THERMAX

WATER AND WASTE SOLUTIONS



Spare Parts Management

Sustainable Solutions in Energy & Environment

Thermax is an engineering company that helps business enterprises perform competitively and sustainably in global markets. In over 75 countries, clients make use of Thermax's products and solutions for energy efficient and eco-friendly operations: heating equipment and power plants that use a wide variety of fuels including solar energy; absorption chillers that use heat in place of electricity; waste heat recovery units; water & waste water management, air pollution control systems; performance improving chemicals.

The company provides its customers value added services – audits of energy and water, system modifications for optimal use of resources, annual maintenance contracts, energy rentals and O&M of power and water installations.

Thermax operations are supported by innovative R&D and partnerships with global technology majors. It has an international sales & service network spread over 24 countries and state-of-the art facilities (in India, Denmark and China) that manufacture to international standards.

Thermax's energy efficient and eco-friendly portfolio of technologies includes:

- Boilers & Heater
- Process Heating
- Absorption Cooling
- Air Pollution Control
- Chemicals
- Solar
- Power Generation
- Water & Waste Solutions

Spare Parts Management

Productivity and focus on core production, is your priority.

Thermax understands how the smooth functioning of the water and waste treatment systems is critical to your process, and how any problem in these utilities can impact operations.

To ensure optimal plant performance, genuine care that only original spares provide, are of utmost importance. Thermax offers Thermax Genuine Spares for an assured lifetime and reliable operations.

Thermax Genuine Spares features

- Assures lifetime for changed parts
- Longer Meantime Between Repairs
- Consistent Reliable Operations
- Reduced Life-cycle Costs
- One Stop Shop for All Types of Spare Parts
- Fitment Guarantee



Thermax Genuine Spare Offering

Cartridge Filter – Elements & Housing	Filter Media : Filtering Sand, Pebbles, Activated Carbon, MNO2, FAB Media, Tube Settler Media, Garnet Media
RO & UF Membranes and Spares	Instruments : Online Rotameters, TDS meters, pH meters, Conductive Analysers, etc
EcoDose Pumps & Smart Dozing Systems	Filter Nozzles : Strainer Buttons, Ball Rings, FAB Media, Pall Rings, etc
Victaulic Couplings	Tanks : FRP, MS, MSRL, SS, LDPE tanks as per specifications
Ejectors & Multiport Valves	Fabrications : Moisture Traps, Resin Traps, CO2 Absorbers, etc
Pressure Tube Assembly & its Spares	Pressure Vessels : Filters (Sand, Dual Media, Carbon, Garnet, Ion Removal), Exchangers (SAC, SBA, WBA, WAC, MB, LBC, LBA), Vessel Internals, and all related spares
Spares for entire spectrum of equipments and bought out items	Customized spares to suit project specific needs

Thermax UV System

Reliable, high quality UV disinfection solutions to inactivate all types of bacteria, viruses, yeasts, spores, algae, fungi, and many other pathogenic microorganism.

UV radiation of wavelengths between 200 to 280 nm (UV-C) has proved to damage DNA molecules of most pathogenic micro-organisms including bacteria, viruses, yeasts, protozoa, fungi, cysts, spores, etc.



Product Features

- Compact High-performance quartz UV lamps
- Matched electronic ballasts
- Fused, high % UVT silica quartz sleeves
- Available in Vertical or horizontal installation type
- Saves skid and piping costs with long-life operation
- Choice of power supplies with System status indicators
- SS316L electro-polished UV chambers

Cartridge Filter – Elements & Housing

Advanced Melt blown cartridge elements available in spun & wound type Effective for Pre-treatment in RO for ensuring SDI 15 (min) < 5

Features

- High dirt-holding capacity
- Good chemical resistance
- 100% Polypropelene
- Consistent high performance filtration

Specifications

- Micron ratings : Nominal - 1, 5, 10, 25 and 50
- Length : 10, 20, 30 and 40 inch
- Inside diameter : 28 mm
- Outside diameter : 63 mm
- Outside diameter : 115 mm (for Big Blue)
- PP cartridges Housing for Big Blue and Normal Cartridges

Operating Conditions

- Maximum Operating Temperature : 40°C
- Maximum Operating Pressure : 3.2 Kg/cm_2
- Recommended Replaceable Pressure Drop : 1 Kg/cm2
- Drop in flow below 10% of rated flow or increase in DP by 1 kg/cm2



Pressure Tube and Spares

For RO membranes enclosure.

