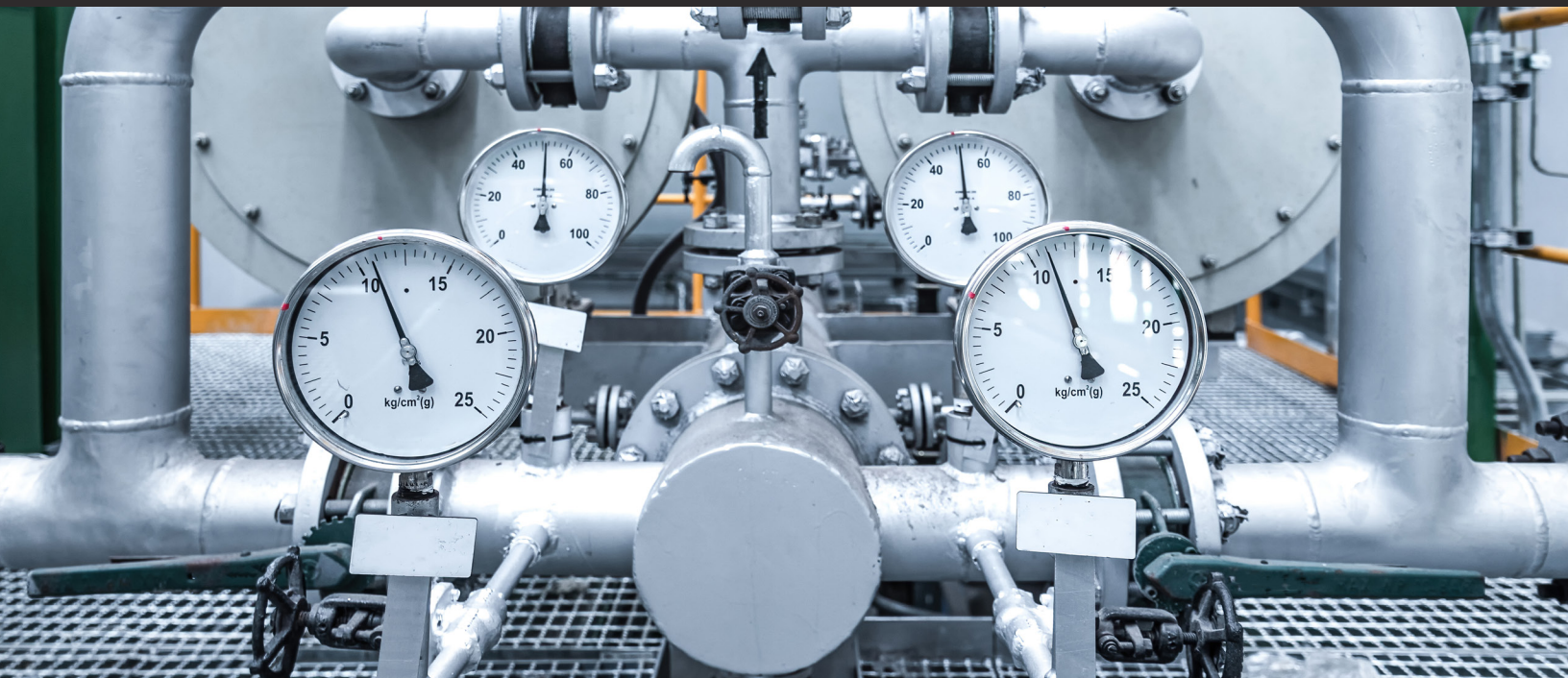




QUANTUM MVB™ HEATERS

MEDIUM VOLTAGE HOT WATER AND STEAM BOILERS



Thermon is the **ONLY** boiler manufacturer that can supply Electric and Electrode-Type Hot Water and Steam Boilers for use on High, Medium or Low Voltage power sources.

Reducing reliance on fossil fuels and lowering carbon footprint is a top priority for many industries. Thermon is leading the way with our new Medium Voltage Boilers.

