



# Pendant systems EMALED with AFNOR components





# Pendant systems

**Pendant systems are used to supply operating rooms with medical gases, electricity and data connections.**

The supply comes from the ceiling, so that the floor remains free of cables and hoses. Pendant systems make it easier to clean the rooms, make the supply more flexible and prevent accidents.

At the mounting location of the pendant system, the supply lines are mounted on an interface plate and enable fast service.

The pendant system uses hoses and flexible cables to allow accurate positioning of the connectors.

Pendant systems are mainly used in the following areas:

- In operating rooms with specific fittings for anesthesia or surgery
- Endoscopy
- Treatment rooms



The EMA-LED GmbH  
offers 2 varieties of a selection of pendant systems

Standard variant

According to customer  
requirements

The standard versions are based on our many years of experience with pendant systems and the wishes of our customers.  
Standard variants are based on a height of the raw ceiling of up to 4000mm and a false ceiling of approx. 3000mm.

The built-in components of the pendant are available in the 3 standards.

- BS
- DIN
- AFNOR

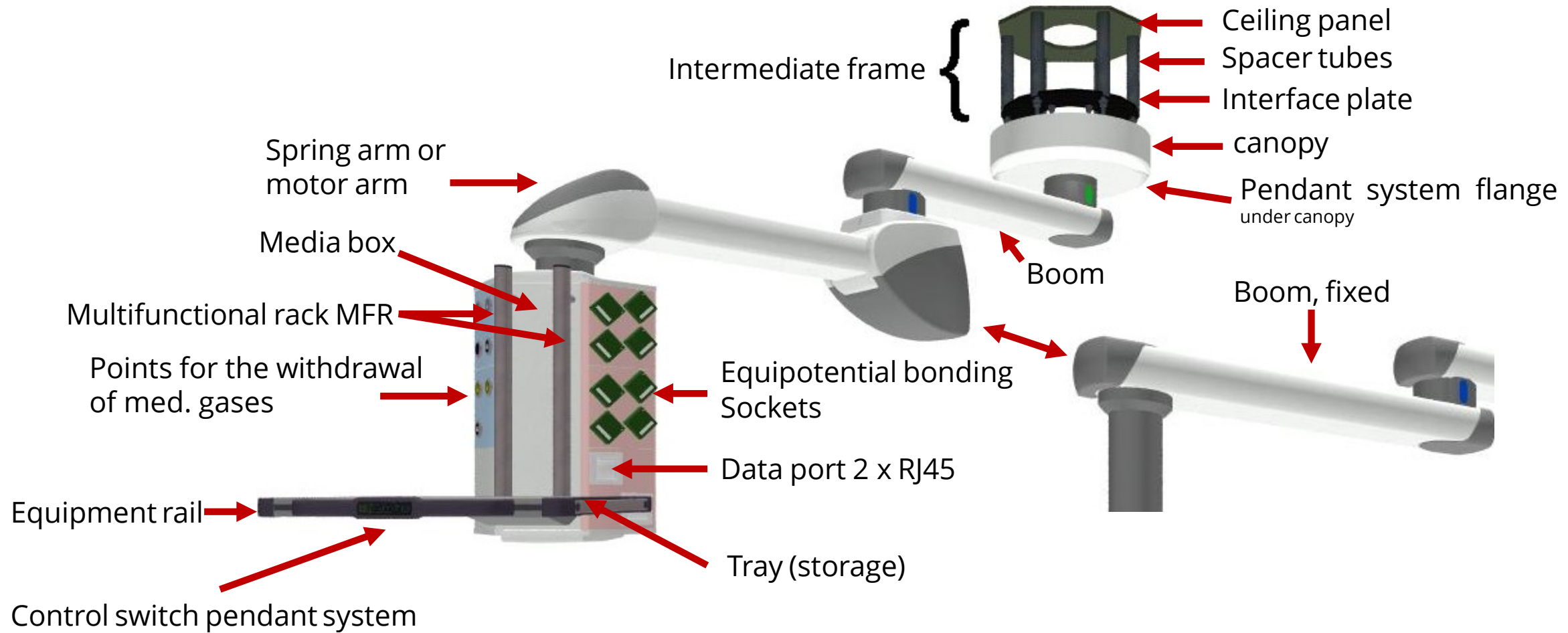
The standard configuration allows a shorter delivery time and an attractive price. Changes to the configuration are only possible in a limited range.

