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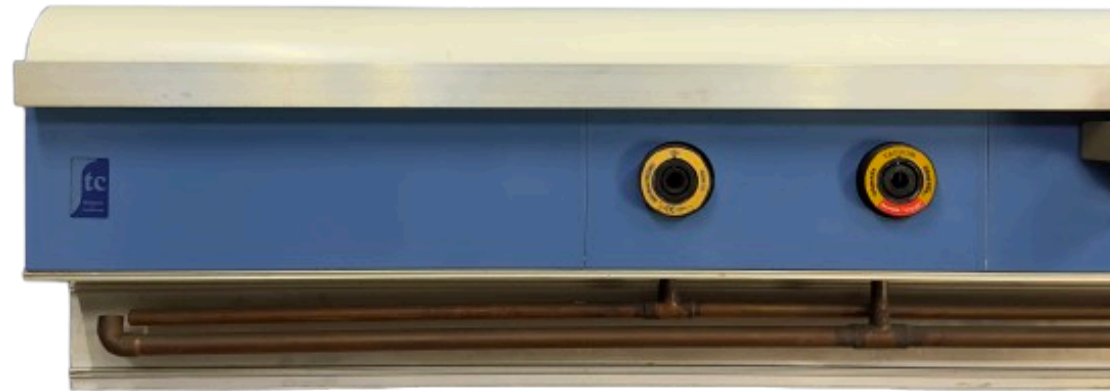
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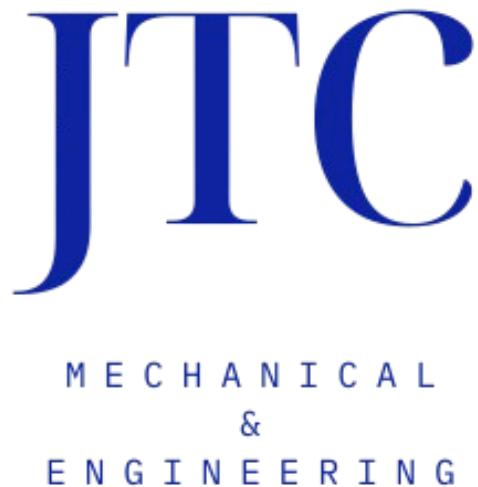
Medical Trunking System

BUILT TO SIMPLIFY. DESIGNED TO PERFORM.

JTC

MECHANICAL & ENGINEERING





About Us

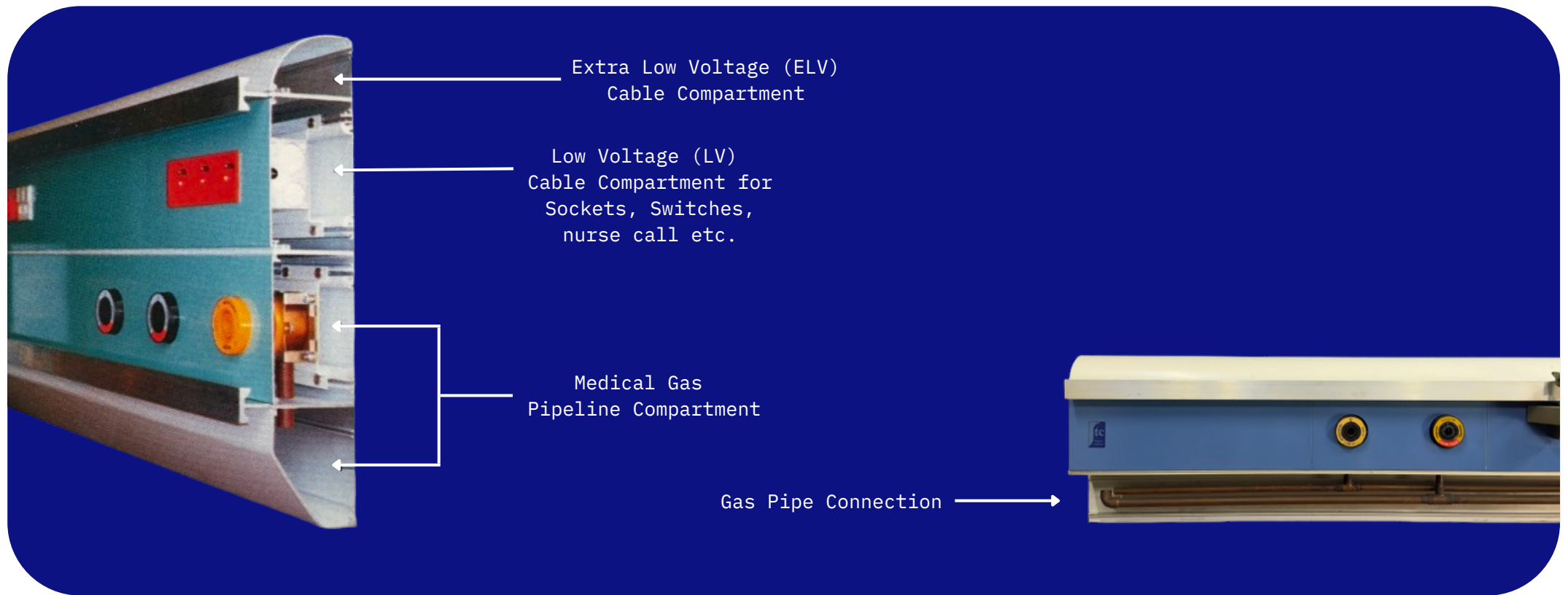
At JTC, we merge precision engineering and innovation to provide impactful solutions. As Malaysia's leading supplier of medical trunking systems, we enhance hospitals' efficiency, safety, and care.

