

PIPECO GROUP

STAINLESS STEEL WATER
TANK (WELDING TYPE)



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STAINLESS STEEL WATER TANK (WELDING TYPE)

Stainless steel water tank is the best material for water reserve. It has two connection types: argon arc welding & bolted. The appearance and structure of bolted type is same with hot dip galvanized water tank. Raw material can be SS304/2B and SS316L.



TECHNICAL DATA (WELDING TYPE)



PANELS

SURFACE DESIGN

1. Rounded shape

MATERIAL

1. Food grade SS304/2B
2. Food grade SS316L

SIZE WEIGHT

1. The size of stainless steel panels are produced by standard with 1*1m, 1*0.5m & 0.5*0.5m
2. The panel thickness is depends on tank height;
3. The maximum height available is 6.5 meters (Need add C channel external reinforcement if over 5.5m height).





PHYSICAL PROPERTIES

PHYSICAL PROPERTIES	STANDARD REQUIREMENT	RESULT
Yield Strength	≥ 515 MPa	695 MPa
Tensile Strength	≥ 205 MPa	309 MPa
Elongation	≥ 40	54%
Hardness	≤ 92 HRBS	85 HRBS

TANK HEIGHT (mm)	THICKNESS OF EACH PANEL						
	BOTTOM	1st LAYER	2nd LAYER	3rd LAYER	4th LAYER	5th LAYER	ROOF
1000	2.5mm	1.5mm	/	/	/	/	1.5mm
1500	2.5mm	1.5mm	1.5mm	/	/	/	
2000	2.5mm	2mm	1.5mm	/	/	/	
2500	3mm	2.5mm	2mm	1.5mm	/	/	
3000	3mm	2.5mm	2mm	1.5mm	/	/	
3500	3mm	2.5mm	2.5mm	2mm	1.5mm	/	
7050	3mm	2.5mm	2.5mm	2mm	1.5mm	/	
4500	4mm	3mm	2.5mm	2.5mm	2mm	1.5mm	
5000	4mm	3mm	3mm	2.5mm	2mm	1.5mm	

The standard tolerance of thickness is 0.25mm. For example, the actual thickness of 3mm is 24



ACCESSORIES



- | | | |
|--------------------|-----------------|-----------------------|
| 1. Concrete beam | 4. Inlet Flange | 7. Oblique Shortbar |
| 2. Outlet Flange | 5. Manhole | 8. Horizontal Tie Rod |
| 3. External ladder | 6. C channel | 9. Vertical Support |

• INTERNAL STRUCTURE

1. SS304/2B or SS316

BASE FRAME

1. Painting
2. Hot Dipped Galvanized

LADDER

1. SS304/2B or SS316

FLANGES

- SS304/2B or SS316
-

ADVANTAGES

ANTI-CORROSION

The raw material adopt pure stainless steel 304 or 316; it has excellent corrosion resistance.

POTABILITY

The stainless steel material can be implanted into the human body, it is very best healthy material for us.

RELIABLE QUALITY

Our raw material are all international famous brand. Tank life span can be over 1/4 century.

DIMENSION FLEXIBILITY

The size of panel can be 1.22*1.22m, 1*1m, 1*0.5m and 0.5*0.5m, which can assembled kinds of volume from 0.125m³ to 5000m³. That's extremely convenient to select for you.

CONVENIENT INSTALLATION

Factory precast panel is easy to assemble and disassemble, the construction drawing, installation video, and a series of complete installation plan will be provided.

SAVE SPACE

For argon arc welding type, all the welding process are handle from inside the tank, so there's no need left space around of tank.



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