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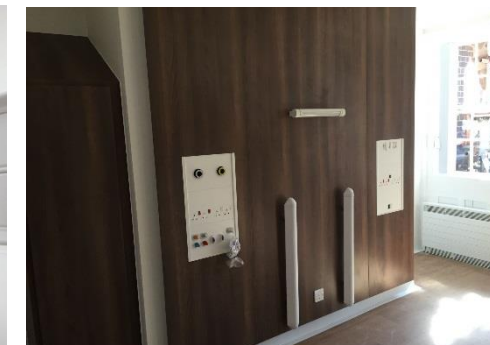
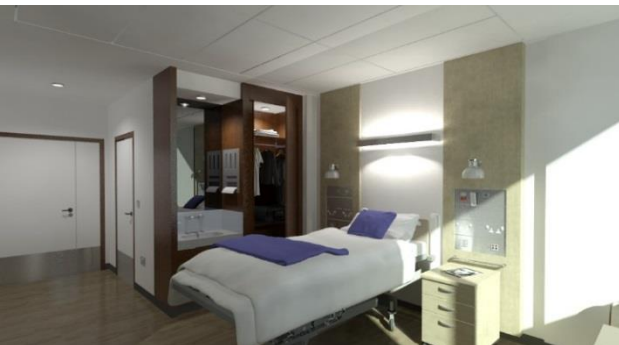
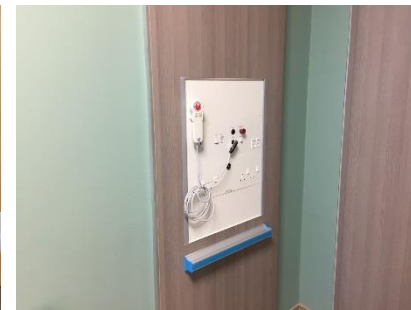
# **FS MEDICOL<sup>TM</sup>** *free-standing vertical bedhead services containment*



**CABL  FLOW<sup>TM</sup>**  
H E A L T H C A R E

applications

CABLEFLOW™





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Innovation is at the heart of an evolutionary healthcare infrastructure. Challenging boundaries whilst being respectful of clinical skills are two valued philosophies which ensure knowledge led developments in bedroom architecture.

At CABLEFLOW we recognise the need to be different, to ensure product development offers practical and sustainable progression whilst always ensuring full compliance with Patient Safety Standards and improving the clinical environment.

We are proud of our British healthcare heritage which offers universal application around the world. Having been conferred a prestigious Queens Award for Innovation our client's take confidence in that unique recognition as a market leader.



As Britain's leading medical supply unit manufacturer our range of solutions meet a vast array of design concepts throughout all clinical environments whether primary or tertiary care areas, and every speciality in-between.

In 2005 our **integra** product range became the first and only bedhead trunking system to achieve Royal recognition with the conferment of a **Queens Award for Enterprise: Innovation** from Her Majesty Queen Elizabeth II.

Improving the clinical architecture, the patient experience and ensuring flexibility and adaptation in later use are hallmarks of our innovative integrated lighting solutions. At home in an acute hospital setting or more domestic environments such as Hospice's and the like our systems can be tailored to your requirements.







The **FS MEDICOL** free standing patient care vertical services column has evolved from a market requirement for a stylish adaptable vertical trunking system for open plan areas. The concepts and desires of architects, consulting engineers and contractors have been taken into account in the development of this product as have the peculiarities of installation and maintenance in healthcare buildings which lack solid walls to accommodate bedhead services.

Where the building structure does not permit the use of a horizontal bedhead unit, i.e. where windows obstruct, the **FS MEDICOL** offers a vertical solution that can be simply fed from the ceiling. As with our horizontal trunking systems it accommodates all patient care services for mains power, nurse call, entertainment, medical gases and lighting by providing up to five individually screened compartments for the respective services, with more available if necessary.