Why JTC?

- **Trusted Leader:** Supplies high-quality solutions to Malaysian and international hospitals.
- **Expertise:** Decades of experience in engineering and healthcare.
- **Real Impact:** Systems improve hospital operations and patient outcomes.
- **Customer-Focused:** Tailored services that exceed expectations.
- **Innovation-Driven:** Continuously advancing for modern industry needs.

Our Vision

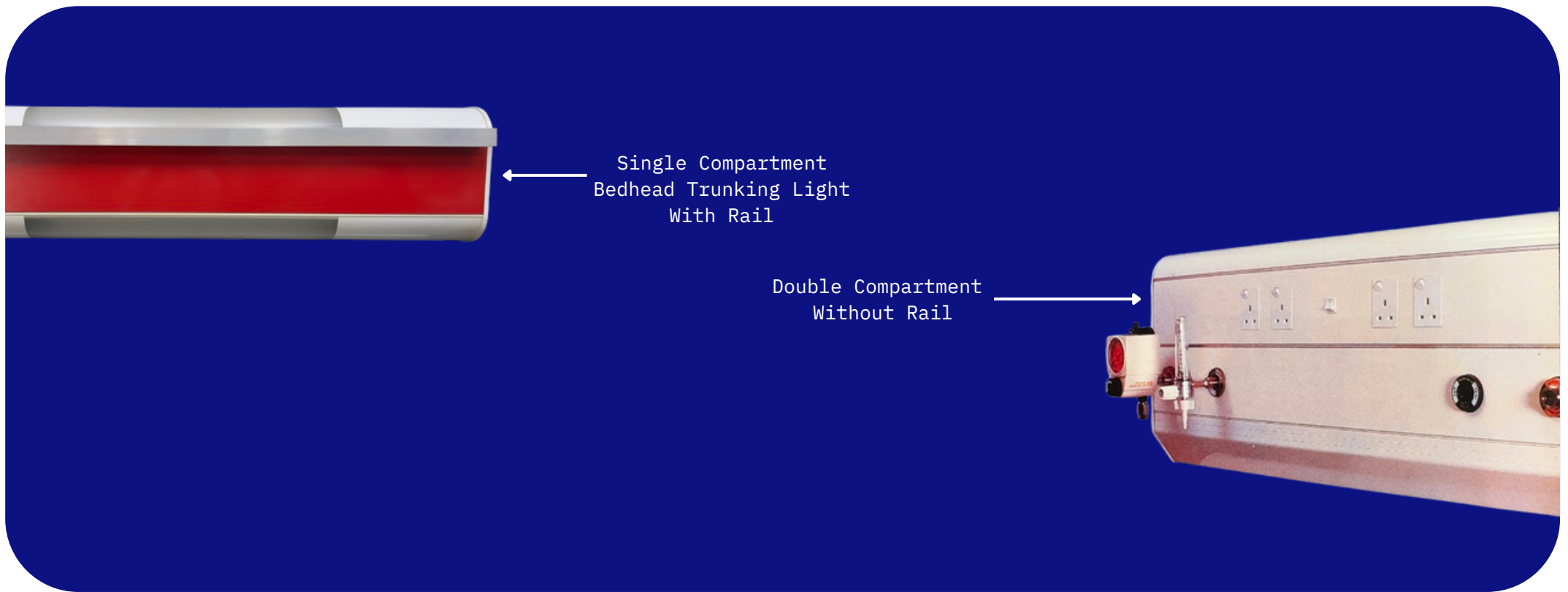
To lead the future of engineering with innovative, reliable solutions that improve lives.



