



STAHLIN NON-METALLIC ENCLOSURES

**RIGHT PRODUCT
RIGHT PRICE
RIGHT NOW**

MADE IN THE
USA COMPLIES WITH
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Morrow-Meadows Corporation Selects Fiberglass Enclosures For Carlsbad Desalination Reverse Osmosis Project

Morrow-Meadows Corporation, an Electrical Contractor incorporated in 1964 in the State of California, is the premier electrical and data communications contractor on the West Coast today.

THE CHALLENGE

Brian Murdick, a Project Manager at Morrow-Meadows Corporation, faced a challenge in which he needed an enclosure to protect electrical equipment at the Carlsbad Desalination Project on the coast of California.

Reverse osmosis is a process that makes desalination (removing salt from seawater) possible. According to Anees U. Malik and Ismail Andijani from the Saline Water Desalination Research Institute, "the RO (Reverse Osmosis) permeate is more corrosive than water produced by thermal distillation due to its high dissolved salts (TDS) level, particularly chlorides."

Due to the nature of the process, the RO environment is extremely corrosive. In addition to the process itself, the exposure to salt air due to the proximity of the RO plant to the Pacific Ocean heightened the risk of corrosion on the enclosure needed for this project.



Stahlin Non-Metallic Enclosures including the N Series Type 4X on far right.

THE SOLUTION TO THE CHALLENGE

"During my search for a fiberglass option, a peer recommended Stahlin Non-Metallic Enclosures, having had success with their products," stated Brian Murdick. "We currently are using Stahlin's N Series Type 4X Configurations with stainless steel hinged and latched down cover," he explained.

Stahlin's N Series Type 4X Configurations are large control enclosures used in a variety of applications involving diverse environmental conditions. The Type 4X product is designed to meet the rigorous demands of indoor and outdoor applications. Control series enclosures are a natural choice for process control where moisture or chemical environments require unique protection, as they provide watertight, corrosion resistant protection against a range of chemicals, windblown dust, rain, sleet and external ice formation.

N Series Design Features:

- Rigid body construction
- Watertight seal
- Memory retaining polyurethane gasketing
- Integral mounting feet for ease of installation
- Panel-mounting inserts molded into frame
- Special panel configurations available, including dead front panels
- Built in padlock hasp
- Sizes ranging from 16" x 10" to 48" x 36"

Stahlin's N Series enclosures meet NEMA 250 Type 1, 3, 3R, 4X, and 12 standards. They can withstand a temperature range from -76°F to 274°F, providing a UL94-5V flammability rating and the assurance of a NFPA No. 101: Flame Spread Class A (1).

To learn more about the chemical resistance of Stahlin's enclosures visit:

http://www.stahlin.com/web_size_img/PDF/Chemical_Resistance.pdf

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BRIAN'S THOUGHTS ABOUT THE SUCCESS OF STAHLIN

Brian Murdick sums up his decision to use Stahlin products, stating that, "these Stahlin boxes were chosen instead because they are lighter weight, easier to handle and install, and will hold up better than the stainless steel in this environment." Facing a challenge in a particularly corrosive environment, Brian's experience with the product shows that the Stahlin enclosure provides ample resistance against corrosion: "I have been using Stahlin boxes for 8 years and have been pleased with the performance of the enclosures and why Stahlin was chosen for this Carlsbad Desalination Project."



Stahlin Enclosures NEMA 4X N and J Series.



TO LEARN MORE ABOUT STAHLIN NONMETALLIC ENCLOSURES VISIT:

<http://www.stahlin.com>



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