

JINDAL™
arc

AMRIT

SMART WATER
SOLUTIONS



Give Your Water Safety

Enhance Your **HEALTH**

A decorative graphic of overlapping, wavy red lines flows from the top right towards the bottom left, creating a sense of movement and depth. The lines vary in opacity, creating a layered effect.

ABOUT JINDAL ARC

Jindal ARC, a part of Jindal Lifestyle, creates innovative and versatile stainless steel applications for creating a better commonplace life. It offers technical & aesthetic solutions for the Architecture, Building and Construction industry through its three verticals - Infra Solutions, Plumbing Solutions, and Kitchen.

Foreseeing the potential in the growth of awareness among Indians and the rising demand for stainless steel water tanks, the group decided to provide a revolutionary replacement for the outdated and age-old plastic water tanks and provide its valuable customers with yet another quality product.

The necessity for stainless steel water tanks to be introduced as a replacement for plastic/PVC/RCC tanks arose when it was discovered and declared by agencies like WHO that plastic tanks are a major health hazard and work as a slow poisoning. As stainless steel tanks are used by 99% of establishments in eastern countries such as Japan, China, Korea, Taiwan, Thailand, and others, the company decided to introduce Jindal Arc Amrit water tanks to help India become healthier and more environmentally friendly.

By using the GO GREEN theory, we are providing our country with stainless steel water tanks made of 304, and 316L Grade stainless steel, which have significant advantages over standard Plastic/PVC water tanks.

Our water tanks are constructed entirely of Surgical Stainless Steel. It possesses the characteristics of being strong, durable, and hygienic. These tanks are built through International Technology with advanced processes and strict quality control. . Jindal Arc Amrit water tanks provide long-lasting performance while requiring no maintenance in the long run, as it is combined with a dual protective coating and total wash capability.

Our extensive range of water tanks in stainless steel capacity ranges of 1000 Litres, 1500 Litres, and 2000 Litres. We make it easy for you to find the right solution by customising water tanks to your specific needs. Our water tanks are recommended for every household and especially for social institutions, hospitality, pharmaceutical, and chemical industries.

Features of Jindal Arc Amrit Water Tanks:

- Elegant appearances
 - 100% Surgical Stainless Steel
 - 100% Eco-Friendly and Recyclable
 - International Technology
 - UV Resistant
 - Non-Toxic
 - Rust and Smell Free
 - Saves Electricity
 - Long-Term Investment
 - Easy to Clean
 - Maintains Temperature in all Seasons
 - Prevents Growth of Algae & Fungus
- 





LIVE PURE & HEALTHY!

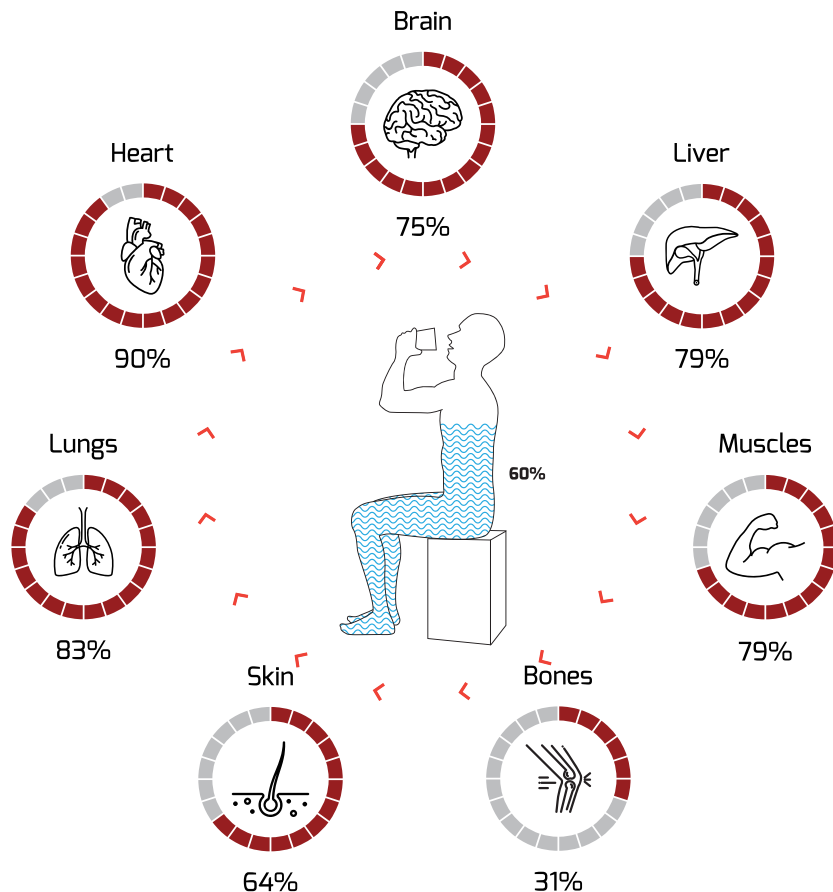
Stainless Steel Water Vessels
Hygienic - PUF Insulated

