

AIRport

Equipment Management System



Making space work for you

STERIS®





STERIS PRESENTS AIRport

A NEW SOLUTION FOR ARRANGING THE LAYOUT OF YOUR WORK STATION

Keep the right tool in the right place, while freeing up work space to its maximum. As medical procedures get more complex, this imperative becomes essential in the hospital environment.

With its historical involvement with operating suites, STERIS is taking a fresh look at ceiling supply units.

The result?

AIRport, a different design, which allows you to create your own service system, perfectly suited to your needs, and which can be adapted over time.



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Wide cable-run diameter: 120 mm

A UNIQUE MODULAR DESIGN

FOR EVERY PROBLEM, a solution

Because your needs differ depending on the application, our product line is extensive. The structural elements come in different sizes and have different lifting capacities. Choose from four types of arm (distribution arm, light carrier arm, medium carrier arm or heavy carrier arm) and set up your installation according to your needs.

The arms are complemented by a generous range of accessories, which transform the ceiling supply unit into a specialist assistant: surgery, anaesthesia, intensive care, minimally invasive surgery, etc. Shelves and drawers, monitor mountings and keyboard stands, lights, infusion holder, rails, handles. This wide selection allows you to create the ideal, economically appropriate configuration for each situation.

When it comes to the distribution of fluids, safety is crucial. To provide you with every guarantee, we have selected the best suppliers on your behalf:

- **GREGGERSEN/AIR LIQUIDE:** gas outlets (air, oxygen, NO₂, CO₂, SEGA, vacuum, etc)
- **LEGRAND:** electrical outlets (standard outlets, low voltage outlets, equipotential outlets, etc)

DESIGN AND QUALITY: finishes that bear the STERIS signature

Elegant and discrete, the AIRport range's design integrates perfectly into the medical environment. Its soft, neutral colours naturally blend into the hospital environment, and the quality of its finishes (completely encased shapes, with no visible screws, round, smooth surfaces and integration of cables, etc) facilitates cleaning and decontamination procedures.

Special attention has been paid to the details, with aesthetic gas and electrical outlets, retractable handles, rounded drawers, etc. It is a design that perfectly matches the demands of the surgical environment.

AN ADAPTABLE SYSTEM

The structural components in the AIRport range are particularly adaptable. Whatever your initial configuration, you will always be able to change it. Add or remove distribution modules, connectors, shelves, computer mountings, etc. Anything is possible thanks to its particularly clever design:

- The wide cable-run diameter (120 mm) means you have space left for running through extra cables and conduits later on.
- Outlets can be mounted directly onto the column. For the simplest needs, it is a perfectly effective solution... and particularly economical! To increase outlet capacity on distribution columns, just add side modules.

This means you can make any subsequent modifications without altering the basic installation. If, for example, you want to add a cable, it is pointless to re-wire the existing cable-run. This work has therefore been drastically simplified. Finally, the integrated rails on either side of the distribution column mean you can add or re-position your accessories at leisure.

Add, remove, change... with AIRport, you are never hampered by your existing installation. It is you who decide, not the system!

ERGONOMICS: where technology knows how to blend in

Ever pragmatic, our engineers designed AIRport paying particular care to its ergonomics. Comfort is not an option! This is why all our arms are fitted with a mechanical friction brake, which can be adjusted to your requirements, as standard. This means that the equipment loaded does not drift away. The fixed or retractable handles offer a safe and comfortable grip, and with the optional electro-pneumatic locking pin, you can operate even the heaviest equipment with ease and precision. Lastly, AIRport's modular design means that the outlets for each piece of equipment can be positioned as close as possible and with the best orientation (side or front). It is even possible to adapt the gas connector spacing to directly attach a rotameter fitted with a nebuliser.

THE AIRPORT RANGE PHILOSOPHY IS: MORE SERVICES, FEWER RESTRICTIONS.



STANDARD CONFIGURATIONS

FINDING THE IDEAL SOLUTION

Needs differ considerably, depending on the application: anaesthesia, surgery, minimally invasive surgery, intensive care, etc. AIRport offers solutions for every scenario with its standard configurations.

