

tediselmedical

quality

Tedisel Management System and all our products are certified with quality seal **ISO 9001**, **ISO 13485** and **CE marking** granted by notified body **TÜV RHEINLAND**.

Tedisel, as medical device manufacturer, has the medical device manufacturer license number 6205-PS, granted by the Spanish Agency for Medicines and Health Products

All medical devices developed and manufactured in Tedisel, are regulated by the European Directive 93/42/EEC. All equipment has accreditation and certification of electrical safety and electromagnetic compatibility standards ISO 11197 and EN 60601.

08-2018

<p>agencia española de medicamentos y productos sanitarios</p>	<p>GOBIERNO DE ESPAÑA</p>	<p>MINISTERIO DE SANIDAD, CONSUMO Y BIENESTAR SOCIAL</p>
<p>Management System ISO 9001:2015</p>		<p>Management System EN ISO 13485:2016</p>
<p>www.tuv.com ID: 9108646195</p>		<p>www.tuv.com ID: 0909025796</p>

CE 0197



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# Abitus

Ceiling suspended system, designed for critical areas

# High efficiency in critical areas

## Ergonomic

Guarantees efficient and safe workflow, reducing the response time to face emergencies.

## Versatile

It allows modification of its components and accessories according to the demands and requirements of each area.

## Higher Equipment Capacity

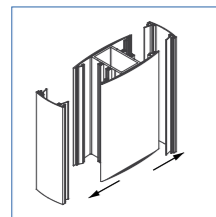
In the I.C.U., the equipment requirements are greater than in other areas.

# Abitus in detail

## Ceiling suspension pipes

### To support, separate and guide

The gas piping and electrical wiring are separated by independent compartments inside the ceiling suspension pipes, accessible through pressure fixed aluminium end covers, facilitating the accessibility and maintenance.



## Design

Its linear design makes it possible to adapt the length to the available space. It permits equipping I.C.U. zones in an individual or shared way.

## Multi-function horizontal unit

This is the main profile of Abitus. It fulfils the following functions:

- It distributes gases, electricity and communication material.
- It contains sockets for electricity, gas, communication, direct lighting, indirect lighting and monitor lighting.
- It supports and guides the trolleys, service heads and medical equipments.

## Equipment

Abitus provides the option to use the front and rear faces of the horizontal profile for electrical elements and gases.

Gas outlets and electrical sockets are adapted to the local standards.



## Trolleys

The suspended unit offers the option to be equipped with mobile trolleys.

- The trolleys rotate 330°.
- The translation movement throughout the entire profile is limited with mobile stops.
- The translation and rotation movement can be controlled with a manually operated mechanical system.

### Wt - Wet Trolley

It is designed as support for the wet elements such as infusion pumps or infusion bags units.

For this purpose, it can be equipped with different accessories such as technical rails, infusion stands, etc.

### Dt - Dry Trolley

Designed to contain elements such as monitors, ventilators, etc.

For this purpose, they are equipped with different accessories such as trays, drawers, technical rails, monitor holder, etc.

## Service heads

It increases the equipment capacity for gas outlets, electrical and communication sockets and are within reach of patient and care personnel.

All three models can integrate trays, drawers, technical rails which can be used as support for infusion pumps, infusion stands, monitors, etc.

- The trolleys rotate 330°.
- Pneumatic or electromagnetic brake system to control translation and rotation movement.

### Hs - Horizontal Service head

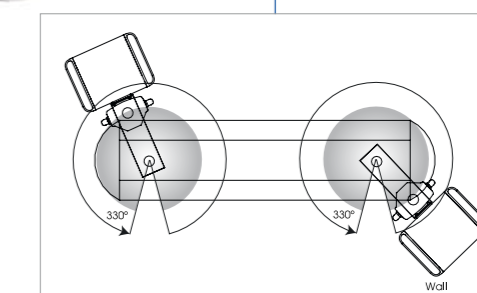
Integrates the functions of the trolleys and service heads in one single equipment unit.

### Vs - Vertical Service head

has a DIN standard built-in double technical rail in its body, for attachment of accessories such as infusion pumps, IV stands, monitor holder arms, etc.

### Va - Service head with arm,

move the sockets and accessories from the Care zone and offers flexibility to the work space around the patient.



**Abitus** is a ceiling suspended system, designed by Tedisel, to provide support in critical areas such as:

- Intensive Care Units. (I.C.U.)
- Neonatology.
- Intermediate Care Units.
- Recovery Rooms for adults.