TAKE EVERY STEP TO ENSURE
PURE WATER

SURGICAL STEEL WATER TANK IS JUST ANOTHER STEP

Surgical Stainless Steel Tanks produce almost Zero toxicity, means excellent and safe drinking water. Our Multi Layered tank keeps water cool, Zero BPA and gives you a toxic free health for generations.

WATER IN HUMAN BODY



GIVE YOUR WATER SAFETY
ENHANCE YOUR HEALTH

JINDAL™ Amrit water tanks are made of
arc 100% SURGICAL STAINLESS STEEL

It has inbuilt characteristics of being strong durable and hygiene. These tanks are manufactured through international technology with advanced process and quality control combined with dual protective coating and total wash capability. Jindal ARC Amrit water tanks gives durable performance while remaining maintenance free in the long run.

Material used for manufacturing the tanks is the most preferred raw material used in food and pharmaceutical industry and hence deliver the purest and safest drinking water.

JINDAL™ Amrit stainless steel water tanks are the BEST VALUE ASSETS for people
arc who are HEALTH AND QUALITY CONSCIOUS.

Surgical Stainless Steel Water Tank
is just another step to ensure
SAFE GOOD HEALTH

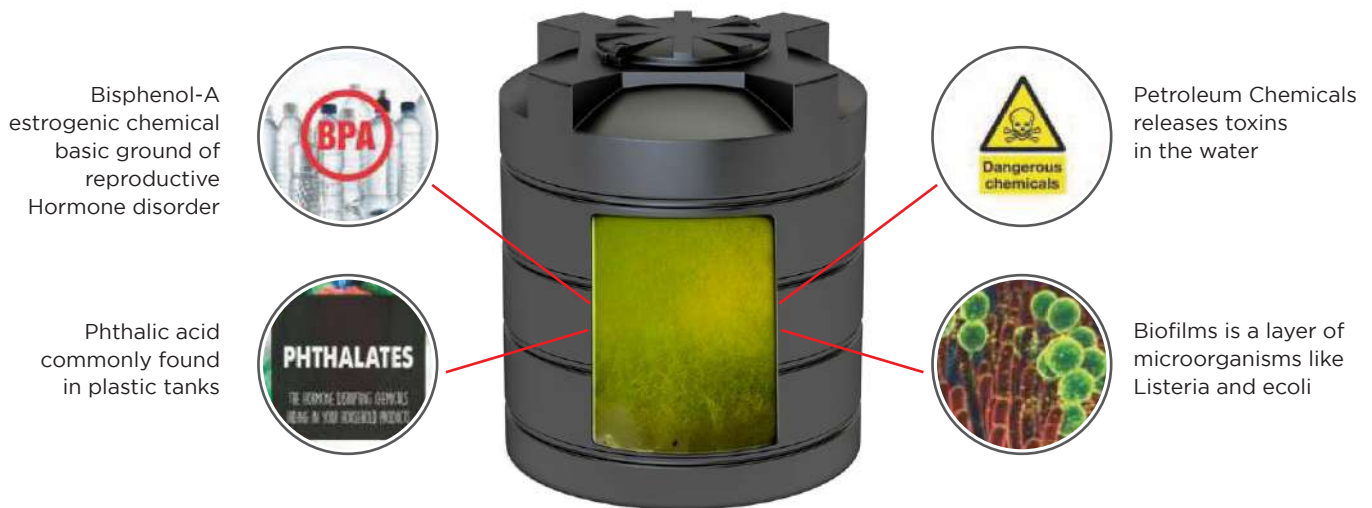




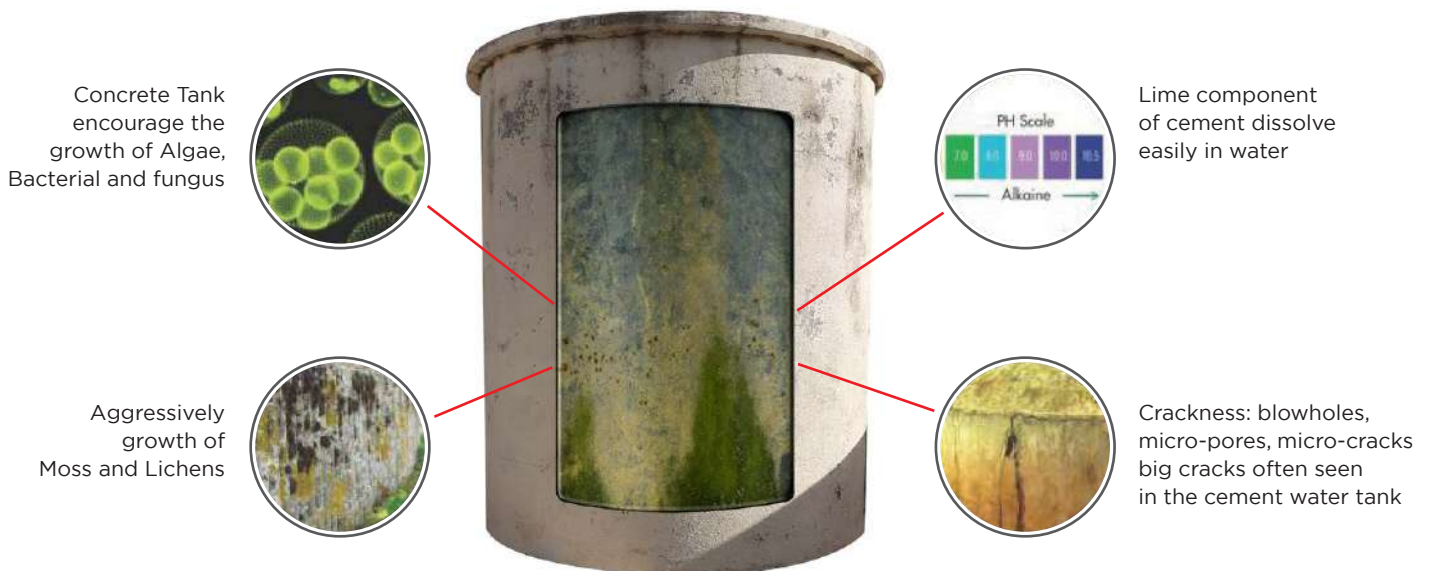
POSSIBLE HEALTH EFFECTS OF
BISPHENOL A
(BPA) ON HUMANS

CONCRETE & PLASTIC WATER TANKS ARE HARMFUL

IN PLASTIC WATER TANKS



IN CONCRETE WATER TANKS



KNOW YOUR STEEL

304/304L - AUSTENITIC STAINLESS STEEL

General Characteristics:

304 is most popular and versatile austenitic stainless steel grade with excellent corrosion resistance, formability, deepdrawability and weldability.

