

www.purever.in

1800-120-6232



***We Believe
in the stainless world
that Last's forever***


Purever

A PURE & HEALTHY

DECISION

FOR PRECIOUS LIVES



HUMBLE BEGINNINGS

A 42-Year Journey of a Sheet-Metal Fabrication Business

In 1982, Jyoti Group embarked on a pioneering journey by founding a company dedicated to producing spare parts for rice mills using stainless steel. This venture quickly gained traction, as our unwavering commitment to quality and exceptional service earned the trust and satisfaction of numerous rice mill owners.



A man doing welding on stainless steel

Mastery in delivering high-precision TIG and MIG welding

Extensive experience in the field of sheet rolling machines.



Sheet Rolling machine



Old Lathe Machine

Expertise in utilizing lathe machines for complex and detailed machining work

Our rich history in stainless steel engineering.



Through policy investing in innovation and technology, we established ourselves as a leading name in stainless steel fabrication.

In our earlier stages, the following products were part of our portfolio:

- Fluid Storage tanks
- Mixers and Agitators
- Processing Tanks
- Bucket Elevators

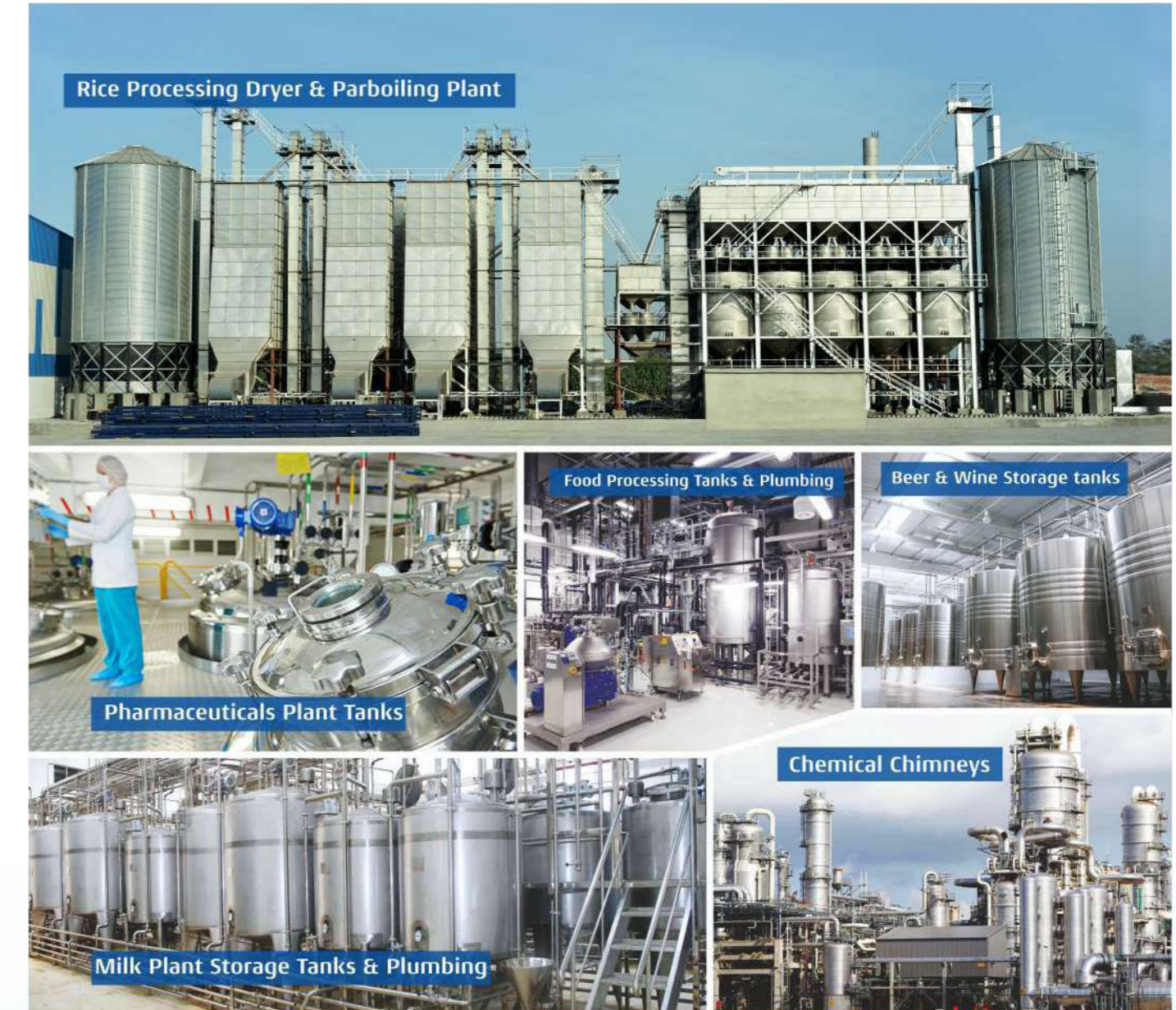
Over the years, our relentless pursuit of perfection and customer satisfaction has solidified our standing as a trusted provider in the sheet-metal fabrication sector.

Jyoti Group's legacy is marked by consistent growth, adaptation to industry advancements, and an enduring promise to deliver high-quality products. Today, we continue to uphold our esteemed reputation, driven by the same principles of integrity and innovation that have guided us since our inception.



