



**Huili Water Tank**  
Hot dipped galvanized steel water tank

## HOT DIPPED GALVANIZED STEEL WATER TANK SERIES





HUILI steel water tank adopt Q235B carbon steel as substrate, pressed by advanced integrated molding technique. The pipe terminal will welded on the panel before surface treatment (hot dipped galvanizing/enamel coating).

## TECHNICAL DATA

### PANELS

#### • MATERIAL

1. Q235B raw material complying China GB/T 700-2006 standard;
2. Surface zinc layer 70μm thickness complying GB/T19001-2008 standard;
3. Surface treatment optional: Enamel coating.

#### • SIZE & WEIGHT

1. The size of steel panels are produced by standard with 1.22\*1.22m, 1\*1m, 1\*0.5m and 0.5\*0.5m;
2. The panel thickness is depends on tank height; reinforcement
3. The maximum height available is 5 meters (Need add external reinforcement of I-beam for water tank capacity more than 700M3 or with special opening diameters)

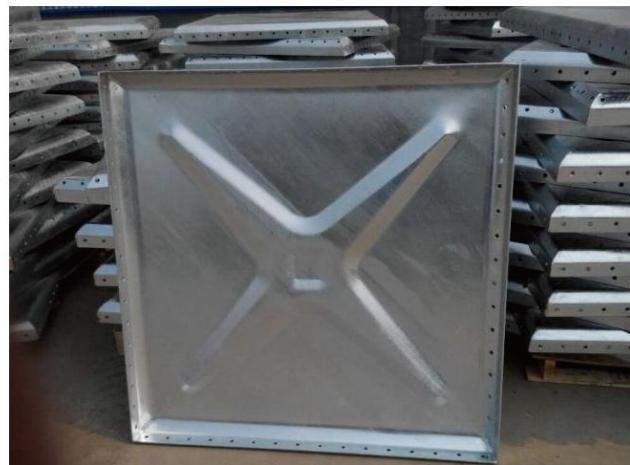
Panel dimension	Weight of each panel				
	2mm	2.5mm	3mm	4mm	5mm
1*1m	17.4kg	22.7kg	26.6kg	36.2kg	46kg
1*0.5m	9.5kg	12.5kg	14.6kg	19.9kg	25.2kg
0.5*0.5m	5.3kg	6.9kg	8kg	11kg	13.9kg
1.22*1.22m	/	33.6kg	39.3kg	53.7kg	68kg

Tank Height (mm)	Thickness of each panel						
	Bottom	1st layer	2nd layer	3rd layer	4th layer	5th layer	Roof
1000	3mm	3mm	/	/	/	/	
1500	3mm	3mm	3mm	/	/	/	
2000	3mm	3mm	3mm	/	/	/	
2500	4mm	4mm	3mm	3mm	/	/	
3000	4mm	4mm	3mm	3mm	/	/	2mm
3500	4mm	4mm	3mm	3mm	2.5mm	/	
4000	5mm	5mm	4mm	3mm	2.5mm	/	
4500	5mm	5mm	5mm	4mm	3mm	2.5mm	
5000	5mm	5mm	5mm	4mm	3mm	2.5mm	

