Teknosan®
ISI ve ENERJİ SANAYİ A.Ş.

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Underground Scada Telecommunication Containers

Underground steel scada containers are buried and used to protect of internal electronic equipments contained within itself which are for the telecommunication services in Line Valves, Pig and Take-Off stations of Gas and Oil Pipelines. Our company ensures the international quality of manufacturing of containers with over 30 years manufacturing experiences and with specially equipped manufacturing facilities.

QUALITY ASSURANCE TESTS - PRODUCTION APPLICATIONS

- Pneumatic Sealing Test
- Microtest Thickness Measuring
- Pull-off Adhension Test
- Impact Resistance Test
- Holiday Test (15 Kv Voltage)
- Gridle Blasting
- AntiCondens & Epoxy Coating
- Polyurethane Coating

The container is cylindrical and has a locked entrance manhole with double doors, one of which is transparent. Inside the container there is an Equipment room for Scada and Electronic equipment and a Accumulation Room with shelves for batteries. For ventilation of both rooms 4 ventilation pipes with filter tips are connected to the container with flanges.

In addition, walking and equipment mounting platforms, lighting and mounting accessories, drain pump chamber and installation, worktable, ladder and other accessories are available in containers. Our container production, made of 2 types in Ø2500, Ø3100 mm in diameter and can be produced in different sizes upon request.

Container (Type)	TYK-250	TYK-310
Body Diameter	2500 mm	3100mm
Body Length	5000 mm	6000 mm
Manhole Diameter	900 mm	1280 mm
Total Height	3850/4150 mm	4860 mm
Number of Stands	6	6
Weight	3800 Kg	5600 Kg

* TK-310 Type Containers are include manhole connection with flange for ease shipping.

İstanbul E-5 Karayolu 25. km Saray Mah. Gıdacılar Cad. No: 14 KahramanKazan ANKARA | TÜRKİYE

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CONTAINER INTERNAL AND OUTER COATING PROCESS

Following Pneumatic sealing test, our containers are grid-blasted in a quality of SA 2 ½ and painted with AntiCondensate and epoxy to prevent internal condensation.

Outer surface of containers are coated with polyurethane (1200 micron thickness) solvent –free coating material after blasting immediately to provide excellent protection against corrosion 50-60 years under the ground.

This Special Coating Material is applied with Dual Component Hot Airless System spraying in 70°C and 500 bar pressure . During application, the coating parameters like temperature, humidity, dew point and surface temperature are kept ideal level and controlled.

Besides of Polyurethane advanced features, it requires extremely careful and meticulous work for quality assurance during implementation. The coating material pot life is very short and it dries so quickly (Approximately 20 seconds). After the outer surface coating application we test the container and material with test techniques like microtest thickness measuring, 15KV Holiday Test, adhesion test and impact test for quality assurance.

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