The customer-oriented planning of pendant systems enables the implementation of all customer requirements, provided they comply with national regulations.

It is possible to use payloads of up to 1000 kg and lift weights of up to 250 kg with a motor arm.  
Gas outlets and sockets are available in all international standards.

It is possible to specify the manufacturers of the modules and also to provide material.  
The delivery time for these products is about 12 weeks after clarification of all technical details.

# Structure of a pendant system





## Definition

|                    |  |
|--------------------|--|
| Intermediate frame | Similar to the surgical lights.  |
| Canopy             | Similar to the surgical lights.  |
| Boom               | For expansion of the range as well as better positioning of the pendant systems. A boom is not strictly necessary.   |
| Boom, fixed        | Most simple boom type without elevation.   |
| Spring arm         | Most simple height-adjustable possibility for pendant systems. Also including cases when load is changed, spring arms must be set by a technician. The spring assemblies in the spring arm must thereby be set. A spring arm is not appropriate for alternating loads. |
| Motor arm          | An electric motor is used for lifting and releasing, thus making a precise setting possible, regardless of the load, up to the max. weight (per pendant systems by EMALED, approx. 115 kg).  |

## Definition

|   |   |
|---|---|
| Friction brakes                         | A purely mechanical brake with brake screws, the same as on the surgical lights.  |
| Air-brake                               | The brake runs on compressed air and thus requires a compressed air connector on the pendant systems.   |
| E-brake                                 | The e-brake is operated on electric power and is almost wear-free.  |
| CGU                                     | Central Gas Unit. The medical gases are fed into a pipe network system in the hospital and thus taken into all areas where they are needed.   |
| Points for the withdrawal of med. gases | The points of withdrawal are standardised plug outlets which are coded differently and thus make the medical gases usable with appropriate plugs. The common medical gases are: Oxygen, compressed air, nitrous oxide, vacuum, CO2. Other gases are also partially present, and not all of the listed gases are always present. |
| Equipment rail                          | The standardised equipment rail is used for the fastening of accessories on the pendant systems.  |

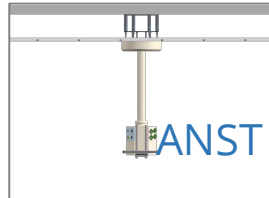
## Definition

|                           |  |
|---------------------------|--|
| Multifunctional rack MFRA | Clamping system for accessories and trays on the pendant system.   |
| Tray                      | Storage for mounting on the MFR - height-adjustable (with tools). Each tray is loadable with max. 50 kg, up to the permissible total load of the pendant system.           |
| Data sockets              | Connection sockets for networks  |
| Equipotential bonding     | Possibility to connect all electrical devices in the operation room with each other, in order to avoid any dangerous voltage between devices in case of error of a device. |
| Air motor                 | Connection for tools operated on compressed air in the operation room.   |
| NGA or AGFS               | Suction of anaesthetic gases in anaesthesia.   |

