

# Industrial Hot Water Generator

## TYPE

Recirculating type/Instantaneous/Direct heating/ Indirect heating

## CAPACITY

Capacity as per the requirement and design standard.

## CONSTRUCTION MATERIALS

The construction materials always standard high-quality plate as per the design requirement. Ensured the mechanical property and chemical composition before construction with MTC. All Reliable Imported Instruments

## CODE AND STANDARD

UL 142/Bangladesh Petroleum Rules 2018, /NFPA-30/ASME BPVC/Others for design and construction and testing.

## WELDING

Ensure the WPS, PQR and WPQ as per ASME section IX for welding Quality. Post weld heat treatment done as per Code requirement.

## TESTING

Ensuring proper testing during construction as per ASME Boiler and Pressure Vessel Code section VIII division 1 code. Proper leakage test after construction with settlement and performance test.

## HEATING PROCESS

- Electric Heating System
- Direct Steam Injection
- Steam Coil
- Gas / Diesel Fired Burner
- Plate Heat Exchanger (PHE)
- Shell & Tube Heat Exchanger

## CORROSION PROTECTION AND FINISHING STANDARDS

- Surface preparation with abrasive blasting
- Three-layer premium paint, so your investment will have longevity.  
Basecoat: Activated Zinc Epoxy Primer  
Mid-coat: High-Build Epoxy Intermediate Coat  
Topcoat: Polyurethane with Zinc Phosphate
- Optional Temperature resistance anti corrosive primer paint.
- For stainless steel products Surface polishing as per Desired Ra Value.

## DOCUMENTATION & CERTIFICATION

- Bangladesh National Building Code 2019
- BSTI Approved Calibration Certificate.
- Bangladesh Explosive Certificate.
- QAP, Weld book, testing & inspection record  
MTC, Fabrication DWGS, DQ, IQ, OQ, PQ