Chemical Composition

UNS/ EN	ASTM		%C	%Mn	%S	%P	%Si	%Ni	%Cr	%N
UNS S30400	304	Min	-	-	-	-	-	8.0	17.5	-
EN 1.4301		Max	0.07	2.00	0.030	0.045	0.75	10.5	19.5	0.10

Mechanical Properties

Grade	Mechanical properties	UTS (MPa)	YS (MPa)	%EL	Hardness(HRB)
304	ASTM A240	≥ 515	≥ 205	≥ 40	≤92

Physical Properties:

Density (Kg/m3)	Modulus of Elasticity (Gpa)	Thermal Conductivity (W/m 0C)	Thermal Expansion coefficient (µm/m/°C)	Electrical Resistivity (µΩm)
7910	195	16.3	17.3	0.72

Applications:

Grade 304-Transport, chemical, petrochemical and fertilizers industries, dairy, food processing, pharmaceutical industries, hospital equipment, cryogenic vessels, households as utensils & appliances, heat exchangers, machinery in paper, pulp, textile and beverage industries; architectural applications like panels, curtain walls, roofing etc



Corrosion Resistance:

These grades exhibit excellent resistance to wide range of atmosphere and corrosive media like petroleum, food, pharmaceutical, textile etc.

Corrosion resistance of core range austenitics

Core range austenitics have good corrosion resistance and are suitable for a wide range of applications.

Uniform corrosion

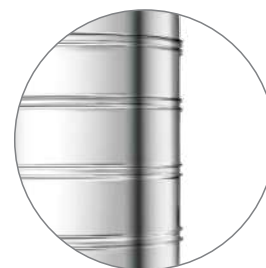
Uniform corrosion is characterized by a uniform attack on the steel surface in contact with a corrosive medium. The corrosion resistance is generally considered good if the corrosion rate is less than 0.1 mm/year (0.004 in/year)

Pitting and crevice corrosion

Pitting and crevice corrosion typically occur in acidic or neutral chloride solutions. Core range products have good resistance to these types of corrosion.

Atmospheric corrosion

Core range austenitic stainless steels offer good resistance to atmospheric corrosion in applications where superficial surface staining from incipient pitting or crevice corrosion is usually undesirable.



KNOW YOUR STEEL

316L - SURGICAL STAINLESS STEEL

General Characteristics:

316L is low carbon version of 316 for excellent intergranular corrosion resistance during welding.

Chemical Composition

UNS/ EN	ASTM		%C	%Mn	%S	%P	%Si	%Ni	%Cr	%Mo	%N
UNS S31603 EN 1.4404	316L	Min	-	-	-	-	-	10.0	16.0	2.00	-
		Max	0.030	2.00	0.030	0.045	0.75	14.0	18.0	3.00	0.10

Mechanical Properties

Grade	Mechanical properties	UTS (MPa)	YS (MPa)	%EL	Hardness(HRB)
316L	ASTM A240	≥ 170	≥ 485	≥ 40	≤95

Physical Properties: 316L

Density (Kg/m ³)	Modulus of Elasticity (Gpa)	Thermal Conductivity (W/m 0C)	Thermal Expansion coefficient (μm/m/°C)	Electrical Resistivity (μΩm)
7980	193	16.3	15.9	0.72

Applications: 316L

Food processing, chemical and petrochemical equipment, brewery equipment, laboratory equipments, heat exchangers, chemical transportation containers

Corrosion Resistance 316L

These grade exhibits excellent resistance to wide range of atmosphere and corrosive media like petroleum, food, pharmaceutical, textile etc.

