

Purever *Cuzart*

WAVE OF LUXE



STAINLESS STEEL IS IN OUR DNA

Through a policy of investment in innovation and technology, Purever established a reputation as a leading name in Water Storage Tanks and Industrial Processing Tanks.

A proactive and highly engineered water solution management strategy will now be the linchpin of every new building development. At the forefront of innovation in this field, Purever Technix offers flexibility with product and engineering that can be tailored to any construction regardless of size purpose or challenge.

YOUR DAY-TO-DAY LIFE Domestic Solutions



YOUR HEALTH Medical Solutions



YOUR BUILDINGS Residential & Commercial Solutions



YOUR HOSPITALITY Horeca Solutions



ABOUT COMPANY

With the 36 years of experience behind us, we have gained immense expertise in the field of customized quality products in Stainless Steel Fabrication. This enables us to understand and cater to unique requirements of our clients. Our Engineers, with professional interaction can understand the exact requirement of our clients.

Further, our design engineers will keep focus on the fine details of the products, as required by the clients. This has helped us in garnering trust and appreciation from a large number of clients, who come back to us for more customize products.

THE RIGHT RESPONSE TO EVERY REQUIREMENT



Customized
your own Tank



Harsh
Water
2205
Duplex
Tank



Super
Hygiene
Titanium
Tank



Big Capacity Tank

STAINLESS STEEL CUSTOMIZED SQUARE TANK

 **Purever**



5 Layers Tanks

Inner Layer
100% Surgical Grade
Stainless Steel

Second Layer
Thermal Insulation
(+110 Deg C to -180 Deg C)

Third Layer
FG-Clad Fire Resistance Insulation

Fourth Layer
High Density P.U Foaming

Outer Layer
Stainless Steel 304

GENERAL FEATURES FOR SQUARE TANK

INSULATIONS BY:



Perfect Strength and Durability

The Stainless Steel Square tank having a non welding corners maintain the best endurance by using FEM analysis and externally heavy thickness stiffeners gives best performance.

Factory Fitted Insulations

The tank capacity upto 6000 liters are preinsulated with nitrile, FG clad and polyurethane form providing outstanding thermo performance and keep the water with in the tank at a ambient temperature.

Versatile Capacity Design

Cuzart Provide full support of customized design and engineering make installation of tanks possible in any dimensions or capacities.

Hygiene

Using non-toxic materials and stainless steel. So it is suitable for used in contact with potable water.

Sanitation

Cuzart Tank has designed the Tanks in such a way that all surfaces are smooth, especially around the welds and connections. The eliminates the creation of non-flow zones which could cause legionella growth.

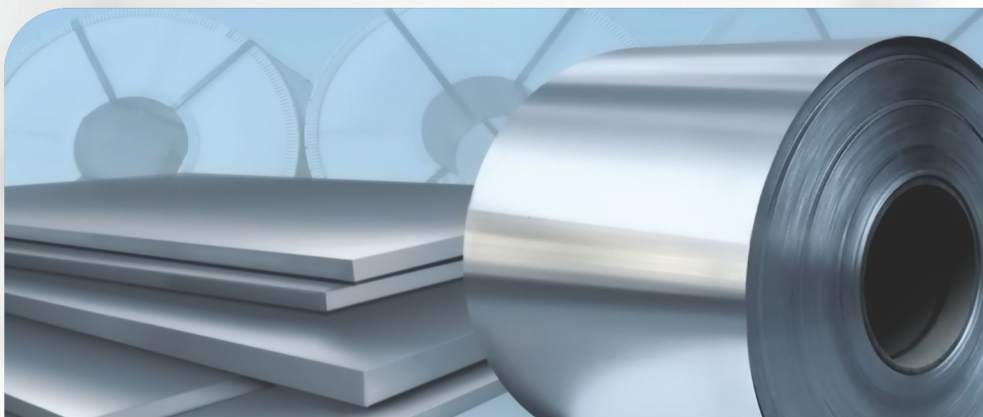
Flexible design and Modular shape

Being flexible and modular, FTC Panel tank can be assembled and fitted as per site requirement with different shapes to make full use of the available space. Tanks length and width can vary with the possibility to reach high on special request.

TECHNICAL FEATURES FOR SQUARE TANK

We know that every application is unique, we design each tank individually, so you never have to adapt your processing operations to our products. With

customized designs from Purever, you determine the precise specifications to meet your requirements.



Stainless Steel Grade

- Stainless Steel 316Ti
- 2205 Duplex Grade Stainless Steel

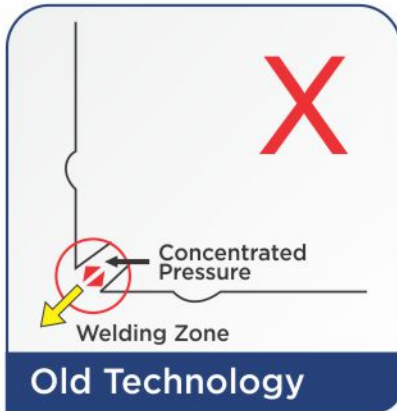
Thickness

1.5mm

Optional Thickness

2.0mm, 2.5mm, 3.0mm, 4.0mm, 5.0mm

Stainless Steel Availability



Old Technology

The existing and old designed welded water tank has a problem of parting due to concentrated pressure on the corner.