Abitus in **Critical Areas** offers specific solutions to satisfy requirements such as:

- Easy access to the patient.
- Safety of the personnel and patient.
- Maximum Hygiene.

Aspects highly valued by health care personnel, since they permit quick and efficient assistance.

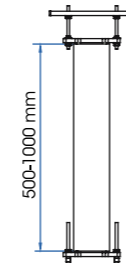
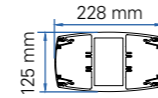
**Some References:**

- Hospital San Juan de Dios, León · Spain
- Hospital Provincial Nuestra Señora de Gracia, Zaragoza · Spain
- Clínica Iván Mañero, Sant Cugat · Barcelona · Spain
- Hospital Gernika, Vitoria - Gazteiz · Spain
- INS Hospital del Trauma, Costa Rica
- NMC Hospital - DIP, UAE
- Bright Point hospital, UAE
- Burjeel Hospital, UAE

**technical data**

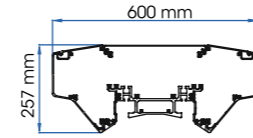
**2 Suspension Pipes**

Length	500 - 1000 mm
Set Net Weight	62 Kg - 85 Kg
Set Max. Load	481 Kg
Dimensions	228 x 125 mm



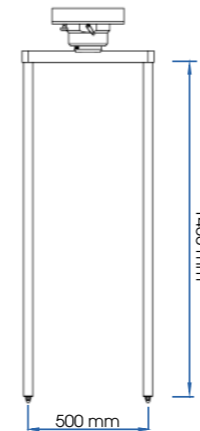
**Suspended Bed Head Unit**

Length	2500 mm
Net Weight	98 Kg
Max. Load	385 Kg
Dimensions	600 x 257 mm



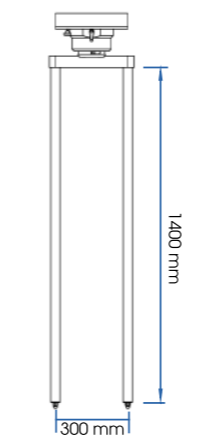
**Dry Trolley**

Dimensions	500 x 1400 mm
Net Weight	20 Kg
Max. Load	150 Kg
Rotation	360°
Brakes	Mechanical
Tubes Diameter	38 mm



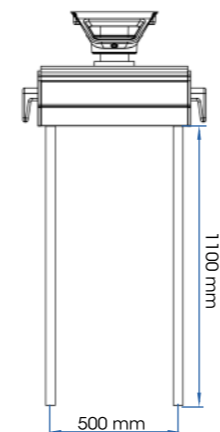
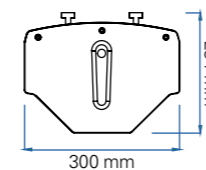
**Wet Trolley**

Dimensions	300 x 1400 mm
Net Weight	17 Kg
Max. Load	150 Kg
Rotation	360°
Brakes	Mechanical
Tubes Diameter	38 or 25 mm



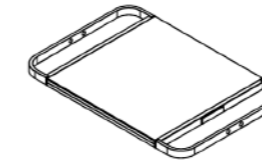
**Horizontal Service Head**

Service head Length	500 mm
Net Weight	56 Kg
Trolley Length	500 x 1100 mm
Net Weight	15 Kg
Max. Load	150 Kg
Rotation	330°
Brakes	Electromagnetic/ Pneumatic
Dimensions Column	300 x 234 mm
Tubes Diameter	38 mm



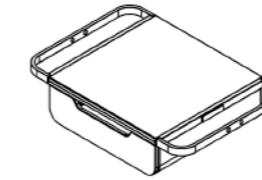
**Shelf for Trolley**

Dimensions	430 x 430 x 25 mm
Dimensions with technical rails	635 x 430 x 25mm
Net weight	5,5 Kg
Net weight with technical rails	6 Kg
Max. Load	50 Kg



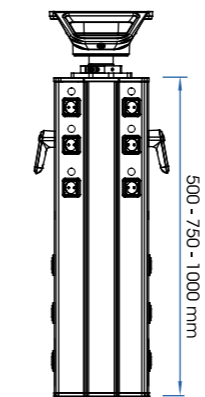
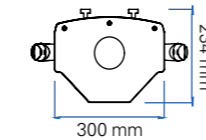
**Shelf with Drawer for Trolley**

Dimensions	430 x 430 x 145 mm
Dimensions with technical rails	635 x 430 x 145 mm
Net weight	13 Kg
Net weight with technical rails	13,5 kg
Max. Load	40 Kg