Uniform corrosion

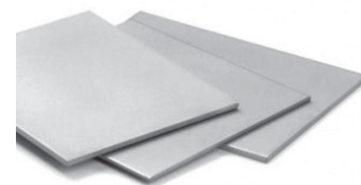
Uniform corrosion is characterized by a uniform attack on the steel surface in contact with a corrosive medium. The corrosion resistance is generally considered good if the corrosion rate is less than 0.1 mm/year (0.004 in/year)

Pitting and crevice corrosion

Pitting and crevice corrosion typically occur in acidic or neutral chloride solutions. This range of products provide excellent resistance to pitting and crevice corrosion. Resistance to these types of corrosion is enhanced by increasing the steel's chromium, molybdenum and nitrogen content. Nickel reduces the pitting propagation rate and facilitates repassivation after pitting corrosion has started.

Atmospheric corrosion

Austenitic stainless steels offer good resistance to atmospheric corrosion in applications where superficial surface staining from incipient pitting or crevice corrosion is usually undesirable. These products can normally be used in moderately aggressive industrial and coastal areas.



SS 316 L

A HEALTHY LONG LIFE CHOICE

AMRIT

FOR YOUR FAMILY

Building
Luxury Villa
Luxury House
Homes

APPLICATIONS

Luxury Apartment
Flats
Doctor's Clinic
Hospitals



Home Shop/Office
Office/Institutes
Factory/Industry
Restaurant
Hotels

Worship Hall
Library
Bar
Laboratory

GIVE YOUR WATER SAFETY

Tanks Available for Various Home, Residential, Institutional, Medical, Commercial and Industrial Requirements

Water Quality	Hygenic / No Contamination from S.S. Vessel
Medically	Surgical Stainless Steel Life of Tank - For Generations
Cleanliness Inside	Easy to Clean
Heat Absorbtion	It Reflects U.V.
Value after Use	Very Good
Cost Analysis	One Time Investment for Health Cheaper in Long Run



Water is protected from Algae, Bacteria and Virus



No Chemical Contamination



Contributes in Healthy Longevity



Our Tanks Come in 4, 5, 6 and 7 Layers Protection

Usage

- Residential Water Storage
- Drinking Water Storage
- RO Water Storage
- Hot Water Storage
- Hospital Water Storage
- Dialysis Water Storage
- Commercial Water Storage
- Industrial Water Storage