FROM TRADESMAN

to industrial pioneer with stainless steel



400+ EMPLOYMENT

More than 400+ people getting employment directly or indirectly.

8000+ TONES

Annually 8000 tones of Stainless Steel / Steel Consumption.

Future-focused stainless steel engineering facility.



More than **11 acres** of factory

Approx **03 lacs sq. feet** operative area

Four (4) **production sites**

Fully Modren and Optimized Stainless steel Tube Milling Plant

Plumber **training area**

Fully Equipped Metals and Pipes Testing Laboratory

Advanced Precision Machines for Heavy Fabrication

Fully Automatic and optimized Stainless steel Water tank

World class Infrastructure



Lincoln Automation seamers are the perfect solution for our stainless steel precise welding needs. Our seamers are equipped with precise joint clamping and alignment mechanism to ensure high repeatability and maximize productivity.



A high-pressure polyurethane foaming machine is used to achieve high-density PU foam insulation in stainless steel water tanks, enhancing thermal efficiency and durability by uniformly distributing the insulating material throughout the tank.



PRESSING AND DEEP DRAWING



industrial production line comprises metal forming, drawing and deep drawing machine. We manufacture dished head for the construction of boilers, water heaters and tanks to be used in several industrial sector.

- Hydraulic presses from 100 to 1200 tonnes
- Mechanical presses from 50 to 600 tonnes
- Edge cutting and finishing machines
- Threading units

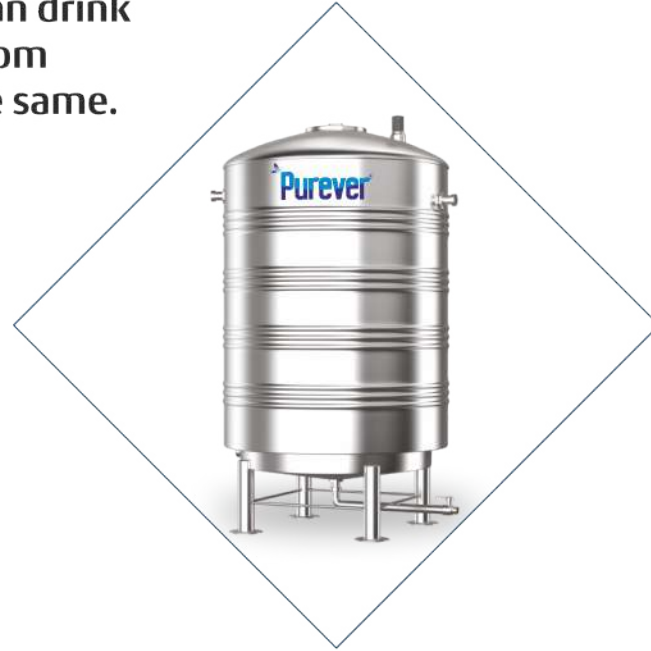
Machine available in our pressing workshop:



Purever SS water tank is not just a tank

With 40+ years experience supplying artisan drink producers, we are well aware that tanks from different manufacturers are not always the same.

- What grade is the stainless steel?
- How thick is the stainless steel
- How easy are they to clean?
- How good is the quality of the welds and the finish?
- If there is a problem, are they guaranteed?



Experience

Total Experience in Stainless steel is 42 Years. Our rich history allows us to remove all obstacles and come up with superior high-grade Stainless Steel Water Tanks series



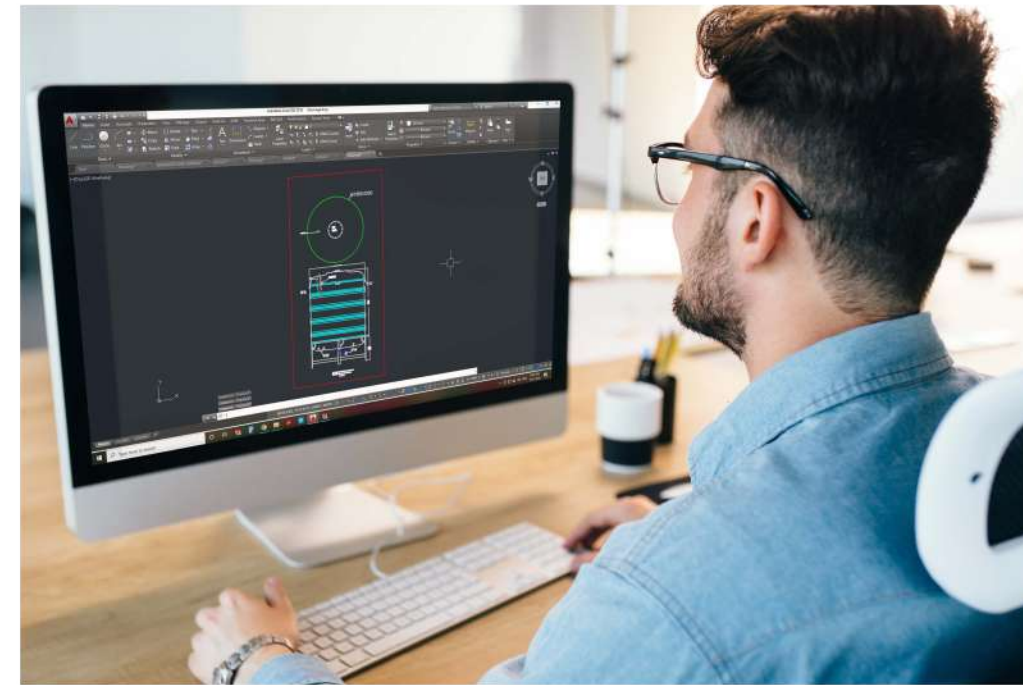
Premium quality Material

Components are made of high quality stainless steel (2205 Duplex, 316 Titanium & 316L)



Premium Supplier

We are authorized channel partner of Jindal Stainless Limited and importer of Outokumpu, ACERINOX and POSCO.