Pentair, UKL and other makes on demand

Features

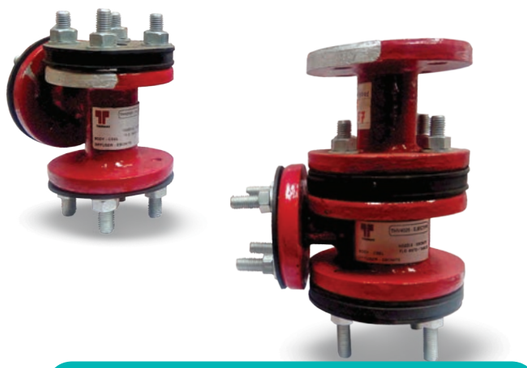
- Available in End Port and Side Port configurations
- Internal diameter is mirror finished to a tolerance of ±0.1mm facilitating easy loading & unloading of membranes
- External surfaces are highly polished & coated with high-gloss polyurethane paints for UV resistance & excellent aesthetics
- End Cap assembly comprises of a single piece moulded seal plate, a unique high quality seal ring, a heavy duty aluminium bearing plate and a 3 turn stainless steel locking ring. This unique design



facilitates easy removal and insertion of the end cap without any special tools, making it very user-friendly.

- 8" membrane housings are available from 1 element to 8 elements with pressure ratings of 250 psi, 450 psi, 600 psi, 1000 psi and 1200 psi
- All models are supplied with saddle and SS straps





Ejectors

Available in 1 : 1 and 1 : 5 ratio

Features

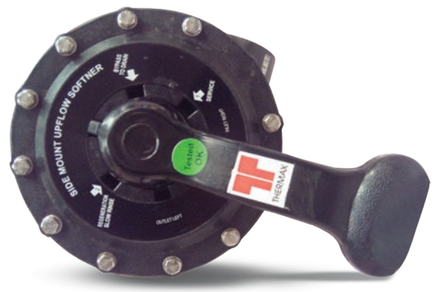
- Easy to install
- Proven design to deliver required chemicals for regeneration

Victaulic Couplings

Available in a variety of styles to suit your needs.

Features

- MOC : CI, SS
- No need and no time required to cut out sections of pipe and re-weld
- Enhance Jobsite Safety



Multiport Valves

Multiple functions are effectively done by user friendly and simple operation is single valve

Features

- MOC : PP
- Available Sizes : 20 NB to 65 NB
- Available in top mount and side mount models for all sizes
- Available for upflow or downflow filters / softener

Ecodose Pump

Features

- Automatic air release solenoid driven diaphragm metering pump
- Can be operated on any supply voltage from AC 150 V to AC 270 V at stable discharge capacity
- Digital Stroke Setting
- Ex Stock availability
- Accuracy in Chemical Dosing Control
- Reliable Operation



Specifications

- Capacity : 6 LPH, 10 LPH and 12 LPH
- Maximum Injection Pressure : 4 Bar
- Stroke Speed : 30 to 300 SPM
- Stroke Length : Fixed at 1 mm
- Maximum Allowable Viscosity : 50 mPA – 5 or less
- Net Weight : 1.8 Kg



Smart Dosing System

Dosing system is designed for dosing of liquid chemicals, taken from bulk storage tank.

The system has been designed as a free standing unit with a top mounted dosing pump.

Due to high quality material, dosing system can be applied universally for most dosing liquids.

