

**BRAND INDIA ENGINEERING
E-CATALOGUE**

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Tekna Manufacturing Private Limited

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Tekna Manufacturing based out of Chennai is a recognized startup (startup India program) and has been developing and manufacturing medical devices since 2016. We manufacture Hyperbaric chambers which are useful in healing non healing diabetic foot ulcers amongst other applications. Our products have received US FDA clearance and are being exported to a few countries since 2017. We have installed these products in Sri Lanka, USA, Philippines, etc. We are also shortly receiving our CE certification and hope to commence exports to European countries as well. We have been displaying our products at Arab Health for the last two years and are expanding to focus on more markets as well.

Products Description

Hyperbaric Chamber

Product Category

Others-Category

Product Sub-Category

Hyperbaric oxygen therapy chamber

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Technical Details

Hyperbaric chambers are used to treat various indications and primarily non healing wounds such as diabetic wounds, burns etc. Hyperbaric therapy involves pressurizing the patient to upto 3 atmospheres of pressure greater than sea level pressure while breathing 100% oxygen. We manufacture the entire range of hyperbaric chambers 1. Monoplace or single person chambers 2. Multiplace chambers that can accommodate from 2 to 24 people 3. Rectangular chambers and modular rectangular multiplace chambers. They also have ul classification for compliance to the medical device electrical safety standard.

ITC HS Codes

901920, 90192010

Certification/ Standard

ISO 13485

Issuing Agency

Date of Issue

07-02-2019

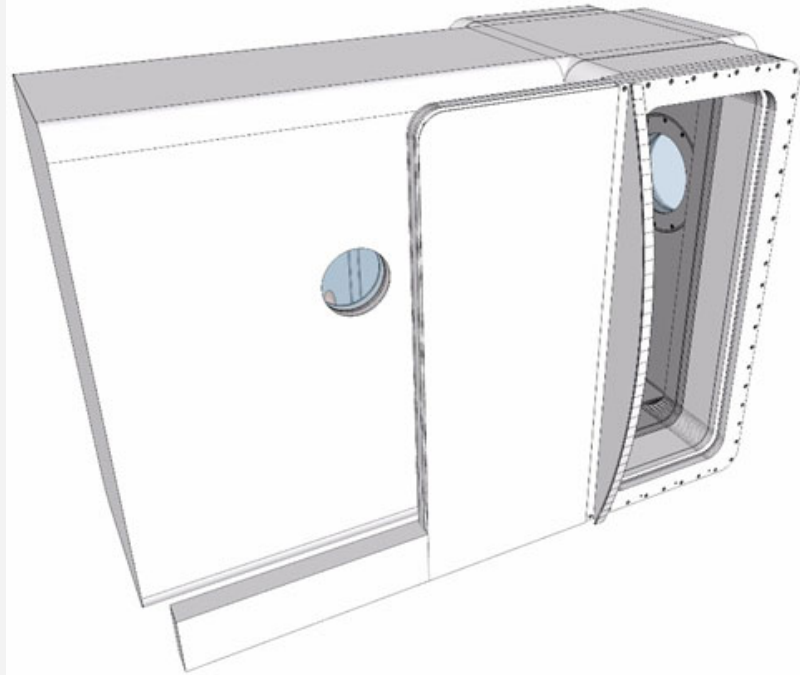
Date of Expiry

End Use Sectors

Product Images



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Monoplace Hyperbaric Oxygen Therapy Chambers

Product Category

Others-Category

Product Sub-Category

Hyperbaric Oxygen Therapy Chambers

Technical Details

Our Monoplace HBOT chambers are meant for Single Patient Occupancy and are designed for being pressurized with 100% oxygen at pressures of up to 3ATA (Atmospheres Absolute) greater than Normal Atmospheric Pressure. The pressurization gas is Medical Grade Oxygen and the Patient breathes the same during the entire treatment. The Pressure Vessels are ASME (American Society of Mechanical Engineers) 'U' stamped and are fully compliant with NFPA 99 and ASME PVHO-1-2016. This ensures that every stage of Manufacturing is monitored by an Independent ASME Appointed Third Party Agency and each Chamber is individually 'U' stamped after passing a Hydro Static Test at 1.3 – 1.5 times the design pressure. This in turn assures a long design life for the chamber that typically exceeds 20 years. Model HYBRID 3200/32 – 32 Inch Inner Diameter. It is a more economical option and a most Common Device for Small clinics where a minimum space is available. Model HYBRID 3200/40 – 40 Inch Inner Diameter. Our fastest selling chamber in hospitals or Clinics with a spacious room inside the chamber and luxurious experience.