Individuality

Each system is individually designed and optimized.

1500

Hours per year spent in design, research and development



Highly fibre insulation:

Germany made high density HCFC free polyurethane PU rigid foam insulations. High-grade Class-O Nitrile Insulation and FG-Clad Fire resistance insulation.



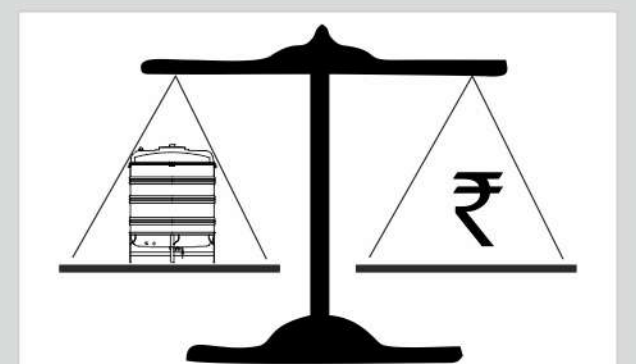
Fully Certified Company

Hygienically qualified to tackle any weather conditions and preserving the quality of water.



Guarantee + Warranty

Purever are confident that their tanks are high quality, durable, and should last a lifetime. Purever tanks are guaranteed for 25 years.



Competitive Price

The price of purever tanks is surprisingly competitive for the level of quality.

RIGHT RESPONSE TO EVERY REQUIREMENT

Building

- Luxury Villa
- Luxury House
- Ordinary Home
- Luxury Apartment
- Flats
- Doctors Clinic
- Luxury Hospital
- General Hospital
- Home Shop / Home Office
- Office / Institutions
- Factory / Industry
- Restaurant
- Budget Hotel To Star 2
- 3 Star Hotel And Up
- Worship Hall
- Library
- Bar
- Laboratory

Usage

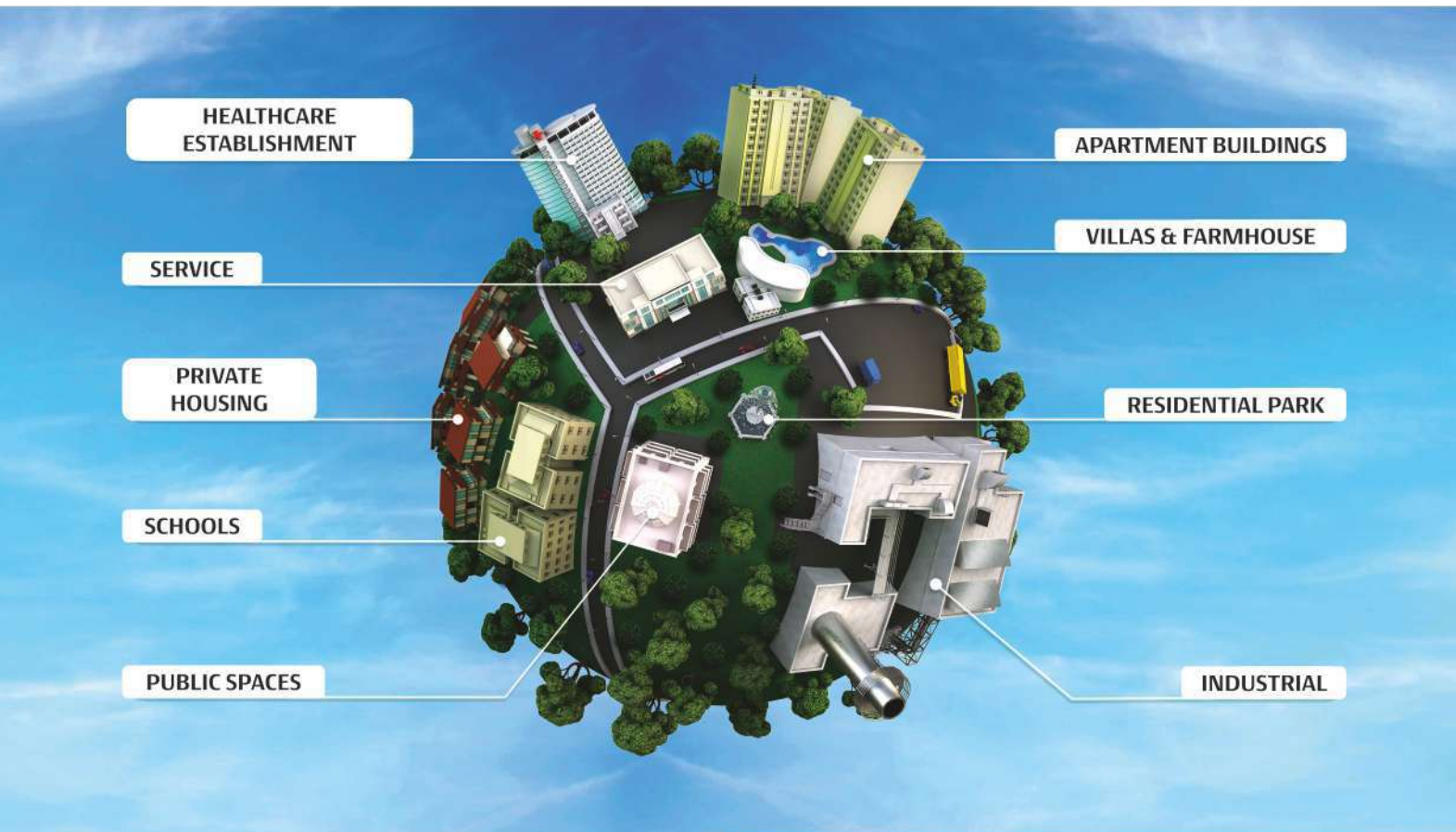
- Residential All Purpose Water Storage
- Drinking Water Storage
- RO Water Storage
- Hot Water Storage
- Hospital Water Storage
- Dialyses Water Storage
- Commercial Water Storage
- Industrial Water Storage