Maintains Temperature

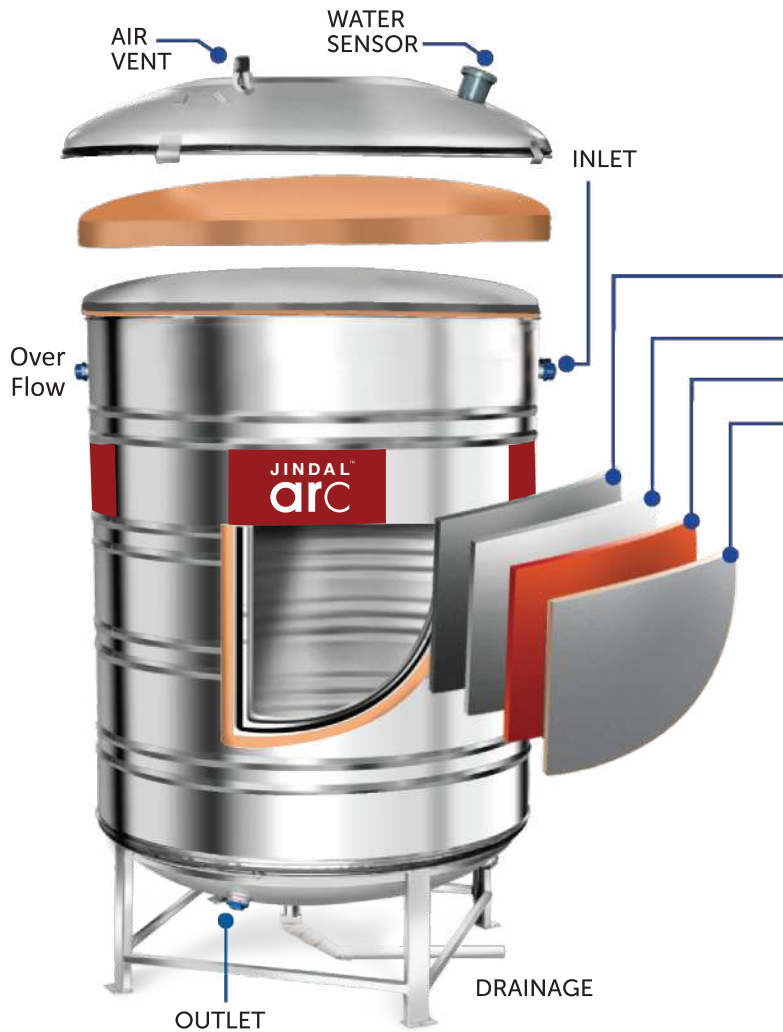


Generations of Performance & 'ZERO' Maintenance

4 LAYER TANK

Amrit Quadrinox

304 - AUSTENITIC STAINLESS STEEL
316L - SURGICAL STAINLESS STEEL



4 Layer Tank

- 1st layer - 304 Austenitic Stainless Steel
- 2nd layer - CCC POWER (Climate Control Coating)
- 3rd layer - High Density Puff
- 4th layer - 304 Austenitic Stainless Steel

All Tanks are
available in
0.8mm and 1mm



Maintains
Temperature



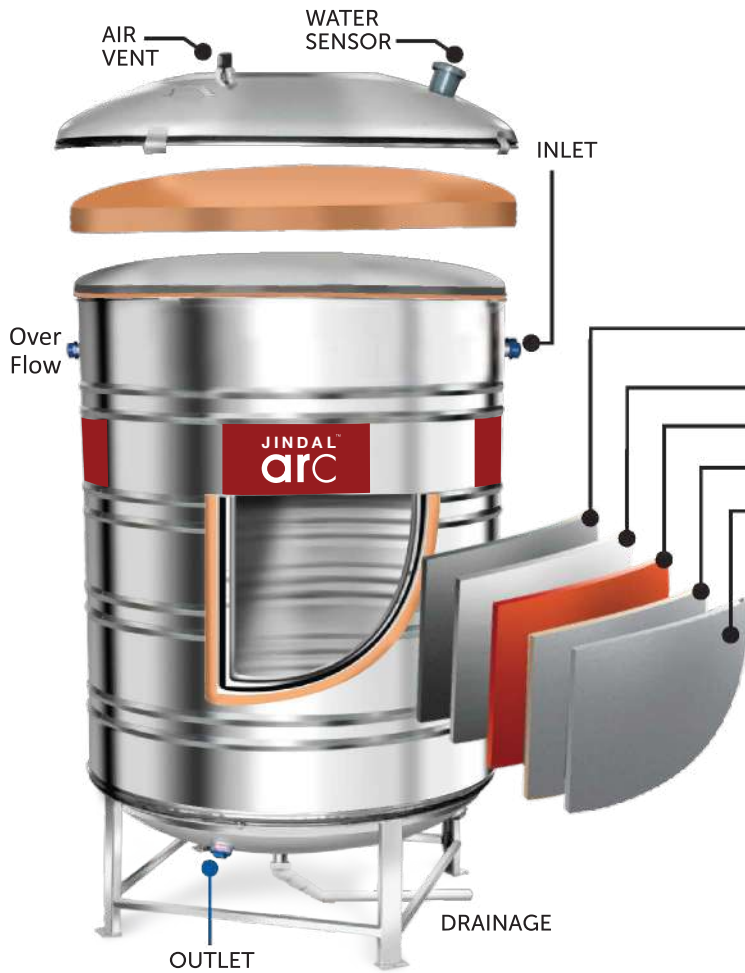
100% bisphenol
A & S Free



5 LAYER TANK

Amrit Pentinox

304 - AUSTENITIC STAINLESS STEEL
316L - SURGICAL STAINLESS STEEL



All Tanks are available in 0.8mm and 1mm

5 Layer Tank

- 1st layer - 316L SURGICAL Stainless Steel
- 2nd layer - Fire Retardant Thermal Insulation
- 3rd layer GL Panel
- 4th layer - High Density Puff
- 5th layer - 304 Austenitic Stainless Steel



