

# CYCLOTHERM AUTOCLAVES

Cyclotherm South Africa is firmly established as an industry leader in the manufacture, supply and maintenance of Autoclaves, Boilers as well as Hot Water Vessels, in South Africa and throughout the rest of the continent.

All products are manufactured in accordance with the highest possible standards of quality and internationally recognized codes of practice. World-class standards are strictly adhered to by Cyclotherm, including inspection and design approval, procedures and methodologies.

Cyclotherm autoclaves have been developed out of extensive and proven experience that has established this product as a standard in the industry, hence the 25 tyre autoclave.

Over 125 Autoclaves have been manufactured by Cyclotherm for both the local and international markets.

The experience gained by Cyclotherm from this wide background of activity has immeasurably enhanced our capability and helped develop innovative techniques and features, which are now standard in industry.

The hinged door forms an integral part of our Autoclave and is fitted with our own loose ring door-securing device which ensures perfect pressure retention and long seal life as our door does not rotate, only the door securing device. Smooth operation of the door requires opening and closing with minimal physical effort. All Autoclaves are fitted with a mechanical door safety device which prevents the door being opened while the chamber is still under pressure.



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All Autoclaves are lagged with 40mm fiberglass for insulation purposes, with either Galvanised or Stainless steel sheet cladding.

Quality of finish and workmanship is to the highest standard. Manufactured in accordance to the BS (British Standard) or ASME (American Standard), including South African inspection and design approval SANS 347: 2008 – (RSA/CIF 8.1 07 A.08)

All Autoclaves are supplied with appropriate inspection certification.

We build Autoclaves suitable for electrical, dry and wet steam heating.

We have different sizes to our autoclaves and they can be built to the customer's requirements. Our standard range of autoclave is 12 tyre, 16 tyre and 25 tyre.

Cyclotherm manufactures autoclaves extensively for a wide range of other industries which include:

- Mining
- Timber Curing
- Textiles
- Tyre Retreading
- Rubber Curing
- Curing of Composite materials
- Printing
- Agriculture
- Epoxy products
- Plate glass annealing
- Millboard manufacture

**Now all Cyclotherm Autoclaves are fitted with PLC's which ensures better control and efficiency, thus guaranteeing substantial cost savings thru.**  
**-Better air circulation thru improved ducting & cowling.**  
**-Better electrical element handling and efficiencies.**

As specialists in Autoclave technology and operations, Cyclotherm is actively engaged in every aspect of servicing such as:

#### • Inspection.

Cyclotherm possesses the personnel in terms of the Occupational Safety Act 85 of 1993, as amended 2009 (SANS 347), to carry out annual and statutory inspections of autoclaves and pressurised systems.

#### • Insulation.

Lagging and cladding of autoclaves with either galvanized or stainless steel sheeting.

#### • Conversions.

Autoclave conversions from electric to dry or wet steam heating and visa versa. Cyclotherm can also extend or shorten autoclaves as required.

#### • Ancillary Equipment and Spares

We supply a wide range of valves, steam traps, strainers, safety valves, control equipment and electrical elements.

**Door Seals** - We have supplied all industries with Door Seals for the past 30 years and are still the leading supplier.

#### • Reconditioning

Cyclotherm also refurbishes/reconditions used autoclaves. A rebuilt autoclave carries a six month guarantee.