**FS MEDICOL** can be fully customised and is available finished in a range of more than 360 standard colours and can also accommodate IV posts, vital signs monitor supports, Patient Power TV services equipment and a plethora of ancillary equipment mountings.

## STANDARD SIZES

An **FS MEDICOL**, can be customised and manufactured to meet specific requirements to suit numerous applications in both new and existing healthcare buildings. The standard overall size of 3000mm high x 504mm wide x 206mm deep reflects our desire to ensure that the design remains unobtrusive when installed, whilst offering the capacity to meet the needs of one or two bed positions.

Where an extended range of services is required a broader **FS MEDICOL** with a width of 742mm is available.

## CO-ORDINATED DÉCOR

Central fascia panels and side pods can be varied in colour in conjunction with the room décor. All surfaces of the **FS MEDICOL** are smooth and easy to clean, with no fixing screws evident on any of the visible facias thus ensuring a high quality appearance and HTM 08-03 compliance.

We have selected a mix of hard wearing components able to withstand the daily rigours of a healthcare environment whilst maintaining a fashionable appearance throughout time.

## SERVICES PROVISION

Services outlets are mounted directly on to accessory plates which are powder coated either to match the side pods or in a contrasting colour. Alternatively the side pods are available with an anodised aluminium finish.

Where appropriate accessory plates are labelled with the respective legends and/or text to ensure that the user can clearly identify the function of the equipment, all generally in accordance with HTM 08-03.

Plate fixings are concealed by a bespoke light grey or white polymer infill strip, thus complying with the requirements of HTM 08-03 whilst allowing easy maintenance of the system.

Where a significant volume of services outlets are needed these can be fitted to both the front and the rear of **FS MEDICOL** to offer complete flexibility.

## MAINS POWER

Electrical socket outlets from the UK, continental Europe, the US and other geographical regions can be accommodated, including switched or unswitched versions for standard, non-standard of Medical IT supplied circuits. Where called for these can be colour co-ordinated subject to the respective manufacturer's product range.

## POTENTIAL EQUALISATION

The **Cableflow POAG-PES** potential equalisation socket (equipotential earth bonding) is installed on all bedheads to meet the requirement of BS7671 Section 710 and in an appropriate number.

## MEDICAL GAS TERMINAL OUTLETS

As with other patient care services provision, **FS MEDICOL** is able to accommodate any type of medical gas terminal outlets, each hospital or installer having a preference for a particular type. Terminal outlets are located onto a terminal (type) specific mounting grid, which allows vertical and horizontal adjustment for precise alignment.

Gas pipes are fully segregated from cabled services accessible by their own lid section meaning gas terminal outlets can be positioned anywhere in the module and pipeline maintained in total safety.

The number of gas specific outlets which can be fitted varies depending on the exact product configuration selected. Any variation of terminal outlets for a comprehensive range of medicinal gases as defined HTM 02-01 can be accommodated in our larger profiles, fed from varying AVSU circuits.







## NURSE CALL SYSTEMS

Each hospital will vary in its individual requirement from the next, none more so than the nurse call system.

**FS MEDICOL** has been designed specifically to accommodate all commercially available nurse call products. As an independent trunking manufacturer with no allegiance to any specific nurse call supplier, we leave the choice of nurse call manufacturer up to you, the user and specifier.

Often when a client states a particular preference for bedhead services, this invariably refers to the nurse call system to ensure compatibility with existing arrangements. Our bedhead containment systems are universally used with all major nurse call systems and do not affect the choice of nurse call equipment which can still remain as the hospital norm.

## LIGHTING

The **FS MEDICOL** will accommodate a variable range of adjustable arm reading/observation or examination lighting via one or more lamps. Each is fitted to the front or rear facia of the column subject to location by an industry recognised 'SP' type bedlight bracket. Where Brandon lamps are used this may require their specific adaptor plate to be supplied by the installer.

We can supply from a range of industry standard lamps from a variety of manufacturers or alternatively they can easily be site fitted by the installing contractor. All fixings are hidden from view, ensuring an easy to clean and aesthetically pleasing finish.