Customizable Design. Tailored for Every Space.

- Modular aluminum extrusion design allows flexible configurations in medical settings.
- Compatible with various electrical standards, including UK, European, and US medical gas terminal units.
- Pre-wired and pre-piped to reduce on-site installation delays.
- Optional medical rail for easy mounting of essential medical accessories.
- Seamless color-matching to blend with hospital interiors.
- Rail-bracket installation system for quick, hassle-free mounting.
- Easy integration of monitoring and data connections for paperless hospitals.

Precision-Engineered Medical Trunking.



Engineered for Healthcare. Designed for Efficiency.

- Certified pre-piped and pre-wired units save time and minimize coordination challenges.
- Spacious internal design ensures ample room for service installation and maintenance.
- Quick-access covers provide easy exposure for medical gas pipeline connections.
- Complete service segregation complies fully with HTM standards for safety and efficiency.
- Sleek, vacuum-formed corners allow trunking to follow architectural curves while maintaining a modern aesthetic.
- Discreet downdrops allow seamless service feeds from above or below, keeping hospital spaces organized.

Precision-Engineered Medical Trunking.

Single Compartment

Features:

- Customizable layouts, sizes, and colors to match your facility.

Applications:

- Hospitals
- Clinics
- Labs



Specifications:

- Modular aluminum design for durability and flexibility.
- Complies with international medical and electrical standards.
- Supports UK, US, and European medical gas terminal units and electrical sockets.
- Smooth, screw-free surfaces facilitate easy cleaning and a seamless appearance.
- Quick installation using a separate rail-bracket system.
- Removable covers allow for easy maintenance and access to pipelines.

Designed for Precision. Built for Healthcare.

Single Compartment With Rail

Features:

- All the benefits of the Single Compartment, plus an integrated medical rail.

Applications:

- Hospitals
- Clinics
- Labs



Specifications:

- Modular aluminum extrusion design.
- Smooth, screw-free surfaces for a sleek appearance.
- Supports UK, US, and European medical gas terminal units and electrical sockets.
- Removable covers for easy maintenance.

Designed for Precision. Built for Healthcare.

Double Compartment

Features:

- Larger compartment space for multiple service integrations.
- Modular design for customized configurations.

Applications:

- Hospitals
- Clinics
- Labs



Specifications:

- All the features of the Single Compartment, with expanded capacity for more gas, electrical, and data services.
- Compliant with international medical and electrical standards.
- Quick installation with a separate rail-bracket system.
- Smooth, screw-free surfaces with customizable colors.

Designed for Precision. Built for Healthcare.

Double Compartment With Rail

Features:

- All the benefits of the Double Compartment, with an added built-in medical rail.



Applications:

- Hospitals
- Clinics
- Labs

Specifications:

- Modular aluminum extrusion design with enhanced functionality.
- Supports UK, US, and European medical gas terminal units and electrical sockets.
- Seamless, screw-free surfaces with a premium finish.
- Removable covers for easy access and maintenance.

Designed for Precision. Built for Healthcare.

Bedhead Trunking Light

Features:

- Combines medical trunking with integrated lighting for a complete bedhead solution.