Designed to be a modular, adaptable system, AIRport helps you as you expand your activities: adding and removing components is always very easy, limiting work to an absolute minimum. Whatever the situation, you have all the necessary functionalities, within a minimum of space.... And at a reasonable price!

ANAESTHESIA

Available in four versions, the distribution arm is the anaesthetist's preferred solution. Its generous cable-run diameter (120 mm) means any anaesthesia respirator can be connected: gas hoses, electric cables, etc.

With its wide reach (1200 to 2400 mm depending on the version), it is easy to use in both small rooms and large.

It is operated precisely and effortlessly, thanks to its gas spring, which offers vertical travel of 550 mm.

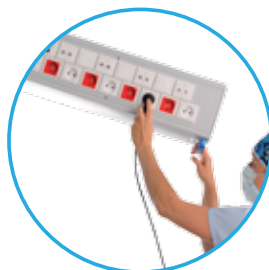
With its elegant tones, fitted with immaculately aesthetic outlets, standing discreetly in the raised position, the distribution arm blends perfectly into the operating theatre.



Anaesthesia respirator connection:



Gas hose connection



Electric cable connection



Distribution arm

- Maximum reach: 2400 mm
- Cable-run diameter: 120 mm



Motorised column:

the ideal support solution for anaesthesia equipment that frees up floor space. Movement of the arm and anaesthesia equipment is effortless and straightforward. The equipment height adjustment is accurate thanks to the remotely controlled motorisation.

SURGERIES

Surgery

With a maximum load of 384 kg, the light carrier arm has been designed to comfortably accommodate all the functionalities required for surgery.

Its reach extends up to 2400mm, which means the equipment can be positioned ideally in relation to the surgical field.

It is easily operated by means of the ergonomic handles.

A specific stand is set aside for electro-surgical units. It comprises a support shelf for the electro-surgical unit and a drawer unit for storing accessories (pedals, electro-surgical unit holder, etc).

The computer interfaces naturally find their own places thanks to the monitor mountings and keyboard stand, fitted with a clever, reversible right-handed/left-handed mouse platform.

Lastly, side rails accommodate all the additional accessories: suction bottles, vacuum regulator, etc.

Light carrier arm

- Maximum load: 384 kg
- Maximum reach: 2400 mm
- Cable-run diameter: 120 mm

Electrosurgical unit storage:



Electrosurgical unit shelf



Drawer unit for storing electro-surgical unit accessories (pedals, electro-surgical unit holder, etc)

Dedicated rails for additional accessories:



- Suction bottles
- Vacuum regulator ...

Computer stands:



Monitor mountings



Keyboard stand



Mouse platform

Handles for operating the arm:



Motorised arm:

Perfectly polyvalent, the AIRPORT motorised arm knows how to be essential in the operating theatre. With its long reach it adapts as easily to traditional surgery as it does to minimally invasive surgery. The remotely controlled motorisation adjusts the height of your equipment accurately and allows the surgeon to have a workstation adapted to his/her morphology.



Minimally invasive surgery

AIRport provides an effective and compact solution for the specific needs of minimally invasive surgery. The endoscopy equipments (monitor, light source, camera, printer, etc) are easily managed to the light carrier arm.

Low voltage outlets, for the endoscopy signals, are attached together with the electrical outlets on the distribution module.



By combining AIRport with Harmony LED ambient lighting, STERIS offers you an ergonomic work station.

