

1. HOW TO CHOOSE AN ENCLOSURE

Size is normally the first and most dominant criterion when looking for the right enclosure for a specific application, followed by Enclosure performance i.e. material performance.

Enclosures are generally intended to protect their contents from outside risks.

These risks can be of various kinds and are of decisive importance in the choice of an enclosure.

The main criterion for judging whether a housing meets the protection requirement is a clear definition of the risks to be expected in the environment where the enclosure is to be used.

These are the main conditions to be considered:-

- (a) Protection from contact and penetration by foreign bodies.
- (b) Protection from water penetration.
- (c) Resistance to chemicals.
- (d) Temperature resistance.
- (e) Impact resistance.
- (f) Corrosion resistance

2. PROTECTION MODES

DURO-BOX enclosures are classified under the generally applicable guidelines of EN 60529 and IEC 529 protection classifications.

The protection classification is indicated by the prefix IP followed by two or three digits which define the level of protection.

The first digit indicates the protection level against contact and foreign bodies.

The second digit indicates the protection level against water.

Where applicable a third digit indicates the level of protection against impact.

