

VALTOR
Multi-Use Medical Chair



Chair Specifications

Frame Structure

Table with 2 columns: Specification and Value. Rows include Frame Material (Steel Frame), Armrest & Components (Molded Polypropylene), Frame Structure (Knock-Down (KD)), Back Panel (Plywood Bentwood), and Load Capacity (≥150 kg / Seat).

Frame Finish

Table with 2 columns: Specification and Value. Rows include Finish Coating Type (Electrostatic Epoxy Powder Coating), Coating Thickness (70-90 Micron), Salt Spray (≥ 500 Hours), Curing Temperature (220°C), Corrosion Resistance (YES), Finish Scratch Resistance (YES), Finish Stain Resistant (YES), and Finish Chemical Resistant (YES).

Foam Specifications

Table with 4 columns: Specification, Value, Specification, Value. Rows include Foam Type (Cut Foam), High Resilience (HR) Foam (YES), Foam Density - Seat (50 kg/m³), Foam Density - Back (40-45 kg/m³), Foam Tensile Strength (≥120 kPa), Foam Elongation (≥130%), Foam Rebound (≥50%), and Foam Tear Strength (≥2.5 N/cm).

Upholstery Specifications

Table with 4 columns: Specification, Value, Specification, Value. Rows include Manufacturer (Elastron® - (Portugal)), Upholstery Type (Medical Grade Vinyl), Surface Composition (91% PVC + 9% Polyurethane), Backing Composition (95% Polyester + 5% Cotton), Upholstery Weight (980 g/lm (+/- 5%)), Upholstery Thickness (1.0 mm), Upholstery Tensile Strength (Warp 532 N | 18.5%, Weft 420 N | 27.7%), Tear Growth Resistance (Warp 60.9 N, Weft 39.4 N), Seam Slippage Resistance (Warp 3.3 mm, Weft 3.3 mm), Colour Fastness to Rubbing (Dry 5, Wet 5), Permanent Creasing Behavior (100,000 Cycles - PASS), Upholstery Durability Performance (>800,000 Cycles), Resistance to Urine (PASS), Resistance to Hospital-Grade Disinfectant Cleaner (PASS), Upholstery Antibacterial Tested (PASS), Upholstery Resistance to Hydrolysis (8 Years), Upholstery High Scratch Resistance (YES), Fire Performance (PASS), and Colour Fastness to Artificial Light (Grade 5).

## VALTOR

### Multi-Use Medical Chair

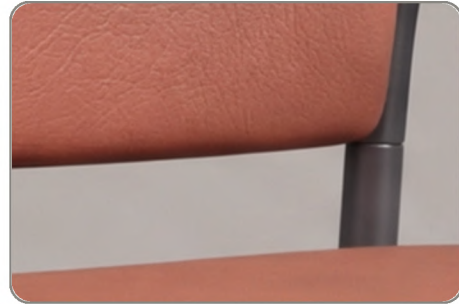


#### Feature Design & Healthcare Benefit



##### Integrated Backrest Design

Molded polypropylene backrest with upholstered support for comfort and easy cleaning.



##### Clean-Thru Design

Open-frame construction minimizes dirt buildup and simplifies cleaning.



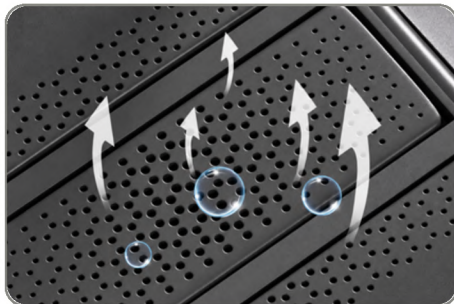
##### One-Piece Molded Armrest

Integrated armrests provide comfortable support and a durable, smooth surface.



##### Match-Head Foot Pads

Rounded foot caps protect flooring from scratches and scuff marks.



##### Ventilated Honeycomb Base

Perforated seat base promotes airflow and provides a durable seating surface.



##### Steel Reinforcement Support

Reinforced steel frame ensures strength, stability, and durability.

## VALTOR

### Multi-Use Medical Chair



#### Technical Drawing & Dimensions

##### Multi-Use Chair With-Arm



##### Multi-Use Chair



## Frame Structure

### Steel Frame

Steel frame provides high structural strength, rigidity, and durability, supporting reliable long-term performance under frequent and demanding healthcare use.