ITC HS Codes

901920, 90192010

Certification/ Standard

ISO 13485

Issuing Agency

Date of Issue

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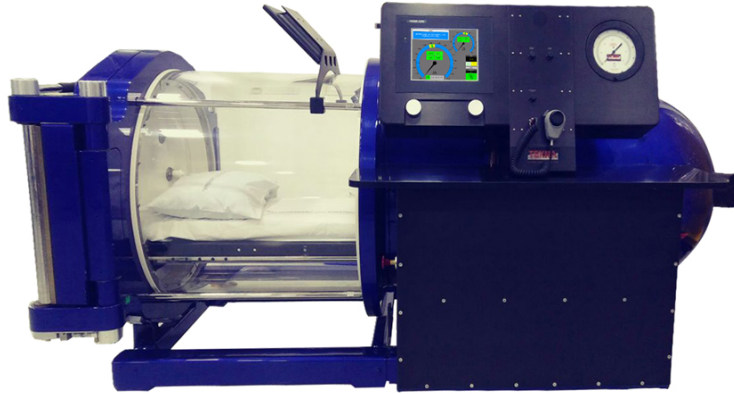
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Multiplace Hyperbaric Oxygen Therapy Chambers

Product Category

Others-Category

Product Sub-Category

Hyperbaric Oxygen Therapy Chambers

Technical Details

Tekna offers a range of Multiplace chambers for customers to choose from. The following models are available as a standard and they can accommodate from 2 - 12 patients typically. • Model 5000/60 – 5 Foot Inner Diameter. Most Common Device for Diving Applications and Tunnel Boring Applications. Small chamber that can easily fit into containers or a deck of a ship with floor cushions for treating patients in a stretcher or for long decompression dives • Model 5000/72 – 6 Foot Inner Diameter. Our fastest selling chamber for Medical Applications in hospitals or Clinics consisting of Fold up Seats for quickly switching to accommodate seated and lying down patients. • Model 5000/84 – 7 Foot Inner Diameter. Our Recommended Chamber for Medical Applications if Space is Available. Consists of Theater Style seats with arm rests. • Model 5000/96 – 8 Foot Inner Diameter. A luxury Variant with reclining seats. The Tekna Multiplace Chambers are available in a Single or Double Lock Configuration* and they can accommodate from 2 to 12 patients typically. Our Multiplace Chambers consist of the Pressure Vessel, Control Console, Fire Suppression System and a Medical Grade Air Compressor Package.