Applications:

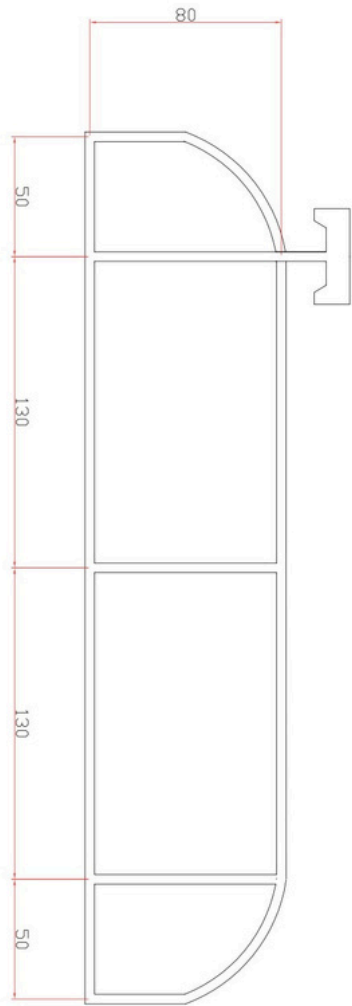
- Hospitals
- Clinics
- Labs

Specifications:

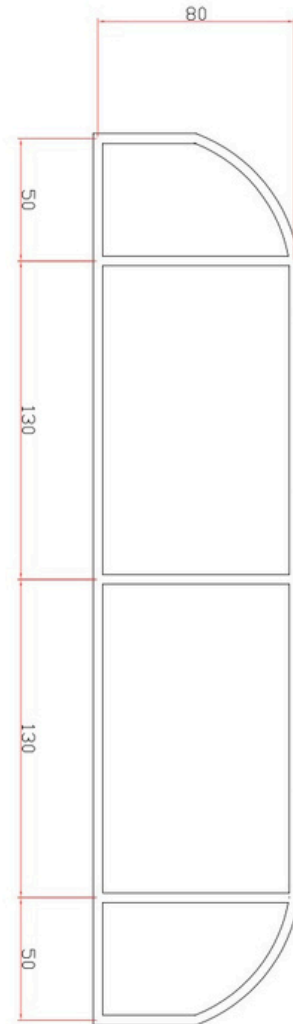
- Includes all features of the Double Compartment with Rail, plus built-in lighting for optimized patient care environments.
- Modular aluminum extrusion design with smooth, screw-free surfaces.
- Compliant with international medical and electrical standards.
- Removable covers for easy maintenance and wiring access.

Designed for Precision. Built for Healthcare.

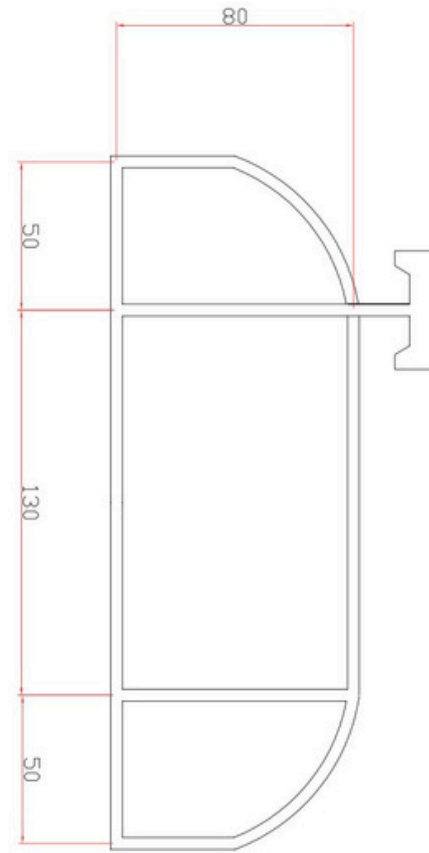
Customization Options



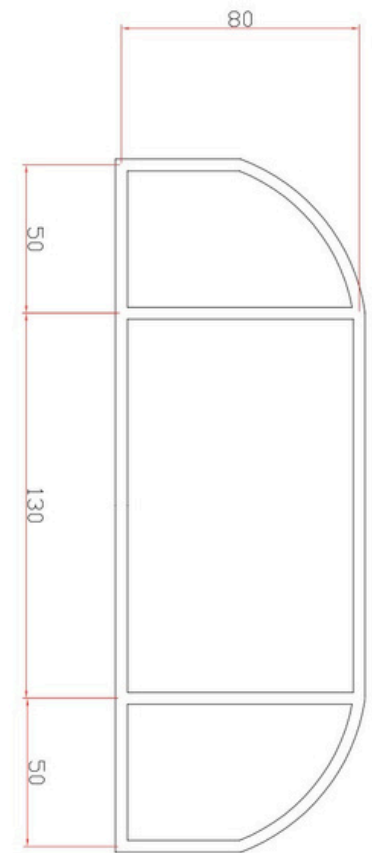
DCR (T)
DOUBLE COMPARTMENT
WITH RAIL (TOP)



