

Clinical Pendants

Enhancing Safety at the Bedside



starkstrom
a Progilty company
Powering Healthcare

Starkstrom's Clinical Pendants

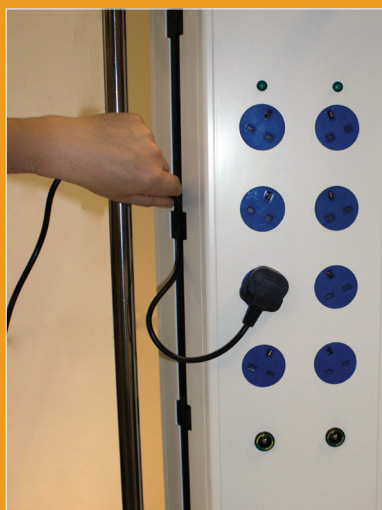
Combining function and aesthetics, Starkstrom's range of ceiling mounted clinical pendants provide convenient access to multiple gas, electrical and data outlets, for use in critical care, operating, anaesthetic and ancillary rooms. The pendants are designed to help with infection prevention practices, improve workflow by providing a safe and organised environment for clinical staff, and be easy to maintain and service when required.



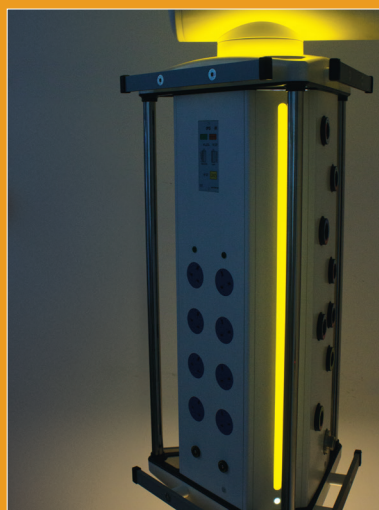
Infection Prevention & Control

Starkstrom's latest clinical pendants have been designed with some unique features to support hygiene and infection control practices in hospitals and help reduce the incidence of healthcare associated infections.

- **Elliptical Pendant Arms** – reduce drag ensuring circulation of clean air and help reduce the build-up of dust and contaminants, promoting hygiene and infection prevention.
- **Smooth Aluminium Pendant Fascias** – easy to wipe clean due to their unique snap-fit feature removing the need for screw fixings that can trap dust.
- **Flush Electrical Sockets and Fittings** (e.g. RJ45 data outlets, AV plates) – fixed from the rear of the pendant fascia removing the need for screw fixings that can trap dust..
- **Nurse Call Points** – laser cut and populated to promote infection prevention.
- **Cable Management** – reduces amount of exposed cables minimising dust build up and cleaning time.



Cable Management



Ambient Lighting



Down Lighting

Improving Workflow

Starkstrom's Clinical Pendants help organise the space around a hospital bed and operating table to improve workflow, performance and safety.

- **Medical Gas Services** – medical gas outlets enable easy and ergonomic access to gas services (e.g. oxygen); AGSS outlet to remove anaesthetic gases from the environment; VAC outlet to provide vacuum when used with suction control devices.
- **Electrical Services** – help reorganise the clinical workspace: includes electrical sockets, data points, TV aerial points, audio/visual sockets, nurse call systems.
- **Ease of Control** – pendant movement is controlled by a remote switch or Central Membrane Panel making it easier to carry loads of up to 400kg (e.g. surgical light heads, anaesthetic machines).
- **Cable Management** – cables can be hidden away to help prevent patients and clinical staff from trips and falls.
- **LED Lighting** – provides gentle ambient light (side and up-lighting) and illumination for reading notes (down lighting).
- **Medical Poles** – have three integral 25mm diameter IV poles and up to six Medi-Rails for mounting clinical devices and accessories, keeping the area around the patient bed tidy.

Dedicated Product Support

Starkstrom is unrivalled in providing product support throughout the lifetime of the clinical pendant. From designing the pendant specification for a particular clinical environment, installation, product and service training to bespoke service and maintenance contracts post-installation.

- **Dedicated Sales and Clinical Support** – provide product information and training when required, throughout the lifetime of the clinical pendant.
- **Project Managers** – a national team will use its expertise and experience to install the pendants at a mutually agreed time with the hospital.
- **Service & Maintenance Team** – a large national team of service engineers are available to support a hospital's service and maintenance needs. Starkstrom offers a range of service and maintenance contracts that can be tailored to suit a hospital's particular product needs and help ensure clinical procedures are not delayed.



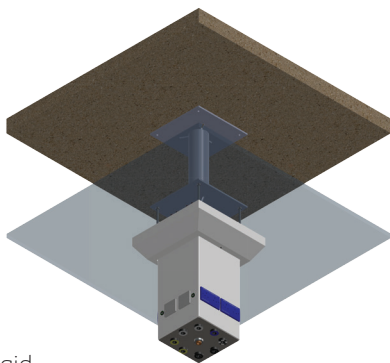
Bespoke Solutions

Starkstrom Clinical Pendants are designed and manufactured in the UK to meet specific customer needs and supplied so that they can be used 'straight from the box.'