Endoscopy equipment supports:



Monitor



Printer



Light source and camera



Dedicated low-voltage outlets for endoscopy signals



INTENSIVE CARE

Infusion equipment:



Syringe pump holder



Syringe pump electrical connection



Infusion bag holder

Handle for operating the arm:

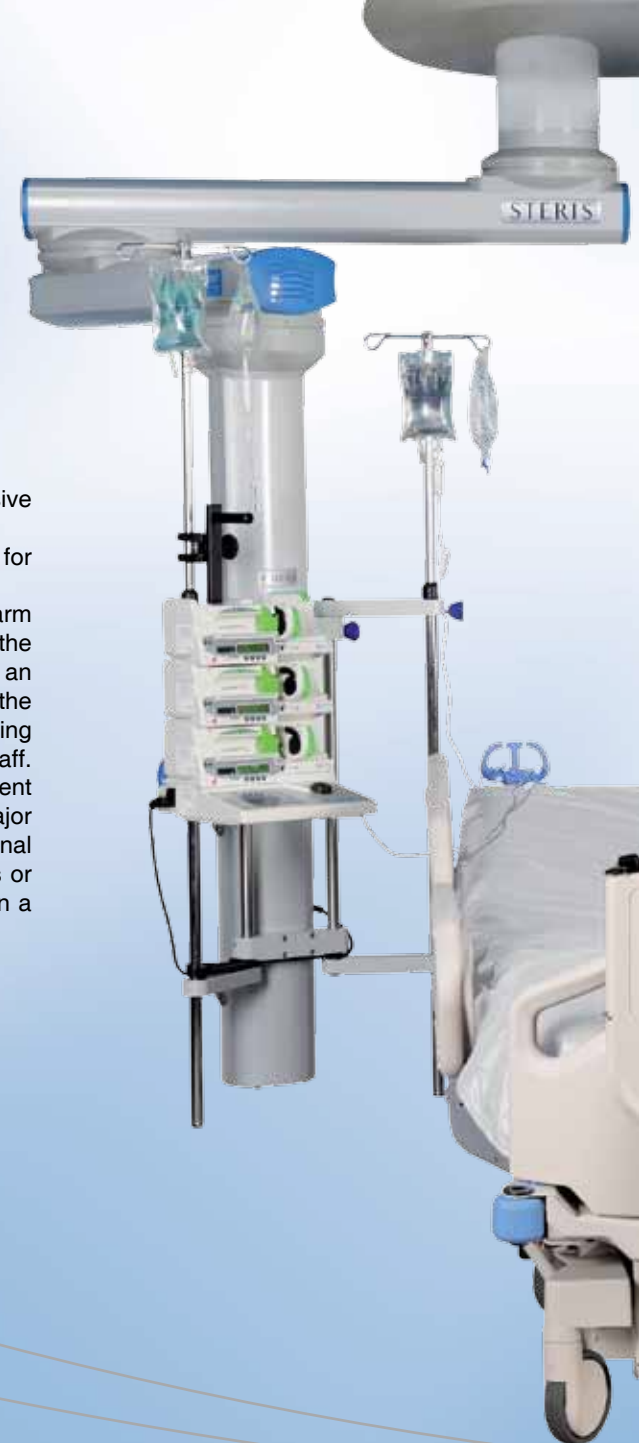


Light carrier arm:

- Maximum load: 384 kg
- Maximum reach: 2400 mm
- Cable-run diameter: 120 mm

The ideal configuration for intensive care units comprises two arms. The first is a carrier arm designated for infusions.

The second is a medium carrier arm designated for ventilation and the work station. A wide shelf fitted with an examination lamp accommodates the resuscitation ventilator while providing a work space for the nursing staff. A support dedicated to the patient data monitor is suitable for all major brands (Philips, GE, etc). Additional accessories, such as suction bottles or catheter stands, are easily placed on a multi-purpose circular rail.