New Technology

Non Welded corner rounded water bended by 90 degree is developed to complement such problem and it has hugely improved the stability by spreading the concentrating pressure.



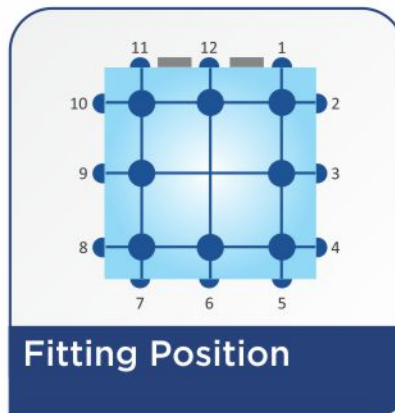
Aesthetic Design

Cuzart Stainless Tanks can be recognised by their thermo formed diamond imprint insured rigidity the symbol also represent the product originality.



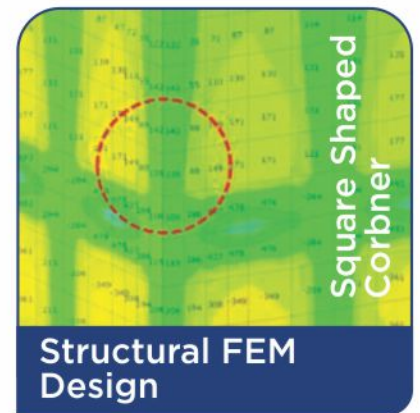
Outside Reinforcing Stiffeners

Heavy thickness Stainless Steel Channels are installed outside of the tank to improve the stability of structure. Tanks upto 6000 litres have no internal tie-rods and the higher tank capacity require internally and externally tie-rods.



Fitting Position

As per the position select the custom fitting (Inlet, Overflow and Outlet) of your Stainless Steel Water Tank.



Structural FEM Design

We performed structure analysis by the FEM (Finite Element Method) to secure credibility on a reinforcement system and the intensity of panels and pursue the optimal design. By inputting all possible factors such as hydrostatic pressure, seismic load, snow load, wind load etc. we estimated the stress and distortion level.



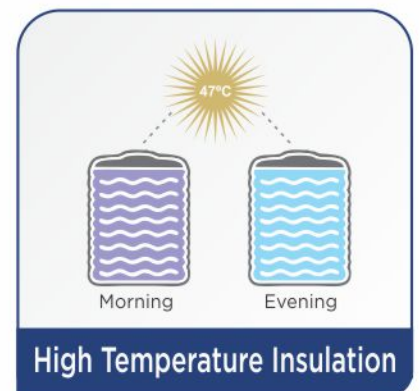
Strong Floor Frame

The floor structure of Cuzart Tank after ensembling the whole frame so carry stronger and greater performance. Its horizontally accurate by facilitating welding work



Dew Proofing

Insulation with Five Layer structure improve the insulation effect. maximize dew proofing and minimize temperature variation to the stored water.



High Temperature Insulation

Cuzart water storage tanks do not heat up the water like a ordinary Plastic/Steel tanks. The temperature maintenance the whole days the same while pouring the water.

CUSTOMIZED.

ARTISTIC.

COLORS.