## PATIENT POWER/MONITOR INTEGRATION

Equipment control units provided as part of a 'PatientPower' provision can be attached to the front of the **FS MEDICOL** to facilitate a co-ordinated solution to entertainment or vital signs provision. The actual arrangement will depend upon the equipment provider selected. Mounting channel for vital signs monitors can be easily integrated.

## LEGENDS AND LABELLING

The specific nature of individual accessory lids in hospital applications, requires that legends and usage instructions are clearly evident to the user. We adopt a policy of indelibly marking all text and legends on our systems thus ensuring a greater life expectancy for the component and making it easy for the user to identify the relevant service.



## IV SUPPORT POSTS

The inclusion of a 25mm diameter IV post or 38mm accessory arm support to the front fascia allows infusion bottle holders, IVAC pumps, perfusion equipment, collection jars and the like to be located and moved as required.

These are available in two standard lengths of either 1000mm or 1200mm although almost any length is available as a non-standard.

## ORIO™ CABLE AND PIPELINE MANAGEMENT

**SOLO** can also integrate the award winning\* ORIO cable and tube management disc, where called for by the project specification.

*ORIO is a registered trademark of Inora AS with patents pending.*

## CLINICAL MONITOR INTEGRATION

An ancillary patient/clinical/vital signs monitor mounting channel allows the fitment and connection of an LCD flat screen monitor and adjustable arm with tilt capability, along with associated power and data inter-connectivity.

These channels are available in a variety of lengths with concealed structural support allowing fitment during manufacture or where called for, retrofitted after installation.



## INNOVATION

Innovation is what drives Cableflow and is reflected in a Queen's Award for Enterprise: Innovation in 2005.

Going that bit further, searching and probing for solutions that make health care more efficient and safer for patients and clinicians alike. Our ability to offer something innovative and which is flexible, adaptable and user friendly are key hallmarks of the continued Cableflow success story, and all **designed and manufactured in Great Britain.**

## FLEXIBILITY

The **FS MEDICOL** concept is modular with an array of equipment and a multitude of 'add on' accessories available from a design which can be adapted to suit specific project needs.

Unlimited configuration arrangements ensure that any application can be accommodated and provides a 'future-proof' solution ensuring that the design of today will meet the needs of tomorrow.

**FS MEDICOL** offers a visually appealing enclosure fully compliant with ISO 11197 and HTM 08-03. Screw-less facias provide a neat and functional appearance whilst softened lines ensure this sleek medical supply unit integrates seamlessly into any clinical environment.



## SPECIFYING PEACE OF MIND

Specifying a CABLEFLOW medical trunking system throughout your hospital will provide an easy to use and aesthetically pleasing solution while maintaining a uniform look across all departments.

As an Award winning manufacturer, innovation is at the core of our philosophy and product solutions, based upon a proven track record over 25+ years in the UK healthcare industry.

## EMC CERTIFICATION AND COMPLIANCE

Protecting electronic components in the patent environment from Electro-Magnetic Interference (EMI) and Radio Frequency Interference (RFI) is of paramount importance. , **FS MEDICOL** has been designed specifically to ensure that each chamber, and in turn each individual compartment, controls both the emission and reception of any such Interference.

By specifying , **FS MEDICOL** you can be satisfied that the EMC elements of ISO 11197 have been complied with, and have been independently tested for by BSI with all of the commercially available nurse call system in operation.

## OFF SITE PRE-FABRICATION

A growing demand for pre-fabricated, pre-gassed and pre-wired medical supply units has brought about evolutionary change to healthcare construction. Benefitting from reduced costs of in-house fabrication versus site costs, all **FS MEDICOL** products are available pre-wired for mains power and pre-gassed. The efficiencies of factory assembled pre-wired, pre-piped modules, with all outlets pre-configured, aids the simplicity of the product. Prefabricated modules can be fitted as a second or third fix item and later in the conventional construction programme.