Patient data supports:



Monitor mountings



Resuscitation ventilator

Work station supports:



Work surface



Examination lamp

Dedicated rails for additional accessories:



- Catheter stands
- Suction bottles
- Vacuum regulator
- Bin



Monitor mounting for Philips monitor:



Medium carrier arm

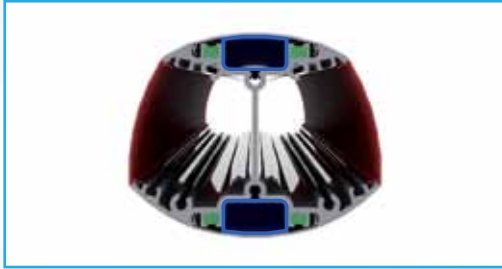
- Maximum load: 522 kg
- Maximum reach: 2400 mm
- Cable-run diameter: 120 mm

TECHNICAL FEATURES

CARRIER ARMS

	Beam length		Action Radius Max.	Height adjustment	Internal diameter	Conduit Max.	Brakes (for the entire carrier arm)		Stop (for each axis)		Load capacity	Mechanical constraint		
	Beam 1	Beam 2					Mechanical	Pneumatic	Qty	Rotation Max.		Force	Torque	
DISTRIBUTION ARM														
BD 1200	1200 mm	-	1200 mm	550 mm	120 mm	16	1	(Option)	1 + 1 (option)	340°	-	730 N	131 N.m	
BD 0612	600 mm	1200 mm	1800 mm	550 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	-	1090 N	549 N.m	
BD 0912	900 mm	1200 mm	2100 mm	550 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	-	1150 N	783 N.m	
BD 1212	1200 mm	1200 mm	2400 mm	550 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	-	1120 N	1034 N.m	
ROTATIVE COLUMN														
CR 0000	-	-	-	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	1090 Kg	11070 N	3814 N.m	
LIGHT CARRIER ARM														
BL 0600	600 mm	-	600 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	384 Kg	4510 N	3814 N.m	
BL 0900	900 mm	-	900 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	284 Kg	3560 N	3814 N.m	
BL 1200	1200 mm	-	1200 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	221 Kg	2990 N	3814 N.m	
BL 0606	600 mm	600 mm	1200 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	211 Kg	3140 N	3814 N.m	
BL 0906	900 mm	600 mm	1500 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	165 Kg	2740 N	3814 N.m	
BL 0909	900 mm	900 mm	1800 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	135 Kg	2490 N	3814 N.m	
BL 1206	1200 mm	600 mm	1800 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	132 Kg	2450 N	3814 N.m	
BL 1209	1200 mm	900 mm	2100 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	108 Kg	2280 N	3814 N.m	
BL 1212	1200 mm	1200 mm	2400 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	90 Kg	2140 N	3814 N.m	
MEDIUM CARRIER ARM														
BM 0600	600 mm	-	600 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	522 Kg	5930 N	5133 N.m	
BM 0900	900 mm	-	900 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	387 Kg	4660 N	5133 N.m	
BM 1200	1200 mm	-	1200 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	303 Kg	3890 N	5133 N.m	
BM 0606	600 mm	600 mm	1200 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	295 Kg	4030 N	5133 N.m	
BM 0906	900 mm	600 mm	1500 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	235 Kg	3500 N	5133 N.m	
BM 0909	900 mm	900 mm	1800 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	195 Kg	3250 N	5133 N.m	
BM 1206	1200 mm	600 mm	1800 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	191 Kg	3120 N	5133 N.m	
BM 1209	1200 mm	900 mm	2100 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	160 Kg	2880 N	5133 N.m	
BM 1212	1200 mm	1200 mm	2400 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	136 Kg	2690 N	5133 N.m	
HEAVY CARRIER ARM														
BH 600	600 mm	-	600 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	881 Kg	9520 N	8544 N.m	
BH 900	900 mm	-	900 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	660 Kg	7380 N	8544 N.m	
BH 1200	1200 mm	-	1200 mm	-	120 mm	16	1	(Option)	1 + 1 (option)	340°	523 Kg	6090 N	8544 N.m	