OUTSIDE COLORED STAINLESS STEEL OF TANKS



GOLD
COLOR



BLACK
COLOR



ROSE GOLD
COLOR



BLUE
COLOR



OUTSIDE CLADS OF TANKS IN WOOD



HEATHER PINE - 9101



INNATE WENGE - 9102



ENIGMA - 9104



LORRAINE WALNUT - 9107



SNAKE WOOD - 9109



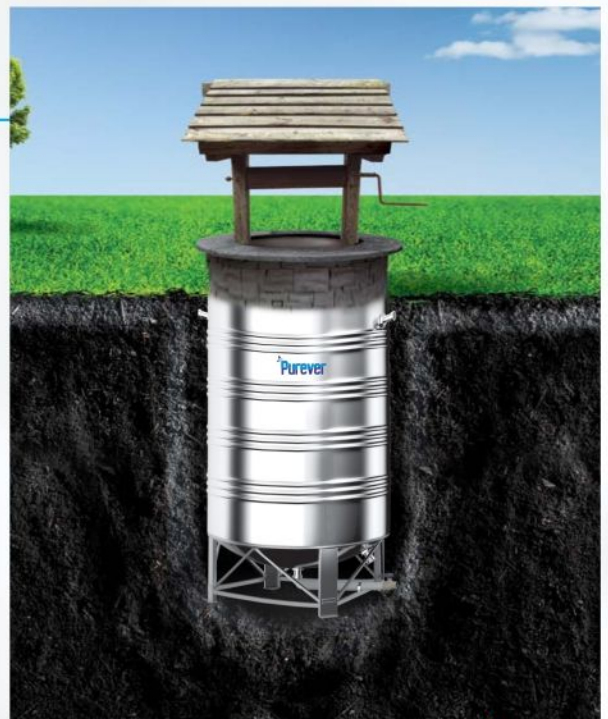


Tropinox

Product Overview

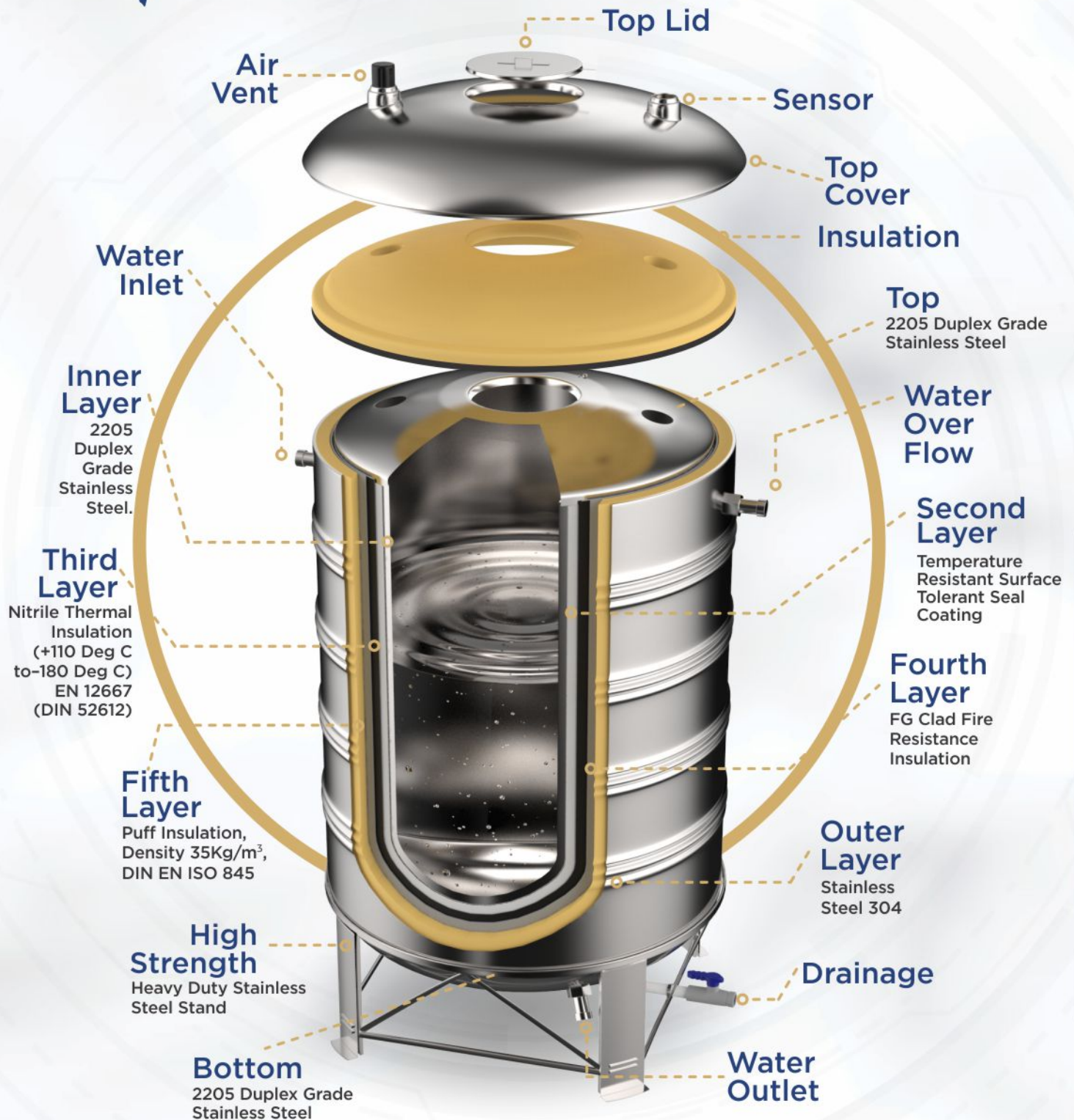
In recent years metallurgists have developed superior grades of stainless steel known as Duplex (2205), having increased levels of chromium, nickel, molybdenum and nitrogen compared to popular grade 316. When you are looking to install Stainless Steel Water Storage Tank on your private well or community group scheme, then you don't need to look any further than the Purever Tropinox designed with aggressive water in mind the tank has significant design

characteristics making it better suited to harsh environment. The only stainless steel tank available on the Indian market that has a guarantee against corrosion damage due to aggressive water.