DC
DOUBLE COMPARTMENT

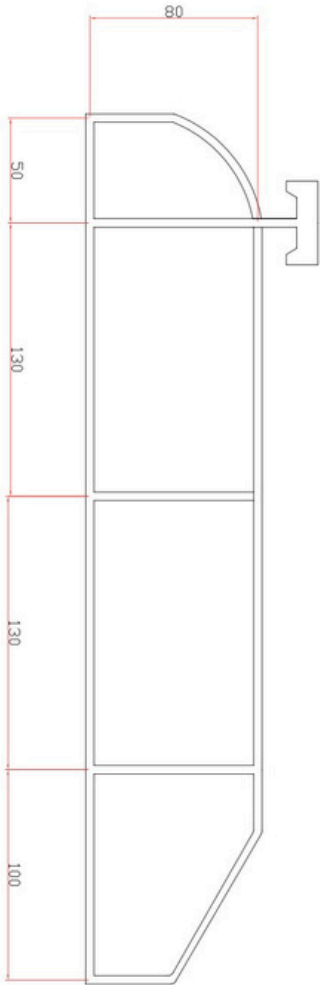


SCR (T)
SINGLE COMPARTMENT
WITH RAIL (TOP)

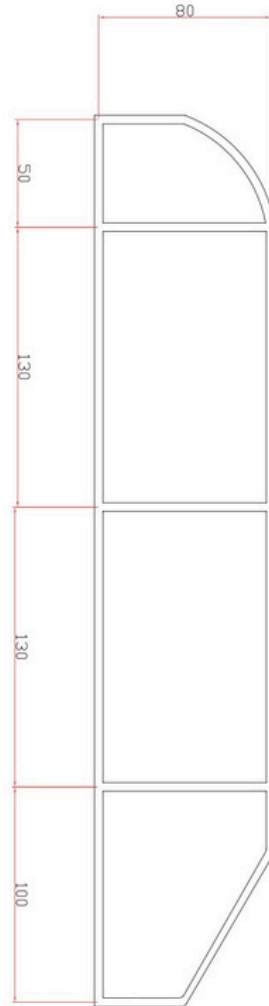


SC
SINGLE COMPARTMENT

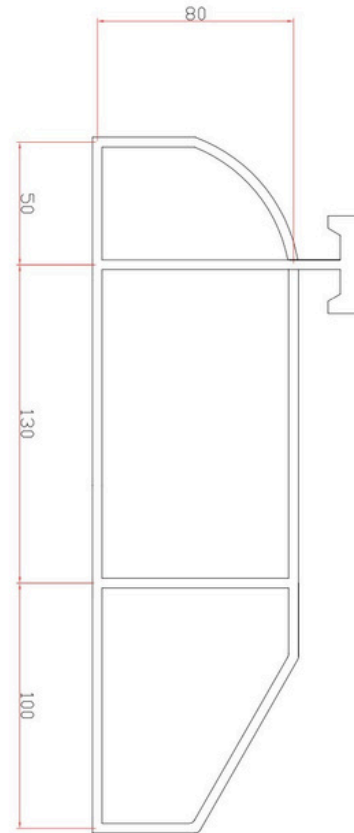
Customization Options



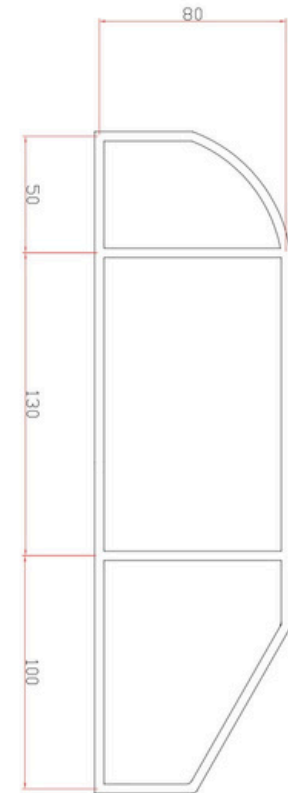
DCR (T)
DOUBLE COMPARTMENT
WITH RAIL (TOP)