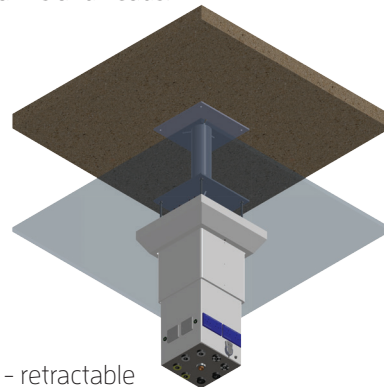
- **Pendant Designs** – multiple design options available including wall and ceiling mounted beams that can be configured to meet clinical needs and carry loads of up to 400kg (e.g. surgical light heads, anaesthetic machines).
- **Pendant Arm Lengths** – varied lengths available ranging from 600mm to 2850mm (dependant on single or articulated combination).
- **Pendant Accessories** – wide choice of accessories available to support clinical procedures such as fixed and adjustable shelves, drawer units, suction jar holders and Ambu bag holders.
- **Medical Gas Services** – supports up to 16 medical gas outlets which are all individually fed by a dedicated hose to allow for maximum air flow and pressure.
- **Electrical Services** – supports 4 to 32 electrical sockets on two of six fascia, equipotential bonding sockets, AV connection ports, TV aerial points, USB ports, light switches, membrane function controls, nurse call systems.

Comprehensive Pendant Range

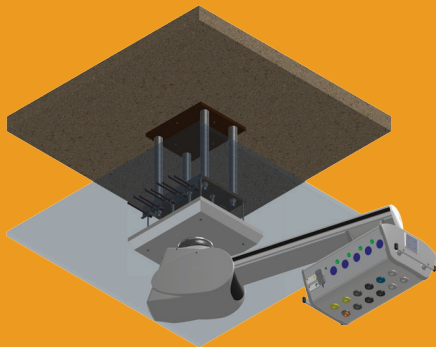
Starkstrom offer a wide choice of clinical pendant models that can be manufactured to meet the specific needs of procedures taking place in a particular clinical environment. The following illustrations are examples of configurations that can be designed. Models can vary with type and number of pendant arms and heads.



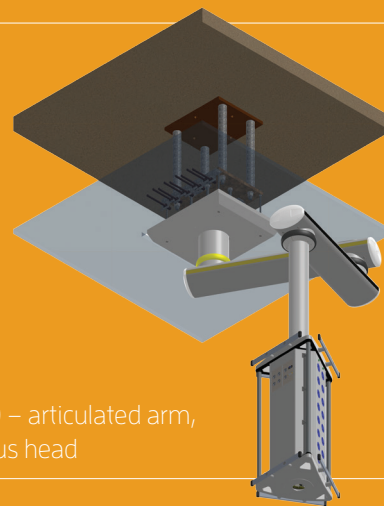
S100 – rigid



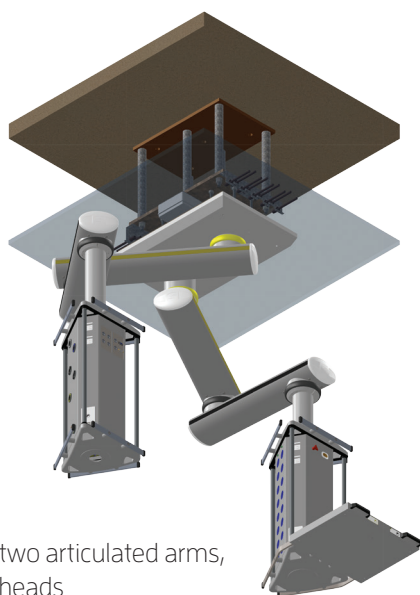
S200 – retractable



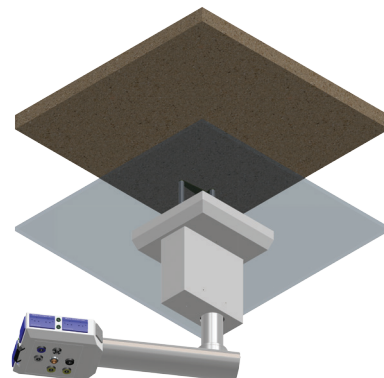
S300 – single lifting arm,
Hammer head



S400 – articulated arm,
Proteus head



S500 – two articulated arms,
Proteus heads



S700 – extruded arm for UCV canopies

Technical Specification

- | | |
|--|---|
| 1. Pendant Arm Lengths: 600 - 1600mm | 5. Proteus Head Length: 410 - 950mm. |
| 2. Pendant Lifting Arm Lengths: 750, 1000, 1250mm (for S300) | 6. Number of Fascia on Proteus Head: 3 large, 3 small |
| 3. Weight Capacity, Standard Arm: 102 - 220kg | 7. Electrical Sockets: 4 - 32 on two large fascias |
| 4. Weight Capacity, Heavy Duty Arm: 225 - 345kg | 8. Number of Gas Outlets: up to 16 |

Note: The technical data applies to the S300, S400 and S500 models.

Standards and Guidelines

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|--|---|
| 1. Requirements for Special Installations - Medical Locations (HD 60364-7-710) | 7. Bedhead Services (HTM 08-03) |
| 2. Requirements for Electrical Installations (BS 7671) | 8. General Design Guidance for Healthcare Buildings (HBN 00-01) |
| 3. Electrical Services Supply and Distribution (HTM 06-01) | 9. Planning for Resilient Healthcare Estate (HBN 00-07) |
| 4. IET Guidance Note 7 - Special Locations (Section 9) | 10. Infection Control in the Built Environment (HBN 00-09) |
| 5. Medical Supply Units (BS EN ISO 11197) | 11. Facilities for Surgical Procedures (HBN 26 Volume I) |
| 6. Medical Gases (HTM 02-01) | 12. Cardiac Care, Adult In-Patient Facilities, CCU, Neonatal Units, Day Surgery Facilities, A&E (HBN References) ¹ |

¹Please refer to Starkstrom's Technical Guide for detail of HBN References

S-equipTM Turnkey Solution

The S-equipTM Turnkey Solution is for critical areas in hospitals to improve patient outcomes and workflow efficiencies. By partnering with Starkstrom, you will be supported with a wide range of experts who will design, build, equip, commission and service care area facilities such as Hybrid ORs to meet the needs of stakeholders. To find out more about the S-equipTM Turnkey Solution, please contact us.



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