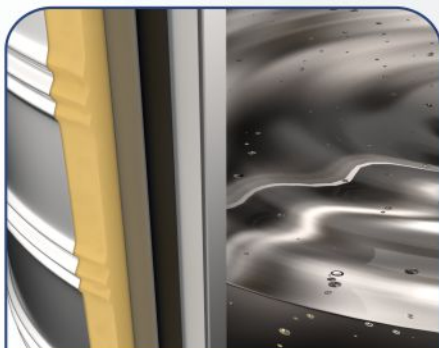


Tropinox

Purever



Features



Six Layer Technology

The high-grade Class-O Nitrile Insulation and FG-Clad Fire resistance insulation which we procure from Italy, and minimum 50 mm and maximum 100 mm high-grade CFC/HCFC free polyurethane PU rigid foam insulation.



INNER LAYER

2205 Duplex Grade Stainless Steel.

SECOND LAYER

Temperature Resistant Surface Tolerant Seal Coating

THIRD LAYER

Nitrile Thermal Insulation (+110 Deg C to -180 Deg C)

FOURTH LAYER

Fire Resistance Insulation

FIFTH LAYER

High Density P.U Foaming

OUTER LAYER

Stainless Steel 304



Inner Tank

The Tropinox tanks feature an ultra smooth non-corrugated Interior surface which effectively prevent lime scale deposits, all welded construction which ensures consistent efficiency over time.



High Corrosion Resistance

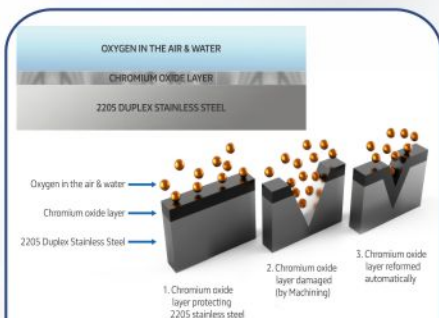
Duplex stainless steels good strength and excellent resistance to stress corrosion cracking in both general aqueous corrosion and chloride stress corrosion.

1.5 mm Thickness



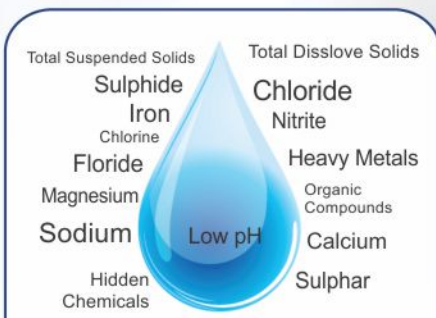
Thickness

Tropinox tanks are pressurized the thickness of stainless steel is **1.5 mm** which are on average around 80% thicker than other manufacturers, of the same general capacities and dimensions.



Chromium Oxide Layer

The 22% of chromium content 2205 grade combines with oxygen in the air and water forms of passive layer of protection which prevents corroding when exposed to the dissolved oxygen and other aggressive elements found in all potable waters.



Universally Suitable

When the customer suffering from Harsh water corrosivity, such as pH, sulphates, Chloride, hardness, conductivity, (TDS) total dissolved solids, iron and the ionic strength of the water, then Duplex Stainless steel is the best option.



The Unmatched Strength

	304	316L	2205
Ultimate Tensile MPa	515	515	700
0.2% Proof Strength	205	205	570
Hardness Brinell (max)	200	200	290



Water Level Controller

Automatic water level controller so that the water does not exceed the capacity of the tank.



Customized Flexible Fittings

Tropinox Tanks can be ordered with multiple fittings, main sizes are available in 1", 1.5", 2", however larger sizes and custom configurations are available upon request. This makes possible an optimum scope for Manifold connections



Big Manhole

The cap hole is big enough to ease the process of inspection, maintenance and upkeep.



Quality Control & Testing

Throughout the manufacturing process all the tanks and vessels are subject to stringent quality checks. An overall test forms part of the FAT (Factory Acceptance Tests) procedures and the relevant documentation forms part of the FAT protocols.



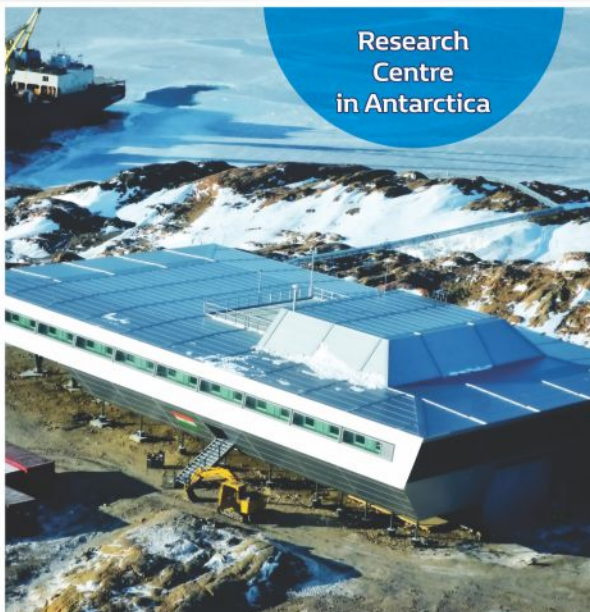
Pressure Equipment Directive

The design and manufacturer of pressurized tank meet the requirements of european pressure equipments directives.



