 & 2 AExde IIB+H2 T6. Class II, Div 1, Groups E, F, G (cUL).
<b>Ambient Temperature:</b>	-55°C to +50°C. Versions with switch -55°C to +45°C (ATEX Version). See separate US datasheet for UL operating temperatures.
<b>Ingress Protection:</b>	IP66 (IP65 for double push button and measuring instrument).
<b>Finish:</b>	Natural finish.
<b>Maximum number of cable entries per enclosure:</b>	To customer specification or manufacturers standard – contact sales office for details. Entries are provided as clearance hole suitable for standard certified glands unless glands are requested by customer. †Top or bottom entries as standard – for other entries contact MEDC for further information.
<b>Earth/Gland Continuity:</b>	Earth continuity via earth terminal. Gland continuity via brass plate (for plastic enclosures).
<b>Function Layout:</b>	



<b>Pushbuttons:</b>	Standard pushbutton, double pushbutton, mushroom head latching and momentary. Key operated actuators also available. Two sets of terminals per contact block. 2NO, 2NC or 1NO+1NC per actuator.
<b>Switches:</b>	Two or three position, 2 pole or 4 pole.
<b>Indicators:</b>	White, yellow, red, blue and green, 20-250V AC/DC or 12-30V AC/DC. Note clear led with coloured lens.
<b>Meters:</b>	72 x 72 voltmeter or ammeter direct connected up to 30A or 1A CT operated.
<b>Potentiometer:</b>	100Ω -10kΩ, 1 watt, max. voltage 250V.
<b>Terminals:</b>	Refer to GHG 74 Range Terminal Boxes datasheet for more information.
<b>Connection:</b>	Direct to components or via terminal block if requested.

## Ordering Requirements

Please contact MEDC to discuss your requirements.



All the above specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.