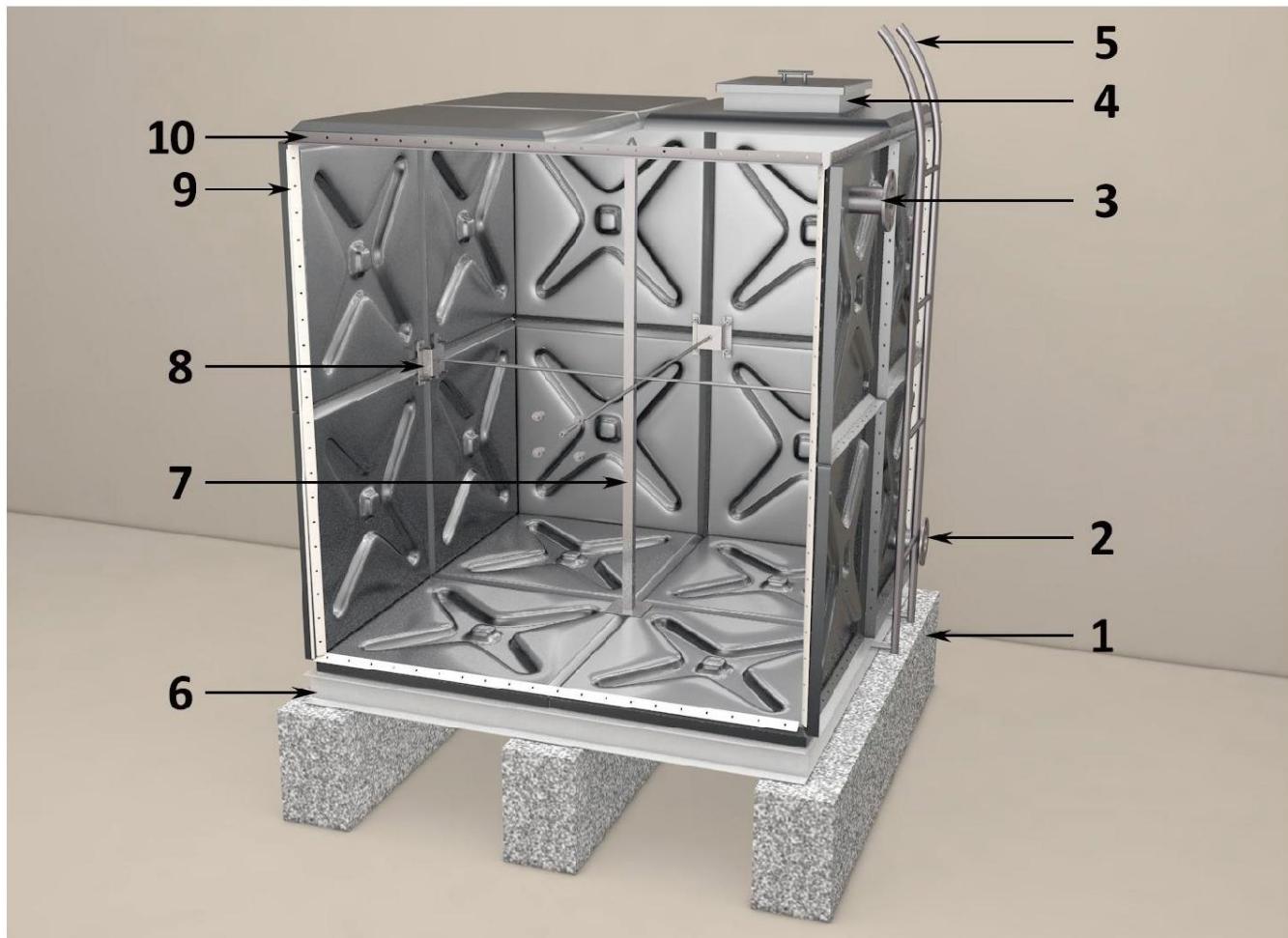
The standard tolerance of thickness is 0.25mm. For example, the actual thickness of 3mm is 2.75mm.

### •PHYSICAL PROPERTIES

Physical properties	Standard requirement	Result
Tensile strength	≥350 MPa	509 MPa
Yield strength	≥220 MPa	414 MPa
Elongation	≥23 %	24%



## **ACCESSORIES**



- |                   |                  |                    |           |
|-------------------|------------------|--------------------|-----------|
| 1.Concrete beam   | 2.Outlet flange  | 3.Inlet flange     | 4.Manhole |
| 5.External ladder | 6.C-channel      | 7.Vertical support |           |
| 8.Tie rod plate   | 9.Sealing rubber | 10.Top angle bar   |           |

- |  |   |
|--|---|
| ● <b>BOLTS &amp; NUTS</b><br>Hot dipped galvanized                     | ● <b>INTERNAL STRUCTURE</b><br>Hot dipped galvanized                |
| ● <b>SEALING RUBBER</b><br>1.Food grade white color EPDM<br>2.Silicone | ● <b>BASE FRAME</b><br>1.Painting<br>2.Hot dipped galvanized        |
| ● <b>FLANGES</b><br>Hot dipped galvanized                              | ● <b>WATER INDICATOR</b><br>1.Glass with brass valve<br>2.Flot type |

# ADVANTAGES

## **ANTI-CORROSION**

The thickness of zinc layer is 70 $\mu\text{m}$  equally, have superior anti-corrosion capability.

## **RELIABLE QUALITY**

Our panel comply the standard of Singapore PSB, SGS, China QSB, etc. The 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 assemble kinds of volume from 0.125m<sup>3</sup> to 5000m<sup>3</sup>. 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.

## **DURABLE**

Using the 1000T hydraulic press integrated molding, no welding seam at panel corners.

## **BURY UNDERGROUND**

All the HUILI steel material water tank can be bury underground, the thickness of inner structure and panels are thicker than normal tank.