Weld Quality

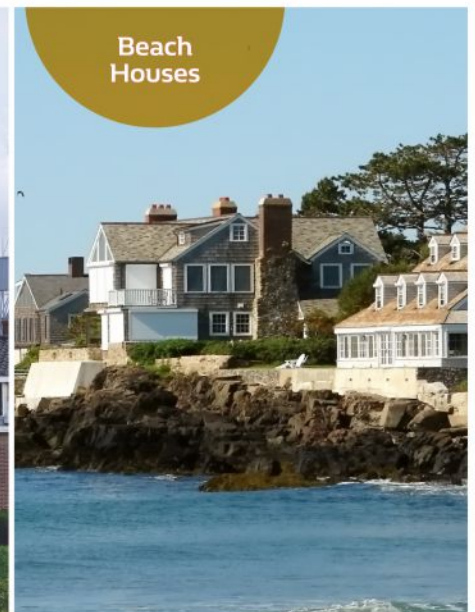
These tanks are Pulse Tig welded with the most advance automated welding techniques to allow for more precise welding, providing a concentrated heat source.



Research Centre in Antarctica



Houses Near Factories



Beach Houses



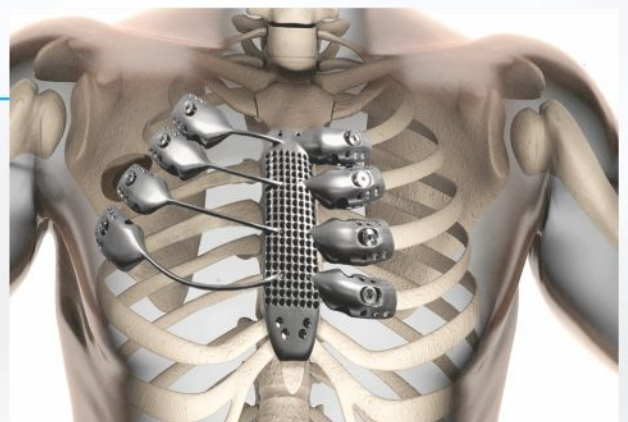
Silvinox

For the Health of your Family

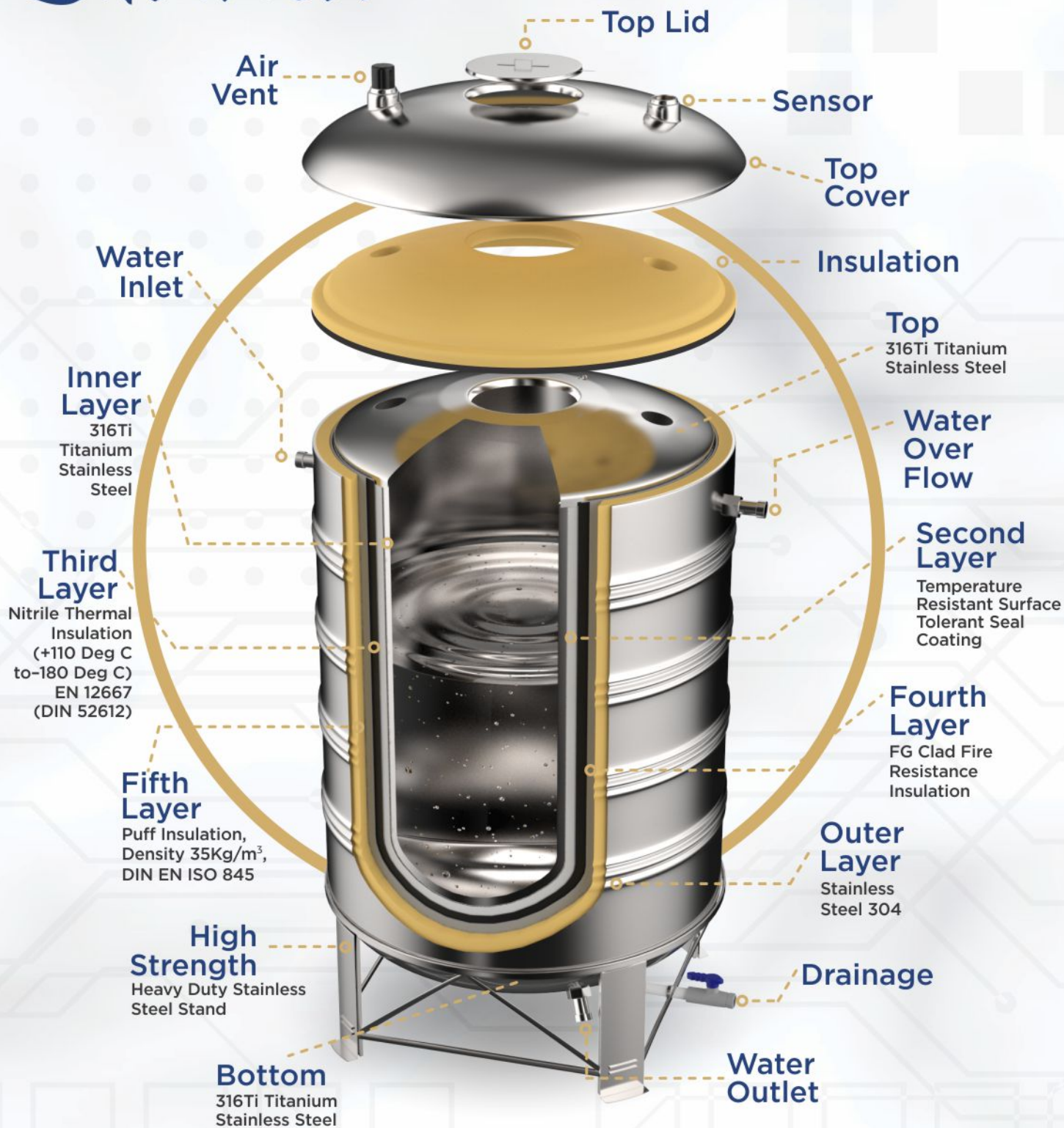
Product Overview

Purever Solutions Titanium is another step forward in positioning water storage as the “Integrity” leader in the industry. Purever continues to invest in technology that truly enhances performance, value, and benefits for your family. Titanium is the highest grade of steel used in the biomedical implants, which is 100% clean, non-corrosive, non-porous, and highly resistant to chemical attack

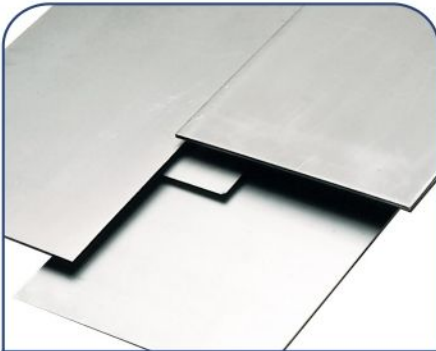
The most important layer on Water tank is the layer that touches your water. Purever uses 316Ti technology that combines 316 Stainless Steel with Titanium. This advancement provides you the peace of mind, that when you are storing water for your family, you are using the cleanest, safest materials available in the world today.



Silvinox Purever



Features



Titanium Stainless Steel

Inner tank made of 316Ti highest grade of steel used in the biomedical implants, which is 100% clean, non-corrosive, non-porous and highly resistant to chemical attack.



INNER LAYER

316Ti High Performance Hygienic Stainless Steel.

SECOND LAYER

Temperature Resistant Surface Tolerant Seal Coating

