

HOT WATER STORAGE TANK

SUITABLE FOR DRINKING WATER
5 YEARS GUARANTEE ON BOILER

Construction

Emmeti accumulators are manufactured in steel Fe 360 with bottom surface rounded through deep-drawing. The tanks are assembled with precision automatic equipment, and welded with continuous thread in Argon atmosphere with "head" coupling and moulding of these with sleeves and flanges. Insulation grey colour.

Technical data

Maximum operating pressure: 6 bar

Maximum temperature accumulation: 95 °C

Conformity

Emmeti accumulation boiler, accumulation tanks and heat exchangers satisfies the essential safety requirements requested by the directive PED 37/23/CE "Pressure equipment" to be used in appliances of production of warm or cool water, with highest temperature of < 110 °C, and $PS \times V < 50 \text{ bar/litre}$ (art. 3 codicil 3 of the above mentioned directive). The conformity evaluation has been executed in accordance with the rules stated in the blank "A" of the directive.

Protection against corrosion

The protection against corrosion, and suitability for human water consumption of the tank, is achieved through the new organic process of enamelling with Evolution high grip, Blue colour enamel.

The cycle consist of the following phases:

- Degreasing
- Sand blasting
- Phosphatizing
- Rinse with de-mineralized water
- Passivation
- Electro-coating with a layer of special, low free phenol contents, enamel powder
- Fusion in static oven at 220 °C for 20 minutes.

Tests against corrosion are performed according to DIN 50017, 50018 and 50021. Test against chemical agents gave very good results.

- The Evolution enamel treatments guarantees:

mirror like and tough hardness finish, preventing the adhesion of scaling superficial elasticity and resistance to shocks

- The provision as standard of ACES electronic anode gives even further protection to the surfaces.