No Chemical Contamination



100% bisphenol A Free



Surgical Stainless Steel



Water is protected from Algae, Bacteria and Virus



Maintains Temperature



AUTO-CUT WATER SENSOR



RIBBED WALLS
Ribbed design stainless steel wall to strengthen & beautify the aesthetic look of stainless steel tanks.

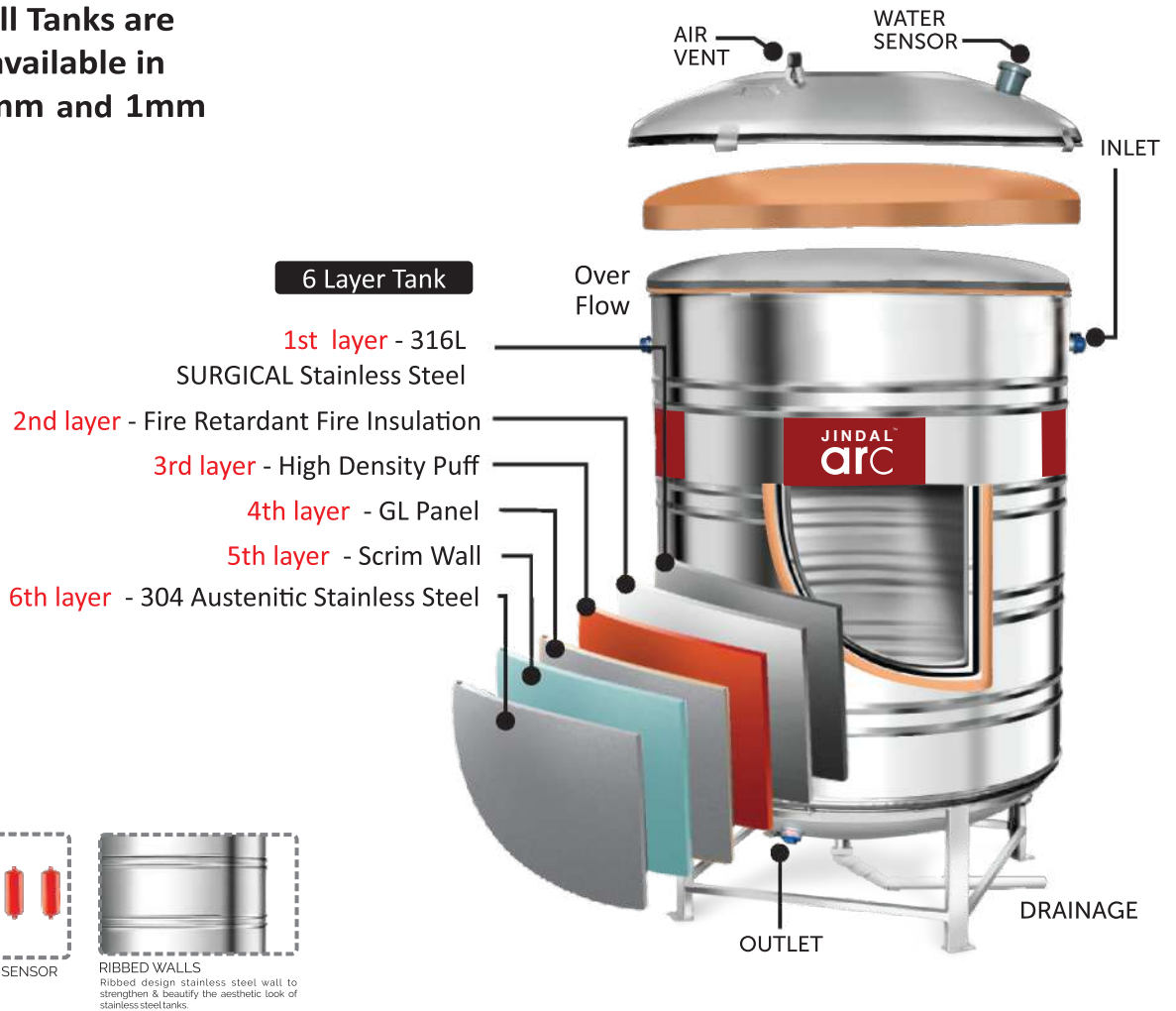


6 LAYER TANK

Amrit Hexinox

304 - AUSTENITIC STAINLESS STEEL
316L - SURGICAL STAINLESS STEEL

All Tanks are available in 0.8mm and 1mm



No Chemical Contamination



100% bisphenol A Free



Surgical Stainless Steel



Water is protected from Algae, Bacteria and Virus



Maintains Temperature

7 LAYER TANK

Amrit Septinox

304 - AUSTENITIC STAINLESS STEEL
316L - SURGICAL STAINLESS STEEL



All Tanks are available in 0.8mm and 1mm

7 Layer Tank

- 1st layer - 316L Surgical Stainless Steel
- 2nd layer - CCC Power (Climate Control Coating)
- 3rd layer - Fire Retardant Fire Insulation
- 4th layer - High Density Puff
- 5th layer - GL Panel
- 6th layer - Scrim Wall
- 7th layer - 304 Austenitic Stainless Steel



AUTO-CUT WATER SENSOR



RIBBED WALLS

Ribbed design stainless steel wall to strengthen & beautify the aesthetic look of stainless steel tanks.



No Chemical Contamination



100% bisphenol A Free



Surgical Stainless Steel



Water is protected from Algae, Bacteria and Virus