### Molded Polypropylene (PP)

Lightweight, durable, impact-resistant polypropylene provides a smooth, easy-to-clean surface suitable for everyday use in healthcare environments.

### Frame Structure

Engineered structural design that supports stability, durability, and reliable performance during repeated patient and staff use.

### Load Capacity

Defines the maximum supported load to ensure safe and reliable use in healthcare and patient-care environments.

## Frame Finish

### Electrostatic Epoxy Powder Coating

Provides a durable, uniform protective finish designed for frequent use in healthcare environments.

### Coating Thickness

Controlled coating thickness provides consistent surface protection, durability, and resistance to everyday wear.

### Salt Spray Resistance

High salt-spray resistance helps protect the steel frame against corrosion and supports long-term durability.

### Curing Temperature

Controlled high-temperature curing promotes proper coating adhesion, hardness, and long-term finish performance.

### Corrosion Resistance

Helps protect the steel frame from corrosion, supporting long-term performance in demanding healthcare environments.

### Finish Scratch Resistance

Helps protect the coated surface from scratches and wear caused by frequent handling and daily use.

### Finish Stain Resistant

Helps resist staining and maintain a clean, professional appearance during routine healthcare use.

### Finish Chemical Resistant

Provides resistance to commonly used healthcare cleaning chemicals and disinfectants, supporting frequent cleaning and sanitation.

## Foam Specifications

### Foam Type

Precision-cut foam provides consistent cushioning and a well-defined shape for upholstered seating. Designed to support comfort and maintain its form during everyday use, it delivers reliable seating performance in healthcare environments.

### High Resilience (HR) Foam

Provides responsive support and helps the cushion recover its shape after repeated use.

### Foam Density

Provides durable cushioning and helps maintain seat shape under frequent daily use.

### Foam Tensile Strength

Supports structural integrity and resistance to internal stress during repeated use.

### Foam Elongation

Allows controlled flexing under repeated loading while supporting long-term durability.

### Foam Rebound

Enables rapid recovery after compression, helping maintain consistent support and comfort.

### Foam Tear Strength

Helps resist tearing and material damage during repeated use and upholstery handling.

## Upholstery Specifications

### Upholstery Type

Medical-grade vinyl designed for durability, cleanability, and routine use in healthcare environments.

### Surface Composition

PVC-based surface with polyurethane content providing a durable, cleanable, and wear-resistant finish suitable for healthcare applications.

### Backing Composition

Reinforced textile backing provides dimensional stability, flexibility, and structural support for long-term upholstery performance.

### Upholstery Weight

Provides a substantial material construction that supports durability and long-term performance under frequent use.

### Upholstery Thickness

Provides a durable protective surface while maintaining flexibility and suitability for upholstered healthcare furniture.

### Upholstery Tensile Strength

High tensile strength helps the upholstery withstand stretching and repeated use while maintaining its structural integrity.

### Tear Growth Resistance

Helps prevent existing tears from spreading, supporting long-term durability in high-use healthcare environments.

### Seam Slippage Resistance

Helps maintain seam integrity under repeated loading and movement, supporting durable upholstery construction.

### Permanent Creasing Behavior

High resistance to permanent creasing helps maintain the upholstery's appearance and surface integrity during repeated use.

### Colour Fastness to Rubbing

Helps maintain consistent appearance during repeated contact, handling, and routine cleaning.

### Upholstery Durability Performance

High abrasion resistance supports long-term performance under frequent seating, movement, and daily healthcare use.

### Resistance to Urine

Resistance to urine-based contamination supports easier cleaning and helps maintain upholstery performance in patient-care environments.

### Resistance to Hospital-Grade Disinfectant Cleaner

Designed to withstand routine exposure to hospital-grade disinfectants, supporting frequent cleaning and sanitation protocols.

### Upholstery Antibacterial Tested

Tested antibacterial performance supports hygienic upholstery applications when combined with appropriate cleaning and disinfection practices.

### Upholstery Resistance to Hydrolysis

Resistance to hydrolysis helps protect the upholstery from deterioration caused by moisture and humidity, supporting long-term service life.

### Upholstery High Scratch Resistance

High surface resistance helps minimize visible damage from routine contact and use, maintaining a professional appearance.

### Fire Performance

Meets specified fire-performance requirements, supporting safer use in healthcare and commercial interior environments.

### Colour Fastness to Artificial Light

Good resistance to light exposure helps minimize fading and maintain consistent colour appearance over time.