Determining the Volume

$$\text{Capacity} = \text{Usage} \times \text{Number of Users}$$





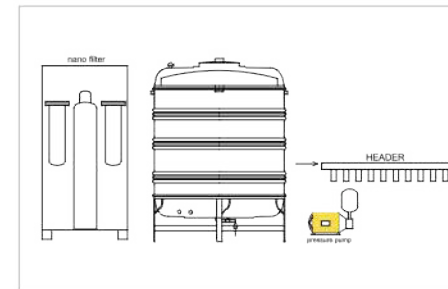


VALUE-ADDED BENEFITS



SITE VISITS

- Site visits by Purever's skilled Staff :
- Water Sample
 - Tank Placement
 - judgement of how to lift the tank
 - check the measurement



Helping in Placement Drawing

We provide Autocad drawing for tank placement along with our tanks so that the customer can ensure proper installation at the designated location.

- Placement of tanks, filter and heat pump system
- synchronize the water storage system with plumbing drawing



Customized Package

- Sharing drawing of customized tanks
- Inlet and outlet points designed according to your custom requirements.
- Vaastu-compliant tank customization, available in the colors you desire.



Training & Guidance

Reports provide detailed information to promote performance and system efficiency improvements by identifying problems before they happen.

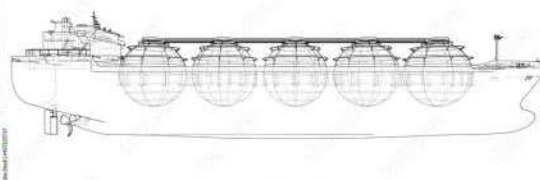
- Civil Team & Plumbing Team
- Maintenance instruction
- Guidance to electrician to install sensor



After Sales Service

Dedicated support line offers direct access to technical support.

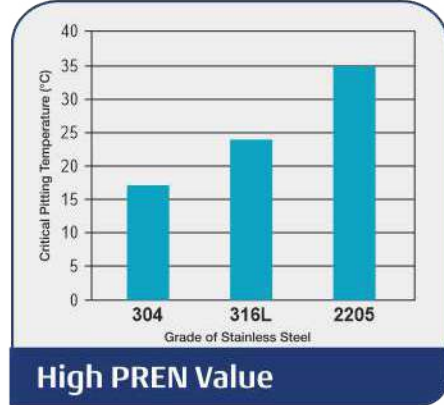
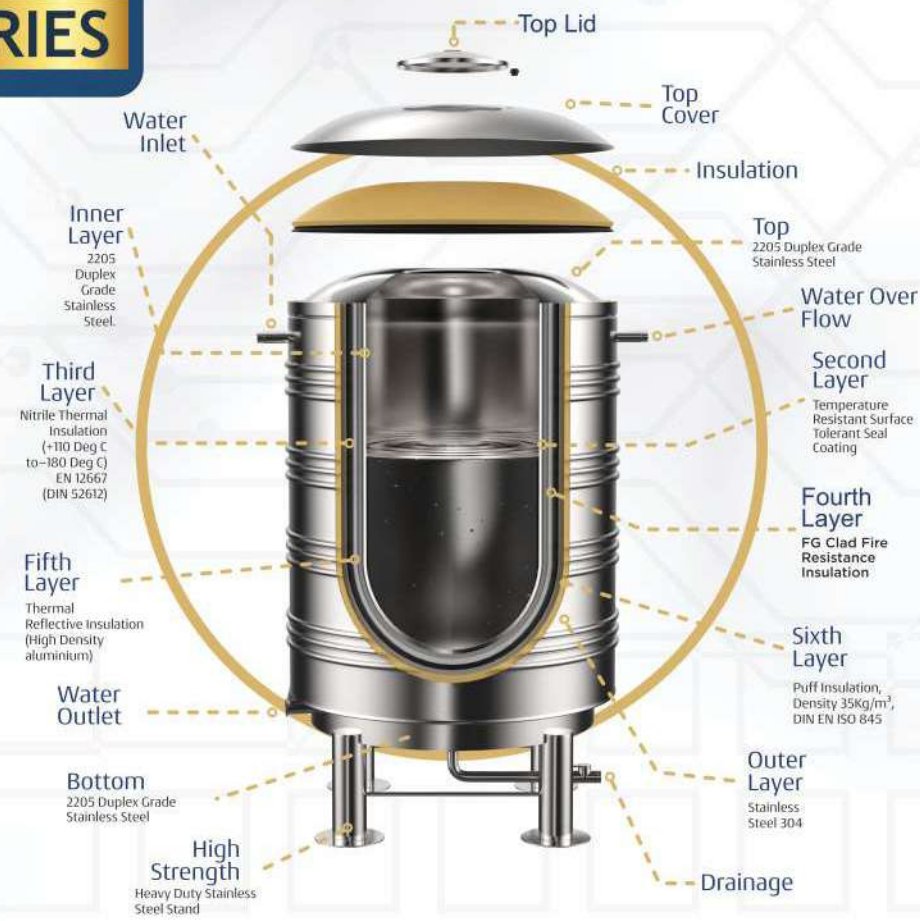
- Rapid Response
- Emergency support
- Appoint a service team
- Peace of mind