THIRD LAYER

Nitrile Thermal Insulation (+110 Deg C to -180 Deg C)

FOURTH LAYER

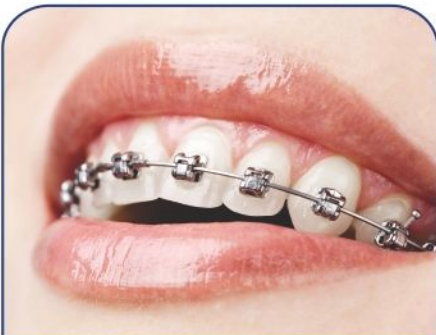
Fire Resistance Insulation

FIFTH LAYER

High Density P.U Foaming

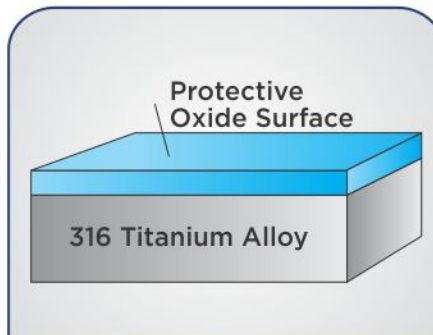
OUTER LAYER

Stainless Steel 304



Implant Surgical steel

The original development of this material is based on 316. Implant grade stainless steel have specific requirement "Titanium" for Implant concern Bio-compatibility.



Titanium Oxide Self Heal

Titanium oxide is hygroscopic and will form on the surface of titanium alloys if sufficient levels of oxygen are present in the media surrounding. Titanium oxide exhibits good photo catalytic properties, hence is used in antiseptic and antibacterial compositions which Degrading organic contaminants and germs.

1.5 mm
Thickness



Thickness

Silvinox tanks are pressurized the thickness of stainless steel is **1.5 mm** which are on average around 80% thicker than other manufacturers, of the same general capacities and dimensions.

SENSITIZATION EFFECT

Chromium Carbide Precipitation

Resistance to sensitization in 316Ti with titanium additions to stabilize the structure against chromium carbide precipitation, which is the source of sensitization.



Act As Natural Wood

When considering the clean ability of Stainless steel 316Ti compared with other material such as plastic, aluminum and ceramic, St. steel is far best. After one Hot water wash the Stainless steel 316Ti asct as natural wood which virtually free from Bacteria retention.