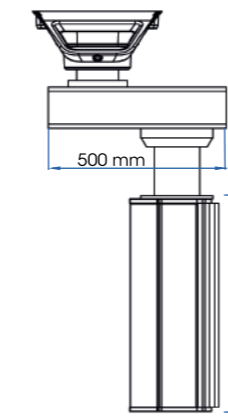
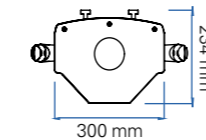
**Vertical Service Head**

Length	500 - 750 - 1000 mm
Net Weight with slider	56 - 60 - 62 Kg
Max. Load	130 Kg
Rotation	330°
Brakes	Electromagnetic/ Pneumatic
Dimensions	300 x 234 mm



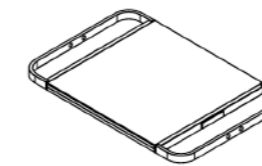
**Service Head with Arm**

Length Arm	500 mm
Length Service head	750 mm
Set Net Weight	84 Kg
Set Max. Load	130 Kg
Rotation	330°
Brakes	Electromagnetic/ Pneumatic
Dimensions Column	300 x 234 mm



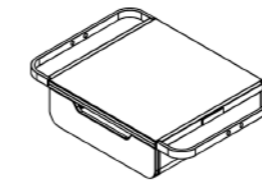
**Shelf for Service Head**

Dimensions	430/630 x 430 x 25 mm
Dimensions with technical rails	635/835 x 430 x 25 mm
Net weight	7,7 Kg
Net weight with technical rails	8,2 Kg
Max. Load	50 Kg



**Shelf with Drawer for Service Head**

Dimensions	430/630 x 430 x 145 mm
Dimensions with technical rails	635/835 x 430 x 145 mm
Net Weight	15 Kg
Net weight with technical rails	15,5 Kg
Max. Load	40 Kg



In **Intensive care areas**, safety and reliability of the equipments are top priority.

**Tedisel Medical** is the leading Spanish Company Manufacturer of Ceiling Suspended Systems for ICU, which guarantees the maximum level of quality and reliability, with approved equipments by the official testing laboratory and the CE Mark of Health Care products notified body.



**1998** - Launch of **TEYDE**. First Suspended ICU System designed by Tedisel.

**2004** - Launch of **ATLAS**. Tedisel designed a compact and functional solution for the ICU zone.

**2009** - Launch of **ABITUS**. In addition to the trolleys available for Atlas and Teyde, the new design integrates movable service heads which have built-in electrical, telecommunication and medical gas installations.



### Electrical System

Rated voltage	110/230 V~
Rated frequency	50-60Hz
Rated current	10A or 16A per circuit. 20A and 25A optional
Max. Number of circuits	Max. 10 circuits max with 4 sockets each

### Lighting System (Led, on request)

Ballast	Ballast: conventional or dimmable
Direct light	Led 1x10W, led 1x20W
Indirect light	Led 1x20W, led 2x20W
Night light	1,2W

### Gas system

Compressed gases	5 bar
Compressed air-nitrogen supply to air motors	10 bar
Gas type	O <sub>2</sub> -Air-N <sub>2</sub> -O-CO <sub>2</sub> -VAC-AGSS-Air 800-N <sub>2</sub> 800

### Materials

6060 / 6063 T5

Structure	Aluminum (6mm thickness)
Trolleys	Aluminum with epoxy painting
Tubes	Stainless steel AISI 304
Shelves	Aluminum / Stainless steel with epoxy painting
Technical rails	Stainless steel AISI 304

### Installation

Minimum lateral side distance from wall **	400 mm
Minimum rear side distance from wall **	700 mm
Minimum rear side distance from wall (for Abitus with "Ha" configuration)	1000 mm
Recommended height from floor	1800 mm

\*\* to allow trolley rotation.

### Transportation and storage\*

Ambient temperature	-10°C to + 60°C
Relative humidity	20% - 80%

\* The following storage conditions apply for up to 15 weeks. After 15 weeks, the ambient conditions apply for operation.

### Ambient conditions

Ambient temperature	+10 °C - +40°C
Relative humidity	Max. 75%

### Classification

Directive 93/42/EEC	CLASS II B
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### EC Conformity

Tedisel complies with the provisions of Directive 93/42/EEC (medical devices), ISO 11197 (medical supply units) and IEC 60601-1 (Medical electrical equipment - Part 1: General requirements for basic safety and essential performance).

### Compatibility with other medical devices

Tedisel products may be equipped with medical devices from other manufacturers. Please follow the instructions provided by the manufacturers of this equipment for proper installation.

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