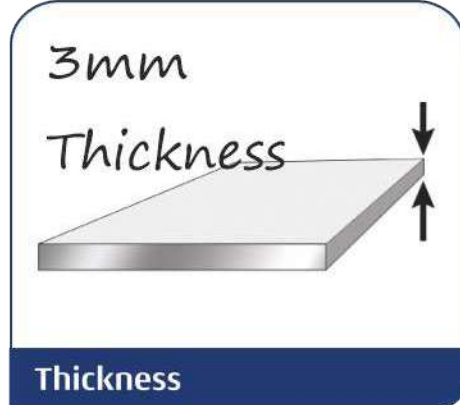
Signature SERIES

7 Layers Tanks

DURABILITY
Duplex 2205
HIGH STRENGTH STAINLESS STEEL



PREN Value = measure for pitting corrosion resistance of stainless steel in a chloride containing environment. Higher PREN means higher resistance against corrosion



Signature Series Tanks are built with **3.00mm** solid Stainless Steel Sheet making it more durable & reliable. The tanks are highly resistant to corrosion & cracking.



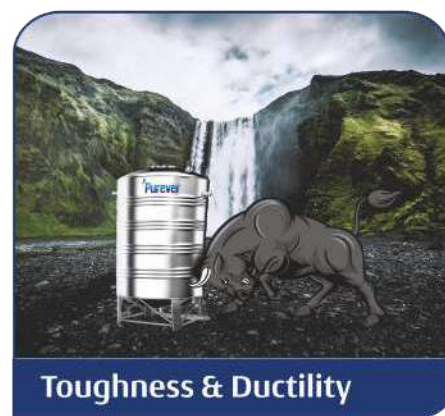
Our Signature Series Tanks comes with a warranty of 25 years. Its your time to enjoy access to hygienic water for longer period of time now. Our tanks are highly suitable for harsh locations.



Each layers is specifically designed to maintain water temperature & to store water hygienically while preserving the quality of water.



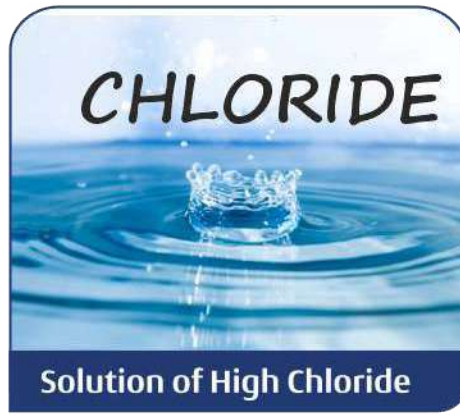
The load us determined by the water level in the tank.
Hydrostatic pressure (kPa) = Water Level (Height in meter)x9.8kPa



Duplex Stainless steels have significantly better ductility than ferritic grades, but are inferior to austenitic stainless steels. The toughness of duplex stainless steels is better than both ferritic & austenitic grades.



The Signature series have Thickness and Purever is highly Experienced in tank manufacturing, so we can design these tanks till 15000 Liters capacity



Chlorides are the most aggressive element for the stainless steel.
Chlorides: salts in all water supply sources and drainages. High chloride level in water means corrosion in metals.