BH 0606	600 mm	600 mm	1200 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	508 Kg	6320 N	8544 N.m	
BH 0906	900 mm	600 mm	1500 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	411 Kg	5410 N	8544 N.m	
BH 0909	900 mm	900 mm	1800 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	345 Kg	4830 N	8544 N.m	
BH 1206	1200 mm	600 mm	1800 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	340 Kg	4770 N	8544 N.m	
BH 1209	1200 mm	900 mm	2100 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	290 Kg	4340 N	8544 N.m	
BH 1212	1200 mm	1200 mm	2400 mm	-	120 mm	16	3	(Option)	1 + 1 (option)	340°	250 Kg	4020 N	8544 N.m	
MOTORIZED ARM														
BL 0600 M	600 mm	-	600 mm	400 mm	120 mm	16	1	(Option)	1 + 1 (option)	340°	120 Kg	1177 N	2839 N.m	
BL 0900 M	900 mm	-	900 mm	620 mm	120 mm	16	1	(Option)	1 + 1 (option)	340°	80 Kg	785 N	2679 N.m	
BL 0606 M	600 mm	600 mm	1200 mm	400 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	120 Kg	1177 N	2252 N.m	
BL 0906 M	900 mm	600 mm	1500 mm	620 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	120 Kg	1177 N	1934 N.m	
BL 0909 M	900 mm	900 mm	1800 mm	620 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	80 Kg	785 N	1720 N.m	
BM 1206 M	1200 mm	600 mm	1800 mm	400 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	120 Kg	1177 N	1550 N.m	
BM 1209 M	1200 mm	900 mm	2100 mm	620 mm	120 mm	16	3	(Option)	1 + 1 (option)	340°	80 Kg	785 N	1318 N.m	
MOTORIZED COLUMN														
BH 0606 COL 16M	600 mm	600 mm	1200 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7845 N.m	
BH 0906 COL 16M	900 mm	600 mm	1500 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7602 N.m	
BH 1209 COL 16M	1200 mm	900 mm	2100 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	214 Kg	2100 N	7131 N.m	
BH 1212 COL 16M	1200 mm	1200 mm	2400 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	174 Kg	1707 N	6904 N.m	
BH 0606 COL 18M	600 mm	600 mm	1200 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7845 N.m	
BH 0906 COL 18M	900 mm	600 mm	1500 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7602 N.m	
BH 1209 COL 18M	1200 mm	900 mm	2100 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	213 Kg	2090 N	7131 N.m	
BH 1212 COL 18M	1200 mm	1200 mm	2400 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	173 Kg	1697 N	6904 N.m	
BH 0606 COL 20M	600 mm	600 mm	1200 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7845 N.m	
BH 0906 COL 20M	900 mm	600 mm	1500 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7602 N.m	
BH 1209 COL 20M	1200 mm	900 mm	2100 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	211 Kg	2070 N	7131 N.m	
BH 1212 COL 20M	1200 mm	1200 mm	2400 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	171 Kg	1678 N	6904 N.m	
BH 0606 COL 22M	600 mm	600 mm	1200 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7845 N.m	
BH 0906 COL 22M	900 mm	600 mm	1500 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7602 N.m	
BH 1209 COL 22M	1200 mm	900 mm	2100 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	209 Kg	2051 N	7131 N.m	
BH 1212 COL 22M	1200 mm	1200 mm	2400 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	169 Kg	1658 N	6904 N.m	
BH 0606 COL 24M	600 mm	600 mm	1200 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7845 N.m	
BH 0906 COL 24M	900 mm	600 mm	1500 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	222 Kg	2177 N	7602 N.m	
BH 1209 COL 24M	1200 mm	900 mm	2100 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	207 Kg	2031 N	7131 N.m	
BH 1212 COL 24M	1200 mm	1200 mm	2400 mm	450 mm	120 mm	16	3	(Série)	1 + 1 (option)	340°	167 Kg	1638 N	6904 N.m	

