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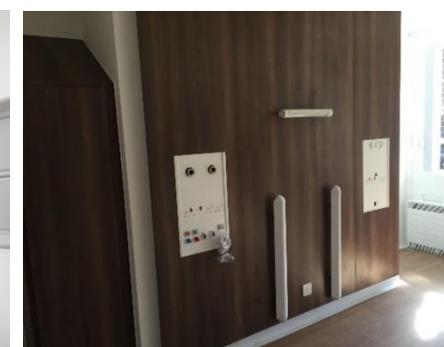
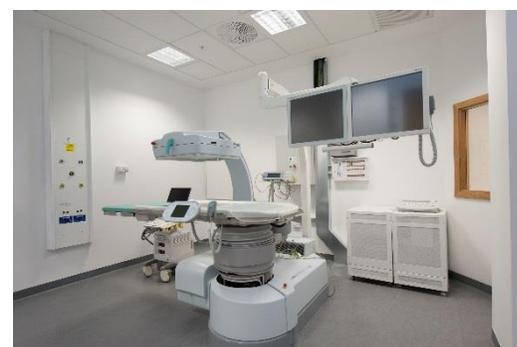
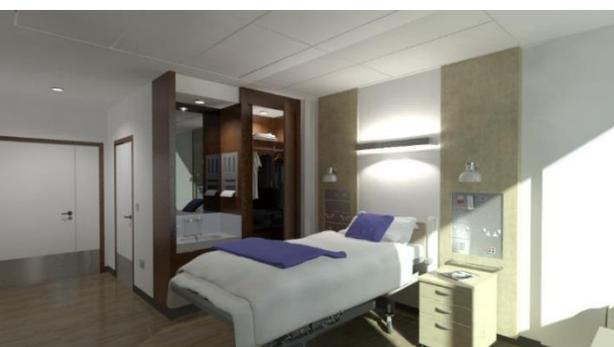
FS MEDICOL *free-standing vertical bedhead services containment*



CABL  **FLOW**™
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 for clinicians and patients alike.

We are proud of our British healthcare heritage which offers universal application around the world. Having been conferred both a prestigious **Queens Award for Enterprise: Innovation** and a **Kings Award for Enterprise: Innovation** users of our products and systems take confidence in this unique recognition of Cableflow as a market leader.

Recognised as Britain's foremost medical supply unit manufacturer our range of products whether standard or bespoke offer solutions to satisfy many in-patient design concepts across all clinical environments whether primary or tertiary care areas, and every speciality in-between.

In 2005 our **integra** product became the first and only linear bedhead trunking system to achieve Royal recognition with a **Queens Award for Enterprise: Innovation** from Her Majesty Queen Elizabeth II. This achievement was further endorsed in 2023 with a **Kings Award for Enterprise: Innovation** for our (POAG) equipotential earth bonding socket.

Improving the clinical architecture, patient and clinician experience whilst ensuring flexibility and adaptation in later use are hallmarks of our innovative bedhead solutions. Whether 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 **BROAD 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 or 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 'Patient Entertainment' 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 bespoke solution.

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.

SHELVING & ANCILLARY COMPONENTS

We offer a range of attachments for IV posts and arms including IV bag hooks, shelves, medical rails, monitor supports and key board trays. Please contact us for further information.



INNOVATION

Innovation is what drives Cableflow and is reflected in a Queen's Award for Enterprise: Innovation in 2005 and a further Kings Award for Enterprise also for innovation in 2023. This Royal recognition of our innovative approach to product design underpins our integrity across the medical sector

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 patient 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 BS EN ISO 11197:2019 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 bought 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.