Pure Innovation

Early identification of market requirements making highest quality due to uncompromising use of high grade stainless steel. In-house engineering, materials research and development team, designing high degree of safety due to hermetic encapsulation and gapless airtight storage.



Exceptional cleanliness

The ultra smooth non- corrugated Interior surface which effectively prevent lime scale deposits. The all-welded construction is completely watertight ensuring constant excellent water quality and reliable long-lasting water storage.



Natural Water Flavor

Enhance natural water flavor and preserves natural nutrients even with coming into contact with the natural salts.



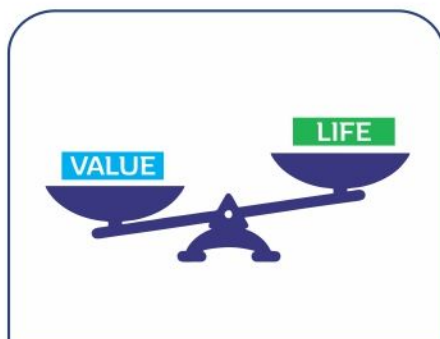
Quality Control & Testing

Throughout the manufacturing process all the tanks and vessels are subject to stringent quality checks. An overall test forms part of the FAT (Factory Acceptance Tests) procedures and the relevant documentation forms part of the FAT protocols.



No Repair & Maintenance

Non-pressurized or corrugated stainless steel tanks require frequent maintenance and can be difficult to repair if they become damaged. But thicker gauge tanks require very less maintenance and can be repair after 10 years.



Value

Silvinox Stainless steel tanks can cost little higher than normal unpressurized steel tanks, however this is marginal in comparison to the difference in lifespan, with stainless being the cheapest over the long term



Tremendous Durability

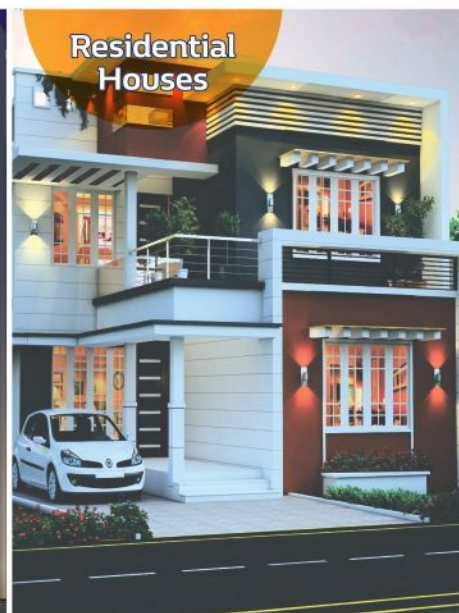
Relatively high resistance against rough materials. They will last longer than an ordinary tank. Not affected by any vulnerability. No risk involved such as cracking, freezing, and rusting.



Dialysis Machine in Hospitals



Hospitals



Residential Houses

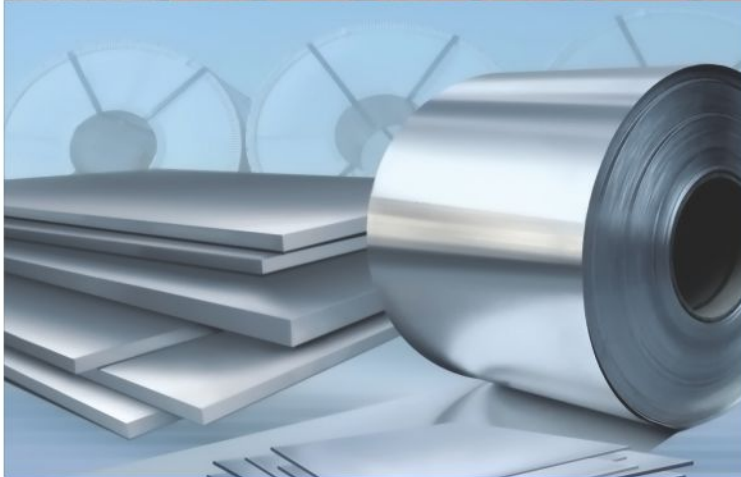
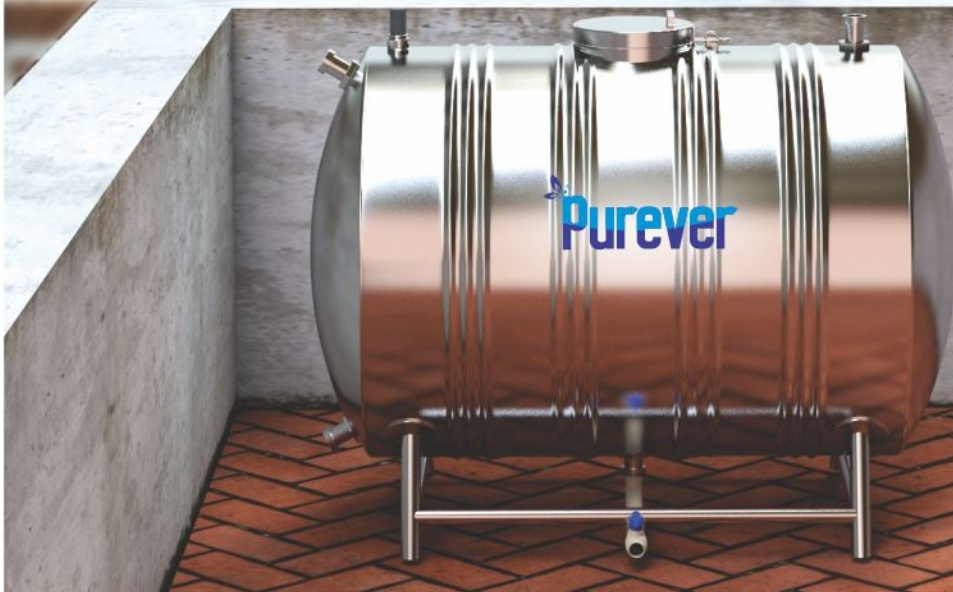