DISTRIBUTION COLUMN AND DISTRIBUTION MODULES



Distribution column



Distribution column and single distribution module



Distribution column and two single distribution modules



Distribution column and double distribution module

- Frontage for the gas or electric outlets
- Rails for attaching accessories
- Frontage for cable management

Quantity					
	Number of separate lines for gas and electrical outlets	Number of separate lines for cable management	Number of frontages with rails for attaching accessories	Max. number of electrical outlets	Max. number of gas outlets
DISTRIBUTION ARM					
[BD 1200, BD 0612, BD 0912, BD 1212]	2	-	-	17	13
DISTRIBUTION COLUMN					
[COL 10, COL 12]	2	2	2	8	5
[COL 14, COL 26]	2	2	2	16	10
DISTRIBUTION COLUMN + 1 SINGLE DISTRIBUTION MODULE					
[COL 10, COL 12] + DIS 06 S	3	1	1	16	5
[COL 14, COL 26] + DIS 06 S	3	1	1	24	10
[COL 14, COL 26] + DIS 12 S	3	1	1	32	10
DISTRIBUTION COLUMN + 2 SINGLE DISTRIBUTION MODULES					
[COL 10, COL 12] + DIS 06 S + DIS 06 S	4	1	1	16	10
[COL 14, COL 26] + DIS 06 S + DIS 06 S	4	1	1	24	15
[COL 14, COL 26] + DIS 06 S + DIS 12 S	4	1	1	32	15
[COL 14, COL 26] + DIS 12 S + DIS 12 S	4	1	1	32	20
DISTRIBUTION COLUMN + 1 DOUBLE DISTRIBUTION MODULE					
[COL 10, COL 12] + DIS 06 D	4	1	1	16	10
[COL 14, COL 26] + DIS 06 D	4	1	1	24	10
[COL 14, COL 26] + DIS 12 D	4	1	1	32	20

Your installation in 3 stages

At STERIS, proximity is a fundamental value. Because installing a ceiling supply unit system is a complex project, our experienced teams support you throughout your project.

ANALYSIS OF REQUIREMENTS

Our teams will carry out a feasibility study of your site free of charge.

All the parameters listed are processed by a special software package.

This simulation tool allows you to view the different possible solutions. You can change the reach, travel, location and number of outlets, etc. Each planned configuration is immediately costed.



INSTALLATION

The component parts of your configuration are pre-assembled on our production site. On-site installation is therefore simplified, so the rooms are made available to their users as quickly as possible. Once the parts have been installed, our teams perform the final adjustments and present the installation to its future users.



CHANGES

Have your needs changed? With AIRport, making changes is never a problem.

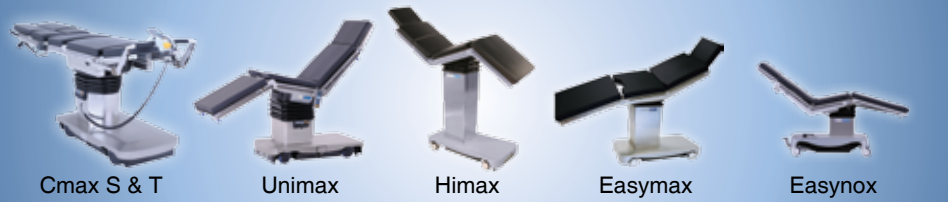
The system has been designed so that you can add or remove most of the options without changing the structure. Our engineers will help you to find the optimum solution to meet your new requirements for the best possible price.



STERIS, a complete range for the operating suite

With 5,000 employees worldwide, STERIS is a major player in healthcare. With more than 25,000 customers in more than 80 countries, STERIS is involved with every part of the operating suite with STERIS Surgical. In addition to the AIRport ceiling supply unit, STERIS has an overall offer: operating tables, surgical lights and integration systems. STERIS, also supplies Infection Prevention Technology with STERIS IPT (Infection Prevention Technology): scrubbers, sterilisers and consumables.

A WIDE RANGE OF OPERATING TABLES



Cmax S & T

Unimax

Himax

Easymax

Easynox

AIRPORT CEILING SUPPLY UNITS



Intensive care

Distribution arm

Minimally invasive surgery

Surgery

Motorised arm & column

LED SURGICAL LIGHTS



Harmony vLED®

Harmony LED®

XLED®

HARMONY INTEGRATION SYSTEMS



Harmony iQ™ 1000

Harmony iQ™ 2000

Harmony iQ™ 3000

Harmony iQ™ 6000

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