DC
DOUBLE COMPARTMENT

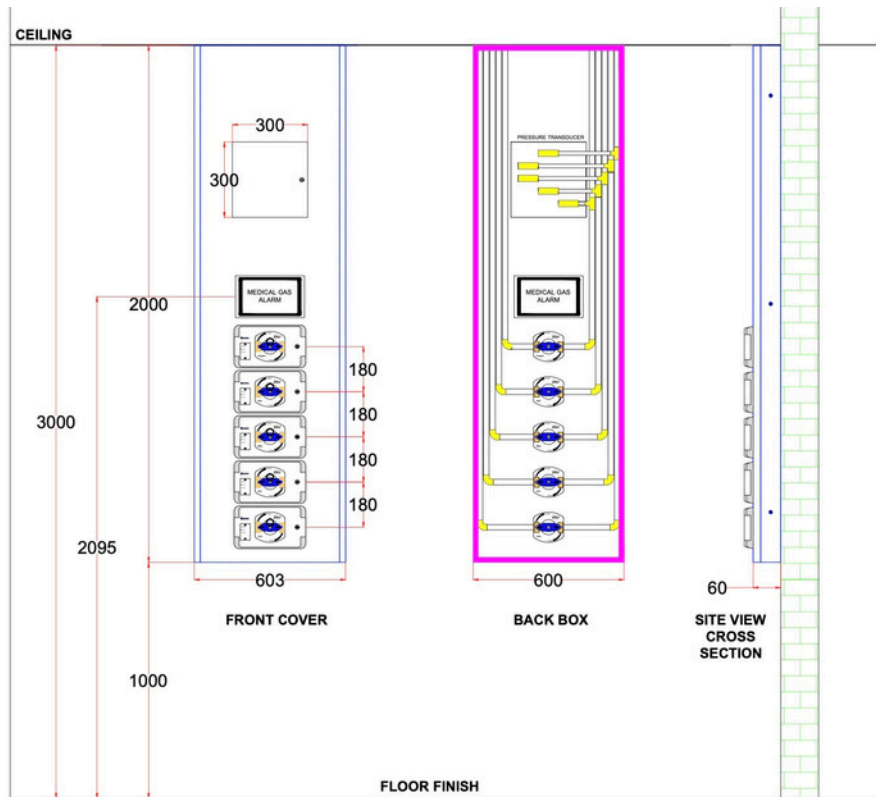


SCR (T)
SINGLE COMPARTMENT
WITH RAIL (TOP)