Maintains Temperature

Closed Canopy Lid Tanks Makes Water Safe
From External Contamination.



We Provide Both Open Canopy Lid Tanks And Closed Canopy Lid Tanks.

We suggest use open canopy lid tanks
only where there is a roof above the tank.



Open Canopy Lid Tank



Close Canopy Lid Tank



Customized Stand for Tanks

STAINLESS STEEL WATER TANKS

TECHNICAL SPECIFICATIONS						
Capacity (Ltr)	Diameter (mm/inch)	Height with stand (mm/inch)	Inlet fitting (inch)	Over Flow (inch)	Outlet Fitting (inch)	Drain (inch)
1000	1070/42	1830/72	1"	1"	1.5"	1.5"
1500	1420/56	1880/74	1"	1"	1.5"	1.5"
2000	1530/60	2060/81	1"	1"	2"	2"

Water Type	Chloride Level Ppm	Steel Type	Common Grade Name	Nearest EN 10088 Grades
Supply and ground waters	<200	Austentic	304	EN1.4301/UNS30400
	<500	Surgical	316L	EN1.4401/UNS S31603

Guide to Selection of Stainless Steel

COMPARISON CHART

Contents	Stainless Steel Tanks	Plastic Tanks
Water Quality	✓ Hygienic	✗ Toxic
Medically	✓ Approved	✗ Rejected
Growth of Algae & Fungus	✓ Nil	✗ Contains/Allows
Life of Tank	✓ Life Long	✗ Short Life
Cleanliness inside	✓ No Cleaning Required	✗ Always Dirty/Fungus Collection
Heat absorption	✓ Reflects	✗ Absorbs
Value after Use	✓ Good	✗ Nil
Analysis of Cost	✓ One Time Investment/ ✓ Cheaper in Long Run	✗ Expensive and Harmful in Long Run



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