Document Reference	Document Description	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 EN ISO 9170-2:2008	Terminal units for medical gas pipeline systems. Terminal units for anaesthetic gas scavenging systems
BS 1363-1:2016 + A1:2018	13 A plugs, socket-outlets, adaptors and connection units. Specification for rewirable and non-rewirable 13 A fused plugs	BS EN ISO 7599:2010	Anodizing of aluminium and its alloys. General specifications for anodic oxidation coatings on aluminium
BS 1363-2:2016 + A1: 2018	13 A plugs, socket-outlets, adaptors and connection units. Specification for 13 A switched and unswitched socket-outlets	BS EN ISO 11197:2019	Medical supply units
BS 1363-4:2016 + A1 2018	13 A plugs, socket-outlets, adaptors and connection units. Specification for 13 A fused connection units switched and unswitched	ISO 19054:2006 + A1:2016	Rail Systems for supporting medical equipment
BS 5266-1:2011	Emergency lighting. Code of practice for the emergency escape lighting of premises	HBN 00-03	Designing generic clinical and clinical support spaces
BS 5733:2010+A1:2014	General requirements for electrical accessories. Specification	HBN 00-04	Circulation and communication Spaces
BS 6701: 2016	Telecommunications equipment and telecommunications cabling. Specification for installation, operation and maintenance	HBN 00-09	Infection control in the built environment
BS 6972: 1988	Specification for general requirements for luminaire supporting couplers for domestic, light industrial and commercial use	HBN 04-01	Adult in-patient facilities: planning and design
BS 7671:2018 + A2 2022	Requirements for Electrical Installations 18th Edition IET Wiring Regulations (incorporating Section 710 (Special Locations Medical Locations))	HBN 04-02	Critical care units
BS 8300-1:2018	Design of buildings and their approaches to meet the needs of disabled people. Code of practice	HBN 4, Supplement 1	Isolation facilities for infectious patients in acute settings
BS EN 12206-1:2021	Paints and varnishes. Coating of aluminium and aluminium alloys for architectural purposes. Coatings prepared from coating powder	HBN 6	Facilities for Diagnostic imaging and interventional radiology:
BS EN 12464-1: 2021	Light and lighting. Lighting of work places. Indoor work places	HBN 07-01	Satellite Dialysis Unit
BS EN 13032-2: 2017	Light and lighting. Measurement and presentation of photometric data of lamps and luminaires. Presentation of data for indoor and outdoor work places	HBN 07-02	Main Renal Unit
BS EN 50083-2:2012	Cable networks for television signals, sound signals and interactive services. Electromagnetic compatibility for equipment	HBN 09-02	Maternity Care Facilities
BS EN 50085-1:2005+A1:2013	Cable trunking systems and cable ducting systems for electrical installations. General requirements	HBN 09-03	Neonatal Units
BS EN 50085-2-1:2006	Cable trunking systems and cable ducting systems for electrical installations. Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings	HBN 57: 2003	Facilities for critical care
BS EN 60439-5: 2006	Low-voltage switchgear and control gear assemblies. Particular requirements for assemblies for power distribution in public networks	HTM 00	Building Engineering in the Health Sector
BS EN 60529:1992+A2:2013	Degrees of protection provided by enclosures (IP code)	HTM 02-01	Medical gas pipeline systems
BS EN 60598-1:2021	Luminaires. General requirements and tests	HTM 06-01	Electrical services: supply and distribution
BS EN 60598-2-22:2014 +A1: 2020	Luminaires. Particular requirements. Luminaires for emergency lighting	HTM 06-02	Electrical safety guidance for low voltage systems
BS EN 60601-1-6:2010+A1:2013 +A2:2020	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Usability	HTM 08-03	Management of bedhead services in the health sector
BS EN 60601-1-2: 2015 + A1:2021	Medical electrical equipment. General requirements for basic safety and essential performance. Collateral standard. Electromagnetic compatibility. Requirements and tests	HTM 17	Health Building Engineering Installations
BS EN 60669-1:2018	Switches for household and similar fixed-electrical installations. General requirements	HTM 2014	Abatement of electrical interference
BS EN 61000-6-3:2021	Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light-industrial environments (formally BS EN 50081-1)	HTM 2020	Electrical safety code for low voltage systems
BS EN 61000-6-4:2019	Electromagnetic compatibility (EMC). Generic standards. Emission standard for industrial environments	CIBSE LG 02: 2019	Lighting guide - Hospitals and health care buildings
BS EN 61000-6-1:2019	Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light-industrial environments (formally BS EN 50082-1)	CIBSE LG 3: 2001	Lighting guide - The visual environment for Display Screen Use
BS EN ISO 7396-1:2016 +A1:2019	Medical gas pipeline systems. Pipeline systems for compressed medical gases and vacuum	CIE	European Lighting Guide
BS EN ISO 7396-2: 2007	Medical gas pipeline systems. Anaesthetic gas scavenging disposal systems	NHS SPEC C49: 1997	Nurse Call Systems. Revision 3
BS EN ISO 9170-1:2017	Terminal units for medical gas pipeline systems. Terminal units for use with compressed medical gases and vacuum	EU MDR 2107/745	EU Medical Device Regulation
		UK MDR 2002	UK Medical Device Regulations (SI 2002 (no. 618, as amended))







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