Supported by test certification to BS 7671 & HTM 02-01 (BS EN 793) each unit is tested and certified in accordance with the prescribed manufacturing and installation standards.

## INSTALLATION

The system can be installed by any competent tradesman. However, we have recognised the desire of some clients to procure a total supply and installation package from a specialist manufacturer and our experienced Contracts Department specialises in the installation of our trunking systems.

Further information about this service can be obtained by contacting our Sales Team who will be pleased to provide you with a costing on your specific application.





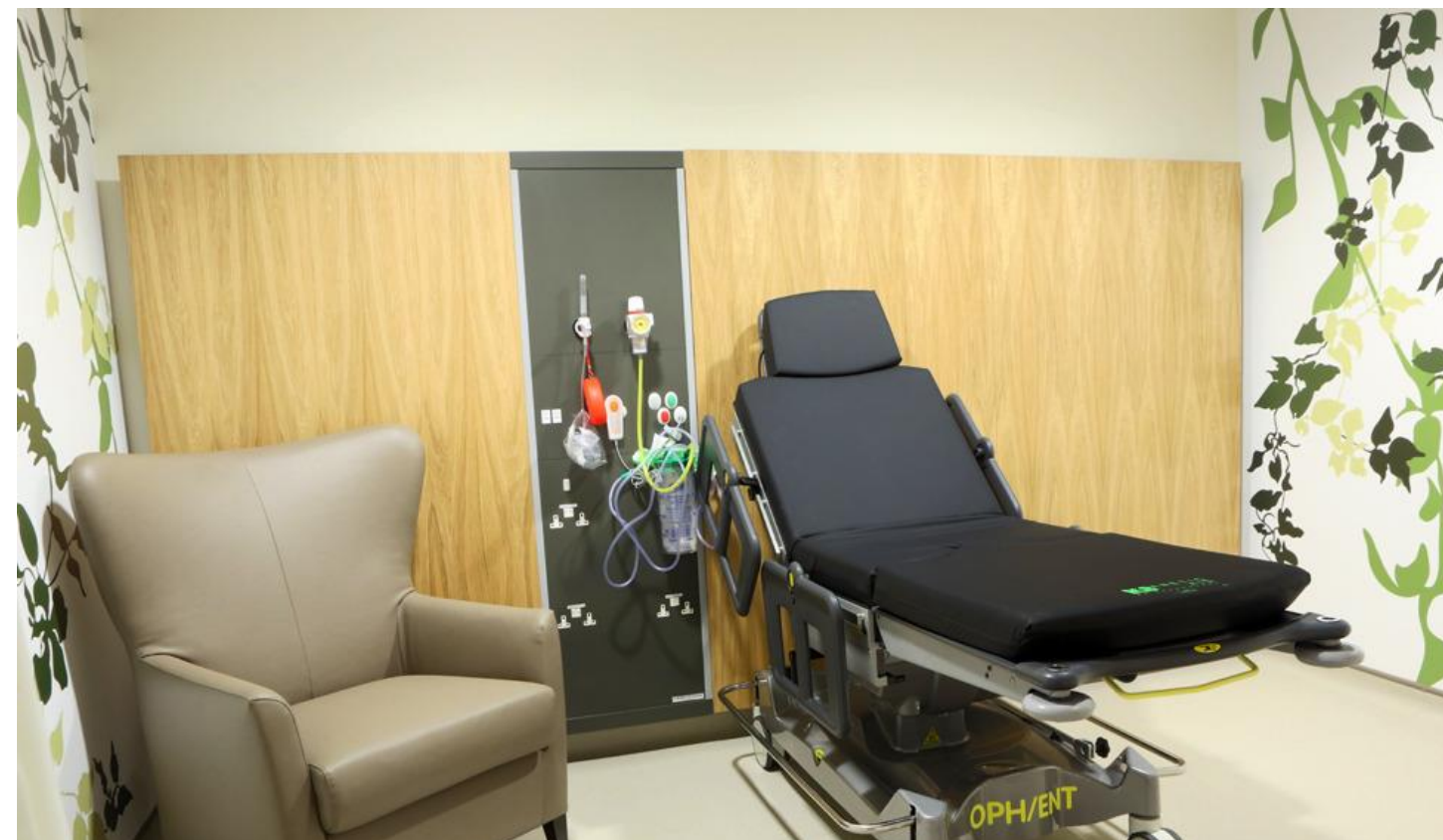


# Standards compliance

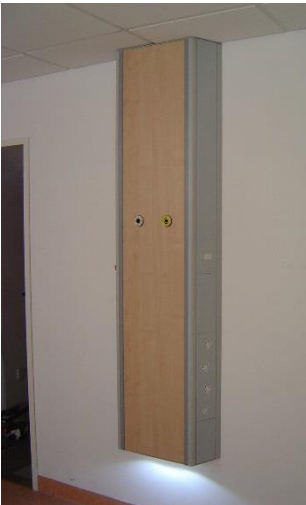
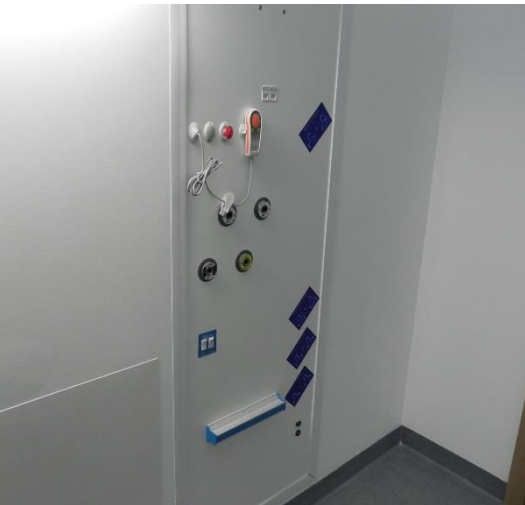
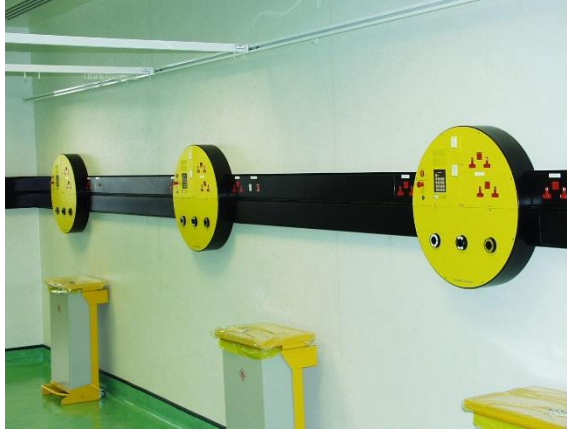
Document Reference	Document Description
BS 476-10: 2009	Fire tests on building materials and structures. Guide to the principles, selection, role and application of fire testing and their outputs
BS 1363-1: 1995	13 A plugs, socket-outlets, adaptors and connection units. Specification for rewirable and non-rewirable 13 A fused plugs
BS 1363-2: 1995	13 A plugs, socket-outlets, adaptors and connection units. Specification for 13 A switched and unswitched socket-outlets
BS 1363- 4: 1995	13 A plugs, socket-outlets, adaptors and connection units. Specification for 13 A fused connection units switched and unswitched
BS EN 60669-1:1999+A2:2008	Switches for household and similar fixed-electrical installations. General requirements
BS EN 60598-1:2015	Luminaires. General requirements and tests
BS 5266-1:2011	Emergency lighting. Code of practice for the emergency escape lighting of premises
BS 5733:2010+A1:2014	General requirements for electrical accessories. Specification
BS EN 12206-1:2004	Paints and varnishes. Coating of aluminium and aluminium alloys for architectural purposes. Coatings prepared from coating powder