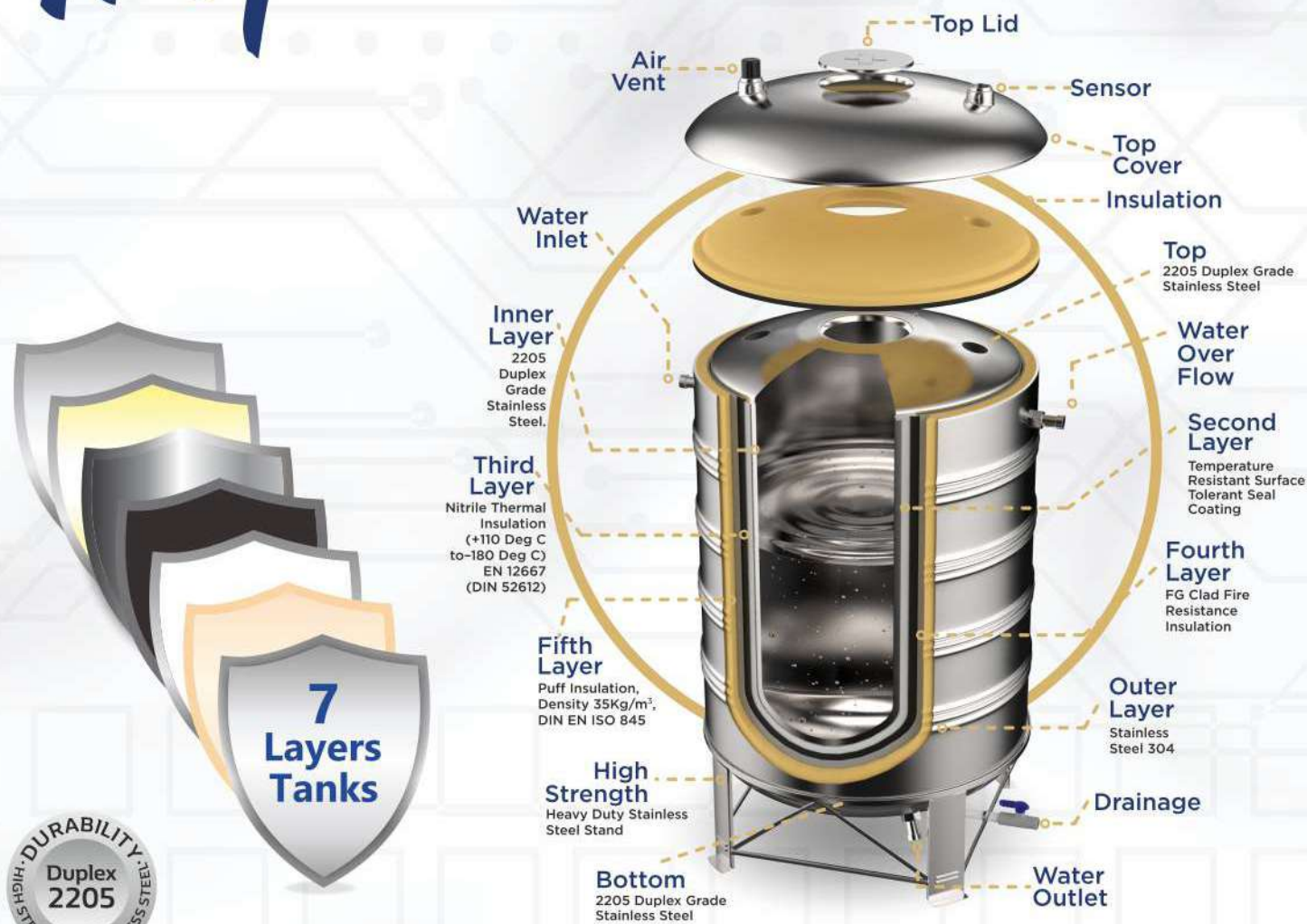


- Petrochemical Industry
- Sea Application
- Desalination plant
- Food Industry
- Chemical Industry
- Heat Exchanger



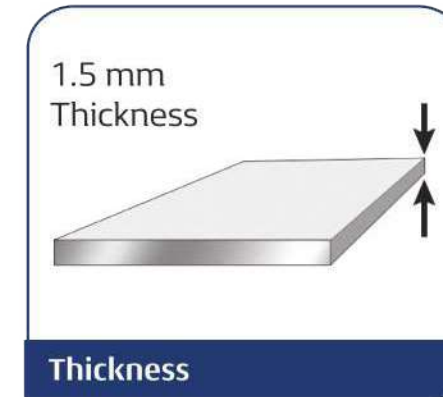


Tropinox



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.



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.



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.



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.



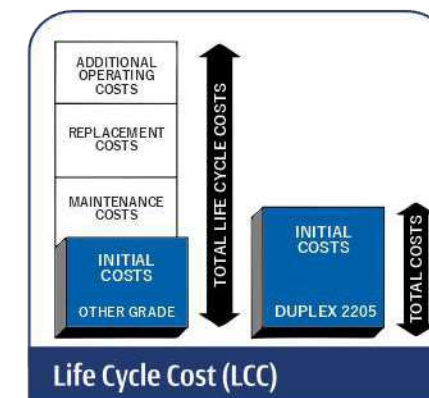
Universally Suitable

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



Life Cycle Cost (LCC)

LCC is just as important as the initial cost for material and construction. By doing so, we maximum suggest using Duplex 2205 stainless steel. This Tropinox tank have maximum results in the overall life-length of tanks.



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



Perfect for Harsh Environment

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





Duplex vs other stainless steel grades

Duplex stainless steel stands out from other grades primarily due to its high strength, which reduces weight, costs, and environmental impact in storage tank construction. Certain duplex grades also offer superior corrosion resistance compared to standard austenitic steels. Its unique microscopic structure provides exceptional resistance to stress corrosion cracking, making it the ideal choice for tanks storing ethanol or similar corrosive materials. Unlike austenitic grades, duplex steels are magnetic, thanks to their ferrite content.

Sterlinox



Chemistry

UNS	C%	Cr%	Ni%	Mo%	N%	Mn%
S2205	≤0.03	22.0-23.0	4.5-6.5	3.0-3.5	0.14-0.20	≤2.0





Pharminox



Tremendous Durability

Highly durable & are not affected by vulnerabilities. Free from risks like rusting, freezing & cracking.



Manifold connection scope

Our storage tanks have wide scope & can be used for multiple applications. Optimum water connection means tank capacity is fully utilized.



Most Optimal grade for Hygiene

Highest level for hygiene & safety. Best suited for Pharma, Food & Drink Industry. Our tanks comply with all safety & environment standards.



Surgical Stainless Steel

Most hygienic Pharmaceutical Stainless Steel grades of European standard EN 1:4404 (AISI 316 L) are used.



High Modularity

No matter what water storage solution your project calls for, Our team of experts will help you identify all your needs. We design your tank in whatever height or diameter you are looking for.