Features

- Optimized chemical consumption
- Outdoor usage MOC : FRP
- Minimum maintenance
- Accurate, efficient and safe
- Free standing and compact
- Integrated intelligence feature with auto compensation and auto calibration

Specifications

- Flow : 6 LPH
- Head : 3.5 kg/cm^2
- Product type : Liquid Chemicals
- Dosing Method : Digital Dosing
- Tank MOC : FRP / LDP
- Tank capacity : 60 / 80 / 100 L
- Pump MOC : PP



Conductivity / TDS

Complete range of instruments and sensor for Conductivity / TDS meter

Features

- Mains operated Conductivity / TDS indicator
- Ideal for outdoor as well as panel mount application
- Automatic temperature compensation (optionally available)
- 4-20 mA output for panel indication / PLC (optionally available)
- Accurate and easy calibration

pH / ORP

- pH / ORP controller has been designed for easy, affordable installation in tight spaces to perform simple yet effective process control
- It can be installed on field or panel
- This versatile controller is ideal for a wide variety of applications

Silt Density Index (SDI) Kit

Wide assortment of SDI Kit that feature qualitative characteristics like smooth performance and low maintenance. The kit is completely assembled in a portable, compact case, ready for on-site testing

Features

- Quick release coupling making multi-point sampling convenient
- Automatic release valve
- Transparent body
- Best way to enhance the life of your membranesother applications

Rotameter

Rotameter is a reliable instrument that is used for indication of continuous flow rate. We provide full range of flowmeter for your application.ores, etc.

Features

- Easy installation
- Corrosion resistance body
- Compact design
- Available in panel / online and field type



Features

- Easy settings using front keys
- Auto / Manual option for relay
- Individual set-point based relay operation
- Isolated 4-20 mA output optionally available for other applications



Thermax Air Blower

Heavy-duty and durable Thermax Air Blowers are provided with different flowing rates. They are designed in any capacity for meeting the demands of different various working pressures .They can easily work in high pressure and vacuum applications. They are designed for meeting varied load conditions to provide the best performance. These efficient Air Blowers ensure to deliver oil-free air.



Product Features

- Superior quality
- Hustle free operation
- 100% Oil free air
- Higher reliability

MODEL NO	CAPACITY (m3/hr)	PRESSURE (kg2/cm)
A1-40	25	0.45
A1-40	50	0.45
A1-42	60	0.45
A1-42	90	0.45
A1-44	110	0.45
A1-44	125	0.45
A1-44	105	0.65
A1-53	133	0.65
A1-53	165	0.45
A1-53	165	0.45
A1-55	180	0.65

Thermax FRP Pressure Vessels

Thermax FRP Pressure Vessels offer reinforced fiberglass construction for outstanding performance and durability. The ideal pressure vessel for residential and light commercial water treatment applications that require flexibility and improve your water treatment system. The strong materials that make up of these equipment, including leak-proof features make them useful in water applications, engineering and relevant industries. Other advantages providing by our FRP pressure vessels are consistent stability, ease of maintenance, and high resistance to temperature fluctuations.

Product Features

- Outstanding performance, easy to handle and install
- Long Durability
- Durability in harsh chemical environment
- Absolute Corrosion resistant
- Top/Bottom opening
- Require Little or no maintenance



Operating Parameters

- Maximum Operating Pressure - 150 psi
- Operating temperature 35 to 120 degree Celsius

Standard Sizes in Inches (DIA x Height)

- 6x24,6x35,7x35,8x44,10x54,12x48,13x54,14x65
- 16x65,18x65,21x62,24x72,30x72,36x72,42x72

www.thermaxglobal.com

Boilers & Heater

Absorption Cooling

Air Pollution Control

Process Heating

Solar

Water & Waste Solutions

Power Generation

Process Cooling

Chemicals

THERMAX

Sustainable Solutions in Energy & Environment

Registered Office

Thermax Limited
D-13, MIDC Industrial Area, R D Aga Road,
Chinchwad, Pune 411019, India
enquiry@thermaxglobal.com
Customer Care: 1800-209-0115

Corporate Office

Thermax House
14 Mumbai-Pune Road,
Wakdewadi, Pune 411 003
+91-20-66051200/25542122
+91-20-25541226

graphicjampm@gmail.com

www.thermaxglobal.com

thermaxglobal thermax_global thermaxlimited thermaxglobal thermaxmedia

This brochure presents only some of our products and we reserve the right to amend any product details without notice.
The photographs used in the brochure are indicative and may not match the actual plant © 2020 Thermax limited. All rights reserved.