STAINLESS STEEL PRESSURIZE VERTICAL TANK



STAINLESS STEEL CUSTOMIZED TANK FOR HILLY AREA

STAINLESS STEEL CUSTOMIZED HORIZONTAL TANK



STAINLESS STEEL AVAILABILITY

Stainless Steel Grade

- Stainless Steel 316Ti
- 2205 Duplex Grade Stainless Steel

Thickness
1.5mm

Optional Thickness

2.0mm, 2.5mm, 3.0mm,
4.0mm, 5.0mm



INNER LAYER

As per your
requirement

SECOND LAYER

Thermal Insulation
(+110 Deg C to -180 Deg C)

THIRD LAYER

FG-Clad Fire
Resistance Insulation

FOURTH LAYER

High Density P.U Foaming

OUTER LAYER

Stainless Steel 304



INFRASTRUCTURE



TRUMPF High Precision Laser Cutting Machine



CNC Sharing Machine



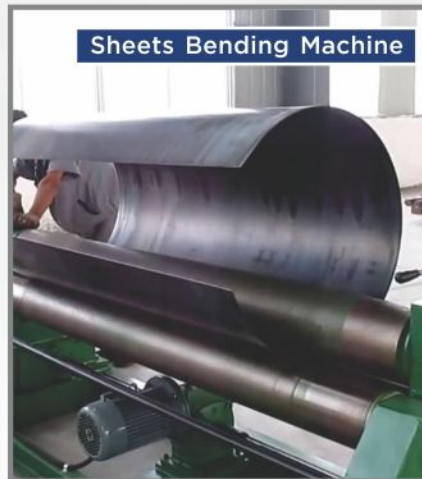
CNC Press Break Machine



Decoiler & Cut to Length Machine



Longitudinal Seam Automatic Welding Machine



Sheets Bending Machine



Puff Insulation Machine

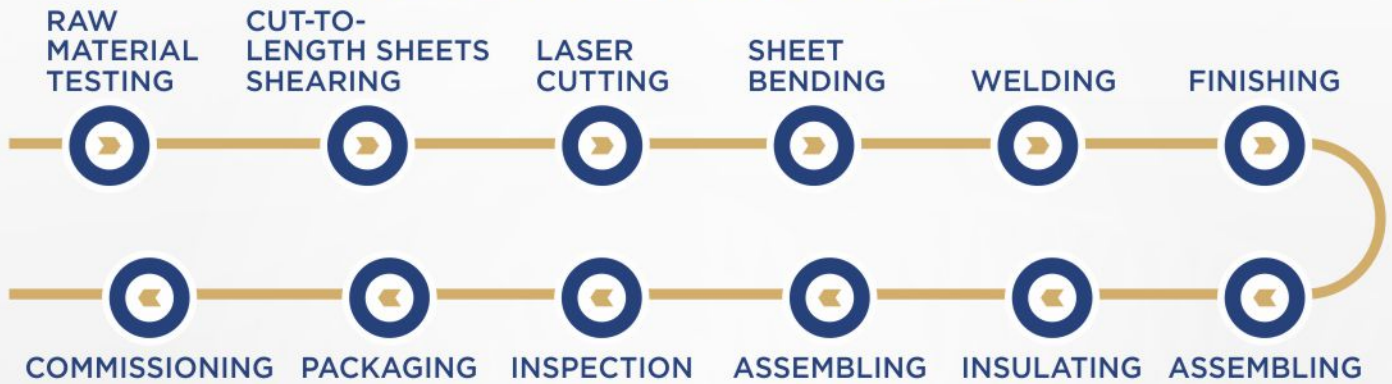


Workshop



Tig Welding

PRODUCT MAKING PROCESS



EXECUTION PROCESS





Corporate Address:
524, Phase V, Udyog Vihar, Sector 19,
Gurugram, Haryana 122008

Toll Free No.: 1800-120-6232
E-mail: sales@purever.in, contact@purever.in

www.purever.in