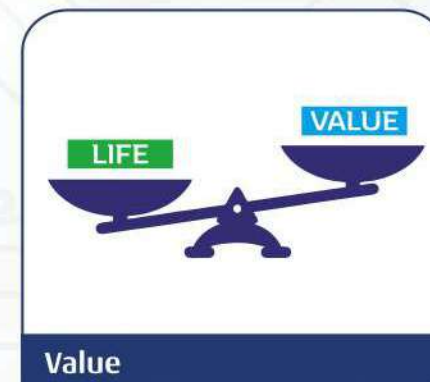
No Repair & Maintenance

Due to thicker gauge very less maintenance and repair is required as compared to non-pressurized stainless steel tanks.



Quality Control & Testing

All the tanks are subject to stringent quality checks. An overall test & documentation forms part of the manufacturing process of FAT protocols.



Value

Stainless steel tanks offer larger lifespan as compared to other type of tanks. Also, these tanks prove to be cheapest for the long term.



Pressure Equipment Directive

The design & manufacturer of pressurized tanks meet the requirements of European pressure equipments directives.





PUREVER'S HIGH PERFORMANCE 316L STAINLESS STEEL



Surginox



General characteristics

Stainless steel 316L/ EN1.4404 is the material of choice for handling water, food, pharmaceuticals and other materials when absolute hygiene must be maintained. It is essentially inert, posing no risk of cross contamination, adulterate, chemical reaction, toxicity or corrosion.

Typical applications :

- ▶ Food and beverage industry equipment
- ▶ Pharmaceutical industry equipment
- ▶ Medical applications
- ▶ Pulp and paper industry equipment
- ▶ Textile industry equipment

<p>price time</p> <p>Competitive stable price</p>	<p>Corrosion resistance</p>	<p>Better deep-drawability</p>	<p>Value for money</p>	<p>Higher strength</p>
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Chemistry

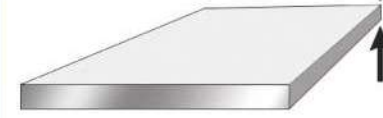
UNS	C%	Cr%	Ni%	Mo%	N%	Mn%
316L	≤0.03	16.0-18.0	10-14	2.0-3.0	0.10	≤2.0



Equinox



1.2mm Thickness



316L Stainless Steel

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



7 Layers Technology

Purever Equinox tanks have seven Layers of insulation for saving energy, ensuring hygiene and weather resistance.



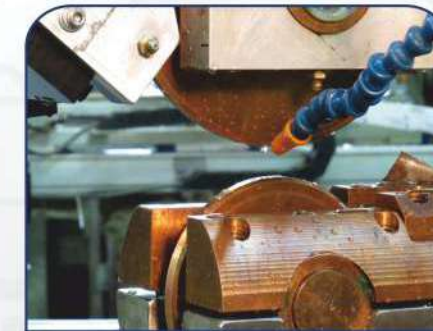
Reinforced Wall

Deigned with the concept of triple bone which is positioned at four vital positions in tanks to strengthen the walls and prevent tank rupture due to pressure.



Customised SS Fittings

All our accessories are crafted from solid 316L stainless steel, a stronger and heavier material known for its exceptional durability. Each accessory features a screw-type design, eliminating the need for welding during installation.



Seam/Overlap Welding

The use of an automatic air pressure seam welder ensures a flawless welding surface on the body of our water tanks. With the reliability of German Siemens technology, we guarantee consistent, high-quality results.



Torispherical Seamless Construction

One piece, seamless inner shell molded premium and high density stainless steel which provide high strength and impact resistance.

Benefits

- Grade 316L, the low carbon version of 316, these grades excellent toughness, even at cryogenic temperatures
- Strong and long life. Low maintenance, durable and often the least expensive alternative when whole of life cycle costs are considered.
- The vessel contains minimum 110% volume of the inner tank.
- Extremely durable will allow the tank to be fitted in convenient location for domestic and commercial location.
- High density CFC/HCFC free polyurethane foam insulation yields the lowest stand-by losses
- Stainless 316L complies with all of the food-safe and surgical steel norms and can be used in contact with drinking water

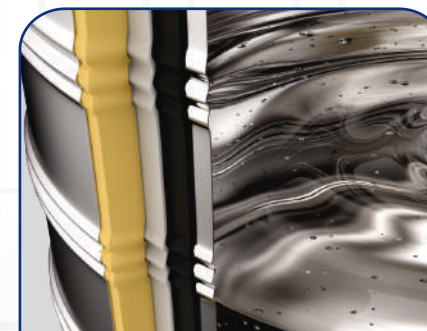


Purinox



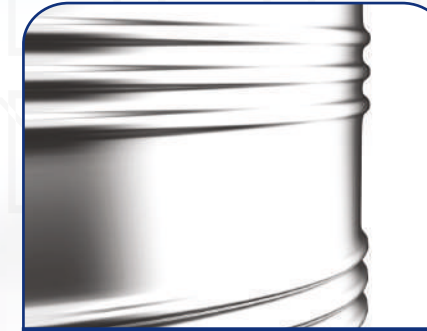
Surgical 1 mm Stainless Steel

We use the most Hygienic Surgical Stainless Steel grades of European standard EN 1.4404 (AISI 316L)



Five Layers Technology

Purever Equinox tanks have four Layers of insulation for saving energy, ensuring hygiene and weather resistance.



