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Detailed Specification for ABTECH "MSX" & "SX" Steel Enclosures

❖ Enclosures prefixed **SX** are fabricated from stainless steel 316L. Orbital finish is standard. Electro-polishing is available as an alternative.

❖ Enclosures prefixed **MSX** are fabricated in mild steel and finished in stove enamel grey or to customer requirements. Hot zinc spray is available as an option.

❖ All **ABTECH SX** & **MSX** enclosures are fabricated from 2mm (14 gauge) material for the enclosure carcass and lid and 3mm (10 gauge) material for gland plates. A light weight option is available using 1.5 mm (16 gauge) material on smaller sizes.

❖ Standard mounting is by means of four 3mm thick mounting straps welded to the back of the enclosure. Slotted upper straps ease installation. Custom mounting facilities are available.

❖ Design features: Choice of 30 sizes in 3 standard depth, 140, 200 & 300 mm
                                     Up to 2000 mm depth available on request
                                     Choice of none, 1, 2, 3 or 4 full size gland plates
                                     Heavy duty machined hinges to lift off pad-lockable lid
                                     Captive stainless steel lid fixing screws
                                     "User friendly" internal sliding terminal rails for ease of cabling

❖ Performance features: IP66 minimum. IP67 & IP68 available on request
                                     Shell / ERA deluge tested
                                     Fitted with silicone seals and gaskets as standard
                                     Suitability for ambient temperature ranges between -50°C to $+175^{o}$C (see individual certificates for further details and limitations)
                                     Impact resistance >7Nm
                                     Fire tested to IEC331 for $+750^{o}$C for 3 hours
                                     Fire survival to BS6387 for 950°C for 3hours
                                     All standard sizes suitable for dust hazard area T85^{o}C

❖ Customisation includes special sizes, earthing/grounding arrangements, provision of entries with or without cable glands, blanking plugs or breather drains all to client specification.

❖ High voltage, high current, fault rated versions available.

❖ Approvals: ATEX & IECEx Ex e (Sira), InMetro, FM AEx e, CSA Ex e, GOST-R & GOST-K Ex e, NEMA Type 4X (CSA & UL).

❖ ATEX Increased Safety (Ex e) certified enclosures may be supplied empty with component approval. The final product must then be submitted to a Notified Body for apparatus certification.

❖ ATEX Increased Safety (Ex e) certified terminal boxes are supplied fitted with terminals. These carry equipment certification for use in Zone 1 or Zone 2 hazardous areas. These may not be used in Zone 0 hazardous areas except as part of an intrinsically safe circuit. The Type Examination Certificate 'Sira 99ATEX3171X' applies to these terminal boxes. Please contact our technical department if further clarification is required.

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