



ARCTIC STEEL

Water Strainers

Electro Polishing

The corrosion resistance of stainless steel arises from the chromium rich oxide film that forms naturally on the surface.

Stainless steel can be broken down when the surface is contaminated by iron particles, grease and dirt during the fabrication processes. This results in pitting and crevice corrosion or tea staining.

The critical factor in preventing stainless steel from corrosion is the surface treatment.

Arctic Steel Water Strainers are unique because they undergo an electro polishing treatment.

The electrolytic action caused during electro polishing removes 20- 30 micrometres of the surface, which reduces the peaks and roughness on the surface, removing contaminants and impurities, exposing the pure stainless steel and providing a rich chromium film.

This gives all our strainers a superior defence against corrosion as is evident by the rich shine to our low carbon 316 stainless steel.

Electrolysis

In a high chloride marine environment, electrolysis occurs, causing galvanic corrosion.

To combat this all Arctic Steel Water Strainers are cast with an anode connection lug. To achieve maximum protection this point should be wired to your anode system.

ABS Basket

ABS is Acrylonitrile Butadiene Styrene:

The properties of this type of plastic provide us with the strength and rigidity derived from the Acrylonitrile and Styrene, whilst the Butadiene provides a rubbery toughness, which gives high impact resistance. In addition to this, the plastic performs in a wide range of water temperatures (-25c to +60c).

Robust Design

Designed to meet defence force requirements, featuring: 5 tie down points, swing down 10mm eye bolts, non removable wing nuts, silicone sealing gasket and polycarbonate clear lid option.



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