Reinforced Wall

Deigned with the concept of triple bone which is positioned at four vital positions in tanks to strengthen the walls and prevent tank rupture due to pressure.



Customised SS Fittings

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Water Level Controller

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



Easy Drainage

Total Wash drain which makes it easy to clean a well as accelerate draining dirty water.

Algae, Bacteria & Virus Free Water



No Chemical Contamination



100% Implant Surgical Stainless Steel



Preservation of Taste & Smell



Safety Awareness Fair Play Environment

PUREVER - STAINLESS STEEL WATER TANK (CUZART)

We are a prime mover in India to provide stainless steel water tanks which ensure contamination-free water and save the society from the hazards associated with plastic or PVC water tanks. We customize our stainless steel water tanks as per size, colour, residential structure and Vastu guidelines. We also offer square tank which are a cost-effective solution in comparison to cylindrical water tanks. Square water tanks saves precious space and maximizes the amount of water you can store. They are strong, lightweight and corrosion resistant, plus durable even when exposed to the sun.

GRADE



THICKNESS

- 1.5mm
 - 2.0mm
 - 3.0mm
-



Personalise your Purever SS tank with a colour of your choice.



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 extremely improved the stability by spreading the concentrating pressure.



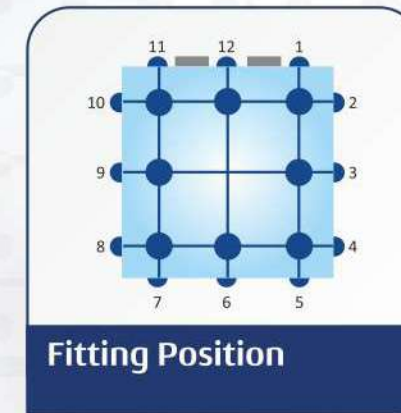
Aesthetic Design

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



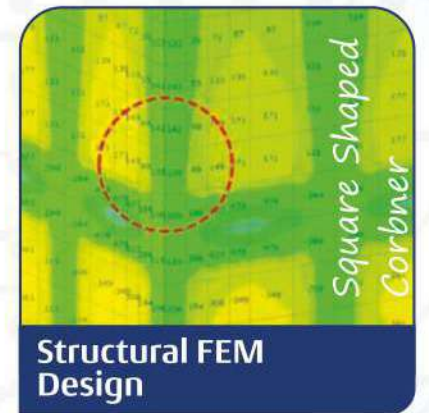
Outside Reinforcing Stiffeners

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.



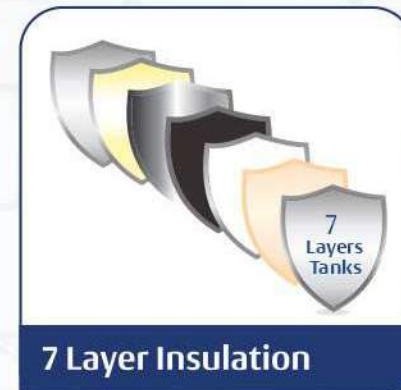
Fitting Position

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.



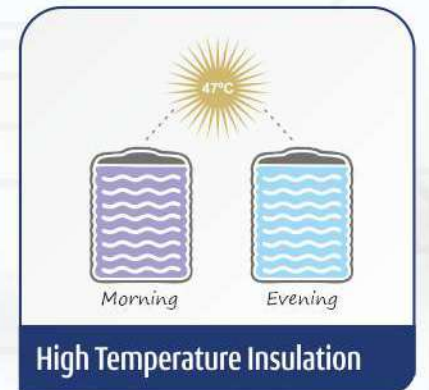
7 Layer Insulation

Each layer is specifically designed to maintain water temperature & to store water hygienically while preserving the quality of water.



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

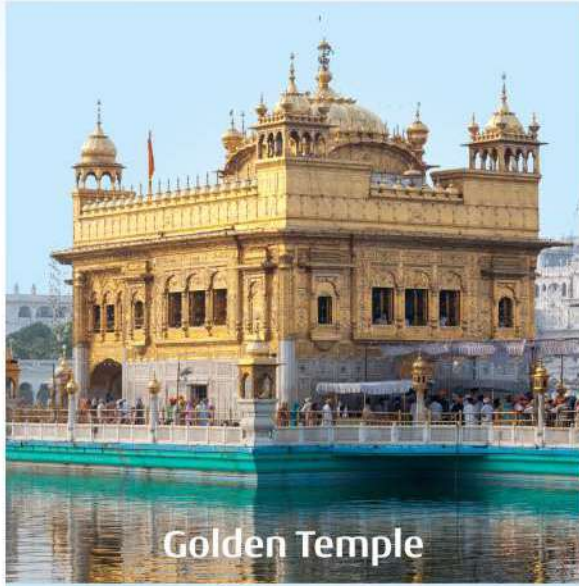


High Temperature Insulation

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.



REFERENCE PROJECTS



Golden Temple



Apple India Pvt. Ltd., Bengaluru



Texas Instruments, Bengaluru



AIIMS Delhi



PGIMER Chandigarh



zydus
Dedicated To Life



Piramal Group



Bosch, Bengaluru



Guru ji



Anish Kapoor
Architect



Suresh Raina
Indian Cricketer



Ayushmann Khurrana
Singer & Actor



Capt. Amrinder Singh
Former CM Punjab



Badshah
Singer



Jassi Gill
Singer & Actor



Yuvraj Singh
Cricketer

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