ITC HS Codes

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Certification/ Standard

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Date of Issue

07-02-2019

Date of Expiry

06-02-2022

End Use Sectors

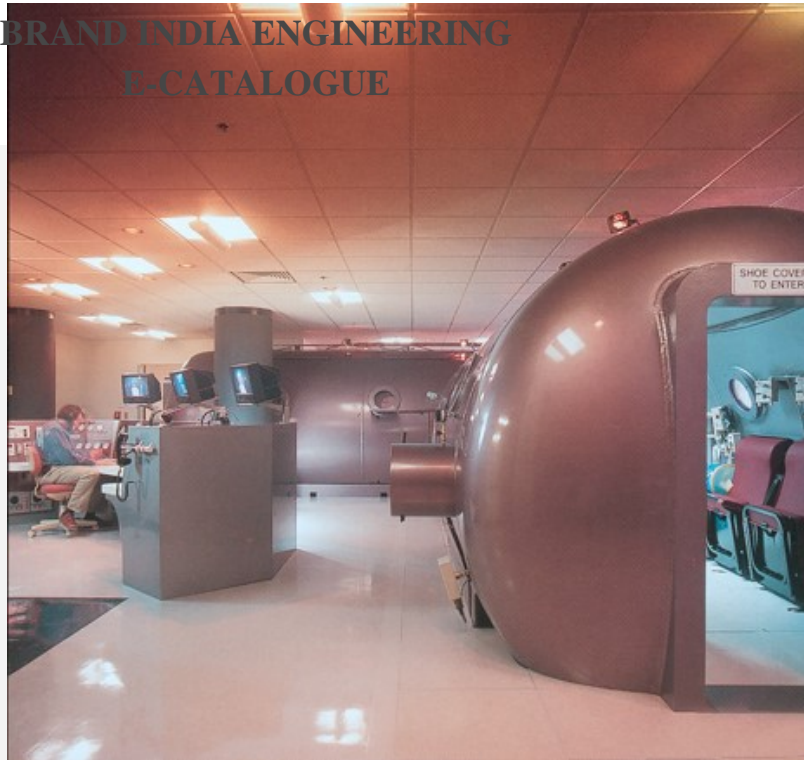
Hospitals

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Modular Rectangular Hyperbaric Oxygen Therapy Chambers

Product Category

Others-Category

Product Sub-Category

Hyperbaric Oxygen Therapy Chambers

Technical Details

We supply the entire range of Hyperbaric Chambers and our products are FDA 510 (k) cleared. Apart from the standard Monoplace and Multiplace Chambers, we also supply Rectangular Chambers, Portable Decompression Chambers (for the Navy), Deck Decompression Chambers, Modular Buildings (Multiplace Chambers fully contained in a Modular Building), Trailer based Chambers, etc., All of our chambers are ASME 'U' Stamped, PVHO -1 and NFPA -99 Compliant. This means that every pressure vessel and acrylic is manufactured not only under our strict QMS (9001 and 13485), but also under strict third party supervision at every stage. Our products have a long design life that typically exceeds 20 years and require minimal maintenance. * Cool Touch Fiber Optic LED Lighting System * State of the art communication system * Environmental Control Units * Personalised Cameras for Individual patient monitoring * Sliding Door with an electronic actuator * Unique design to accommodate multiple patients * Expandable in future * Convenient modular control console * Fire Suppression System complies with NFPA-99

ITC HS Codes

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Certification/ Standard

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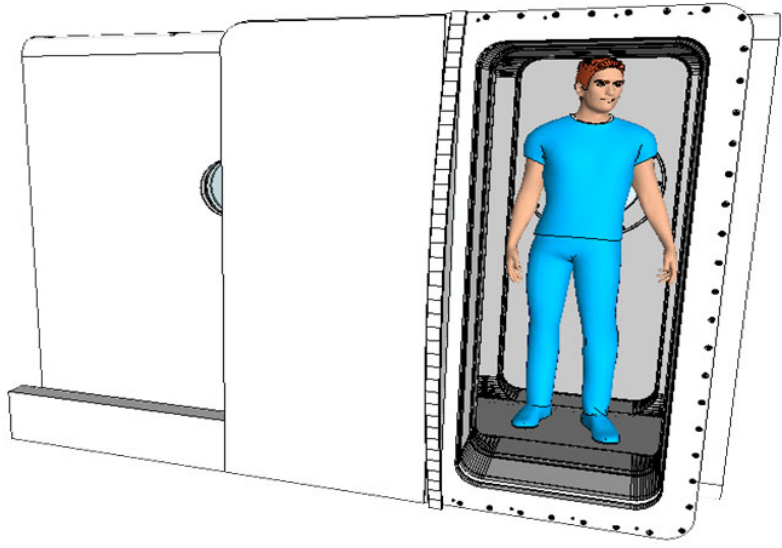
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Sectors of Interest

Hospitals, wound care centers, clinics

Is After Sales Service Provider?

No

Importance of niche products

Hyperbaric chambers are typically used as the last resort to save a patient's foot and prevent amputations especially in patients suffering from Diabetic Foot Ulcers. Tekna manufactures the entire range of hyperbaric chambers and especially focuses on modular chambers that can be broken down and installed into small clinics.

Potential market of niche products

Hospital, clinics, wound care centers

Product Supply Record

Patented Technologies

Awards/Accolades