Our Medium Voltage Boilers are specifically designed to withstand higher voltage levels and provide reliable and controlled heating, ensuring smooth and efficient operation.

WHY MEDIUM VOLTAGE?

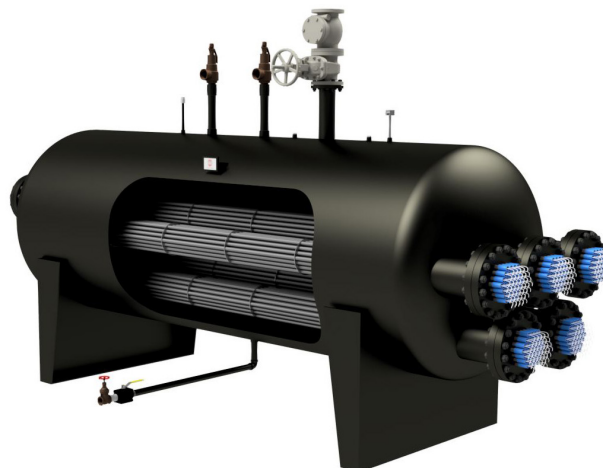
- Reduced Environmental Impact
- Higher Capacity Equipment
- Increased Efficiency
- Reduced Installation Costs
- Simpler Installation and Maintenance
- Elimination of Step-Down Transformers
- Lower Power Losses

THERMON QUANTUM MV™ DIFFERENCE

- Reliability of Design
- Better Quality and Performance
- Reduced Element Temperatures
- Long Equipment Life

HEATER CERTIFICATIONS

- ASME Pressure Vessel (PED available)
- Designed and built in accordance with UL834
- Controls designed and built in accordance with UL508 or UL347
- Heating elements certified by UL





QUANTUM MVB™ HEATERS

MEDIUM VOLTAGE HOT WATER AND STEAM BOILERS

HOT WATER AND STEAM BOILERS

APPLICATIONS

- Commercial HVAC
- Process Steam or Hot Water
- Food and Beverage Processing
- Pharmaceutical Processing
- District Heating
- Healthcare Facilities
- Education Facilities
- Chemical Plants
- Power Plants

FEATURES AND BENEFITS

- Increased Efficiency
- Reduced Installation Costs
- Simpler Installation and Maintenance
- Elimination of Step-Down Transformers

ELECTRODE BOILERS

- Steam from 80 to 5000 BHP
- Vertical Design
- Pressures 100 to 500 PSIG

ELECTRIC BOILERS

- Hot Water or Steam up to 1000 BHP
- Horizontal or Vertical designs available
- Pressures 100 to 250 PSIG
- Replaceable Flange Heater Bundles

CONTROL SYSTEMS

ELECTRODE BOILERS

- Ratings 800 kW to 50 MW
- Voltages 4160 to 15,000 Vac 3Ø

ELECTRIC BOILERS

- MV Ratings to 10MW, 4160, 6600 or 6900 Vac, 3Ø
- LV Ratings to 5 MW, 240, 480, 600 or 690 Vac, 3Ø
- Available Control Schemes
 - » Full SCR
 - » Step Controller
 - » SCR + Step Controller
- Integrated HMI Control Interface
- Integrated PLC Control
- Vacuum Contactors (MV)
- Communication Capabilities for Energy Management Systems
- Separation of Low and Medium Voltage Controls
- Ground Fault Protection available
- Dust-tight or Weather-tight Enclosures
- Anti-Condensation Heater



QUANTUM MVB™
(Available from 1-10MW)



LOW VOLTAGE BOILER (500 KW Shown)



ELECTRODE BOILER (50 MW Shown)

Thermon™ electric heaters, heating elements and heating accessories are well-known in the industry for their quality, reliability, performance and versatility.

Thermon™ offers engineered heating solutions custom designed, manufactured and tested to satisfy industry specifications. No matter what the application or environment, Thermon™ has a solution for any specialty project or requirement.