BS 6701: 2010	Telecommunications equipment and telecommunications cabling. Specification for installation, operation and maintenance
BS 7671:2008+A3:2015	Requirements for Electrical Installations. IET Wiring Regulations
BS 8300:2009+A1:2010	Design of buildings and their approaches to meet the needs of disabled people. Code of practice
BS EN ISO 9170-1:2008	Terminal units for medical gas pipeline systems. Terminal units for use with compressed medical gases and vacuum (formally BS EN ISO 9170-1)
BS EN ISO 9170-2:2008	Terminal units for medical gas pipeline systems. Terminal units for anaesthetic gas scavenging systems (formally BS EN 737 -4)
BS EN ISO 7599:2010	Anodizing of aluminium and its alloys. General specifications for anodic oxidation coatings on aluminium (formally BS EN 12373:2001)
BS EN 12464-1: 2002	Light and lighting. Lighting of work places. Indoor work places
BS EN 13032-2: 2004	Light and lighting. Measurement and presentation of photometric data of lamps and luminaires. Presentation of data for indoor and outdoor work places
BS EN 61000-6-3:2007+A1:2011	Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments (formally BS EN 50081-1)
BS EN 61000-6-4:2007+A1:2011	Electromagnetic compatibility (EMC). Generic standards. Emission standard for industrial environments ( formally BS EN 50081-2 )
BS EN 61000-6-1:2007	Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light-industrial environments ( formally BS EN 50082-1)
BS EN 50083-2:2012	Cable networks for television signals, sound signals and interactive services. Electromagnetic compatibility for equipment
BS EN 50085-1:2005+A1:2013	Cable trunking systems and cable ducting systems for electrical installations. General requirements
BS EN 50085-2: 2006	Cable trunking systems and cable ducting systems for electrical installations. Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings

Document Reference	Document Description
BS EN 60439-5: 2006	Low-voltage switchgear and controlgear assemblies. Particular requirements for assemblies for power distribution in public networks
BS EN 60529:1992+A2:2013	Degrees of protection provided by enclosures (IP code)
BS EN 60598-2-22:1998+A2:2008	Luminaires. Particular requirements. Luminaires for emergency lighting
BS EN 60601-1-6:2010+A1:2015	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Usability
BS EN 60601-1-2: 2007	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Electromagnetic compatibility. Requirements and tests
BS EN ISO 11197:2009	Medical supply units
BS EN ISO 7396-1:2007+A3:2013	Medical gas pipeline systems. Pipeline systems for compressed medical gases and vacuum
ISO 7396-2: 2007	Medical gas pipeline systems. Anaesthetic gas scavenging disposal systems
HBN 00-03	Designing generic clinical and clinical support spaces
HBN 00-04	Circulation and communication Spaces
HBN 00-09	Infection control in the built environment
HBN 04-01	Adult in-patient facilities: planning and design
HBN 04-02	Critical care units
HBN 4, Supplement 1	Isolation facilities for infectious patients in acute settings
HBN 6	Facilities for Diagnostic imaging and interventional radiology:
HBN 07-01	Satellite Dialysis Unit
HBN 07-02	Main Renal Unit
HBN 09-02	Maternity Care Facilities
HBN 09-03	Neonatal Units
HBN 57: 2003	Facilities for critical care
HTM 02-01	Medical gas pipeline systems
HTM 06-01	Electrical services: supply and distribution
HTM 06-02	Electrical safety guidance for low voltage systems
HTM 08-03	Management of bedhead services in the health sector
HTM 17	Health Building Engineering Installations
HTM 2014	Abatement of electrical interference
HTM 2020	Electrical safety code for low voltage systems
CIBSE LG 2: 2008	Lighting guide - Hospitals and health care buildings
CIBSE LG 3: 2001	Lighting guide - The visual environment for Display Screen Use
CIE	European Lighting Guide
IEC 60364-7-710: 2002	Electrical installations of buildings. Requirements for special installations or medical locations (UK BS7671 Section 7-710)
NHS SPEC C49: 1997	Nurse Call Systems. Revision 3
93/42/EEC	Medical Devices Directive













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For full product data sheets go to our website or contact us directly

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