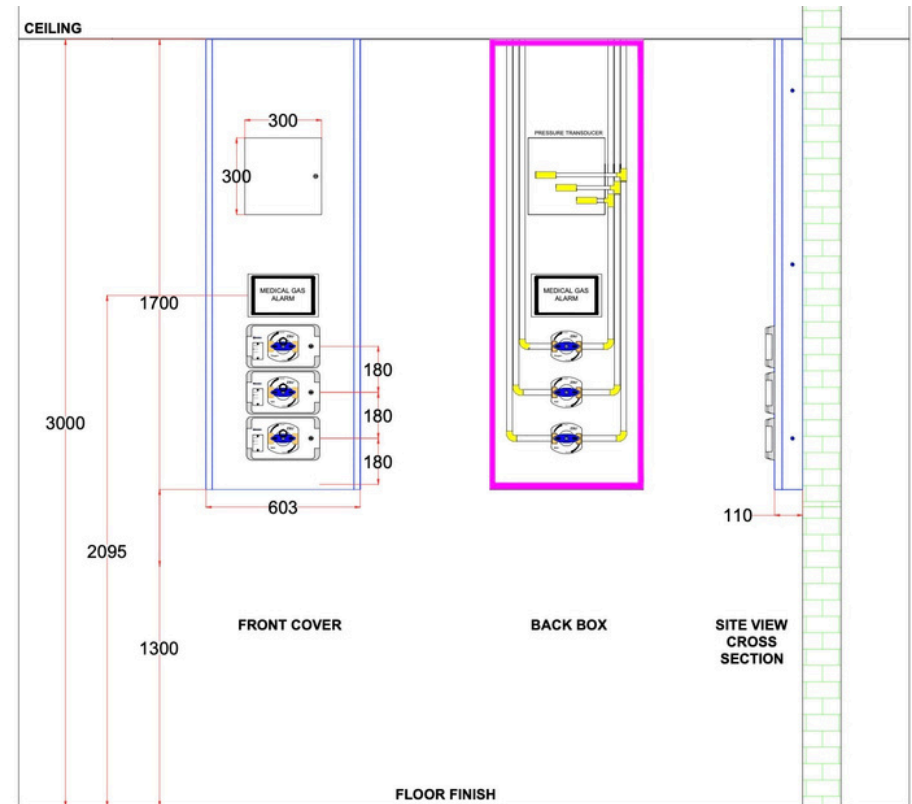


SC
SINGLE COMPARTMENT

AVSU Module



AVSUM 5 GAS



AVSUM 3 GAS

Specification

General

The medical trunking systems are designed to safely and efficiently deliver services in general and special care applications, meeting these criteria:

- Modular aluminum extrusion design.
- Compliance with specifications and standards.
- Capacity to house UK, US, and European medical gas terminals and electrical sockets.
- Smooth, curved surfaces with no visible screws and color options.
- Easy installation with a separate rail-bracket.
- Simple cover removal for maintenance and pipeline connections.
- Optional integral medical rail within the modular design.

Modular Design

The trunking system will be composed of several modular extrusions that can be connected to create a carcass tailored to specific applications. An optional medical rail extrusion can be integrated into the trunking carcass. It is essential to maintain the segregation of services, including extra low voltage (less than 48 volts), low voltage (between 48 and 600 volts), and medical gases. Each modular front plate can be easily removed using a special tool, providing convenient access to the services within.

Standards

The trunking system shall be manufactured in accordance with forthcoming international and European Standards

Specification

Appearance

The trunking systems will feature smoothly curved tops and covers, with a color option. Aluminium extrusions will have a polyester powder coating on all external surfaces, while the medical rail profile will have an anodized finish.

Components

The trunking systems must accommodate UK Gem 10, US Diamond III, or other medical gas terminal units. They should support various electrical sockets (UK, US, European) and include provisions for nurse call, data, or monitoring sockets at manufacture. Options for supply include pre-piped, pre-wired, fully tested, or carcass form.

Installations

The trunking will be mounted on the wall using a rail-bracket for easy horizontal and vertical alignment, accommodating any wall irregularities. It will then be secured to both the bracket and the wall.

Maintenance

Individual fascia plates shall be removed by the use of a normal tool to enable any maintenance to be carried out without disturbance to other services

Simple. Fast. Reliable.

Ordering your medical trunking system is easy with our streamlined process from consultation to delivery.

1

Consultation

Expert Guidance, Tailored to Your Needs:

- Share your requirements.
- Explore customization options.
- Get professional advice on installation and compliance.

2

Quotation

Transparent Pricing, No Surprises:

- Receive a detailed quote with all costs upfront.
- Adjust specifications as needed.

3

Production & Quality Check

Precision-made, Guaranteed Quality.

- Your order is manufactured to the highest standards.
- Each unit undergoes strict quality control before delivery.

4

Delivery & Installation

On Time. Ready to Perform.

- Expect on-time delivery, with a clear timeline provided upfront.
- Our team is available for guidance to ensure a smooth setup.

Revolutionize Your Healthcare Space.

JTC's medical trunking systems are built for efficiency, safety, and innovation—helping hospitals and clinics run smarter. Now it's your turn to upgrade.

Let's Make It Happen!

The Future of Healthcare Starts Here.

[Book a Meeting](#)

Contact us today and bring next-level efficiency to your facility.

Thank You for Choosing JTC.

At JTC Mechanical & Engineering, we are committed to innovation, precision, and reliability in every medical trunking solution we deliver. Thank you for considering us as your trusted partner in healthcare infrastructure.

We look forward to helping you create safer, smarter, and more efficient medical environments.

Let's Stay Connected.

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