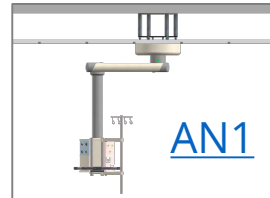


## Operating Room

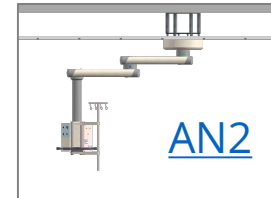
### Anesthesia



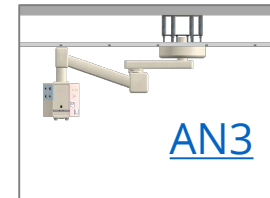
Basic



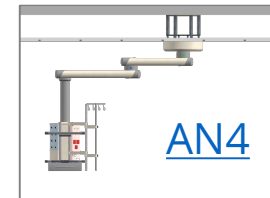
Basic



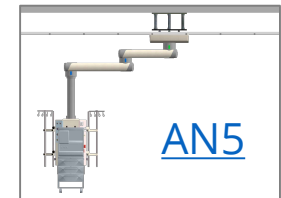
Basic



Performance

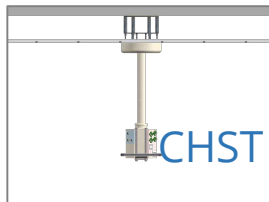


Performance

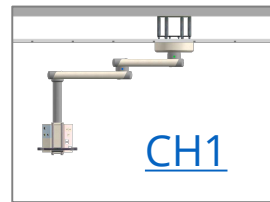


Premium

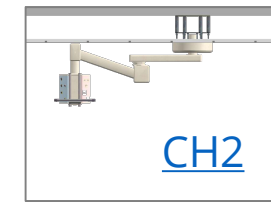
### General Surgery



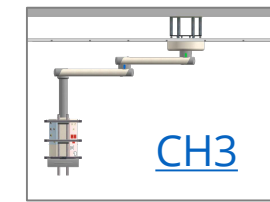
Basic



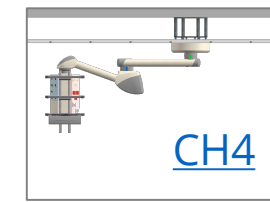
Basic



Performance



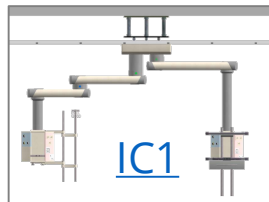
Performance



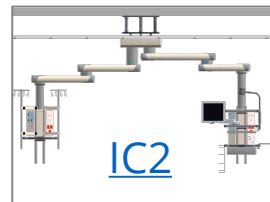
Premium

## Intensive Care Unit

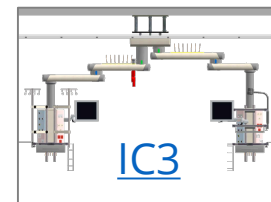
### Intensive Care



Basic



Performance



Premium



# *Recommended service components*

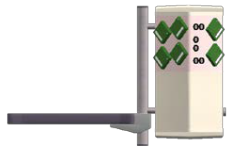
| Medical application                  | Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|--------------------------------------|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
|                                      | O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| Surgery min                          | 1                            | 1       |                  | 1   |                 |                |      |                         | 4                     | 4                           | 1              | 2             |
| Surgery standard                     | 1                            | 2       |                  | 2   |                 |                |      | 1                       | 8                     | 8                           | 1              | 2             |
| Endoscopy min                        | 1                            | 1       |                  | 1   | 1               |                |      |                         | 6                     | 6                           | 1              | 2             |
| Endoscopy standard                   |                              | 2       |                  | 2   | 1               |                |      | 1                       | 6                     | 6                           | 1              | 2             |
| Anesthesia min                       | 1                            | 1       | 1                | 1   |                 |                | 1    |                         | 6                     | 6                           | 1              | 2             |
| Anesthesia standard                  | 2                            | 2       | 1                | 2   |                 |                | 1    |                         | 10                    | 10                          | 2              | 2             |
| Resuscitation/Monitoring min         | 1                            | 1       | (1P)             | 1   |                 |                | (1P) |                         | 6                     | 6                           | 1              | 1             |
| Resuscitation/Monitoring<br>standard | 2                            | 2       | (1P)             | 2   |                 |                | (1P) |                         | 10                    | 10                          | 2              | 2             |
| Infusion min                         | 1                            | 1       |                  | 1   |                 |                |      |                         | 6                     | 6                           | 1              | 2             |
| Infusion standard                    | 1                            | 1       |                  | 1   |                 |                |      |                         | 8                     | 8                           | 2              | 2             |

P = Project options

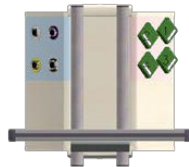


# Configuration proposal Anesthesia Basic ANST

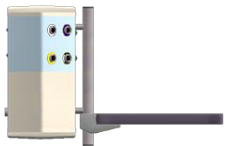
Side view right



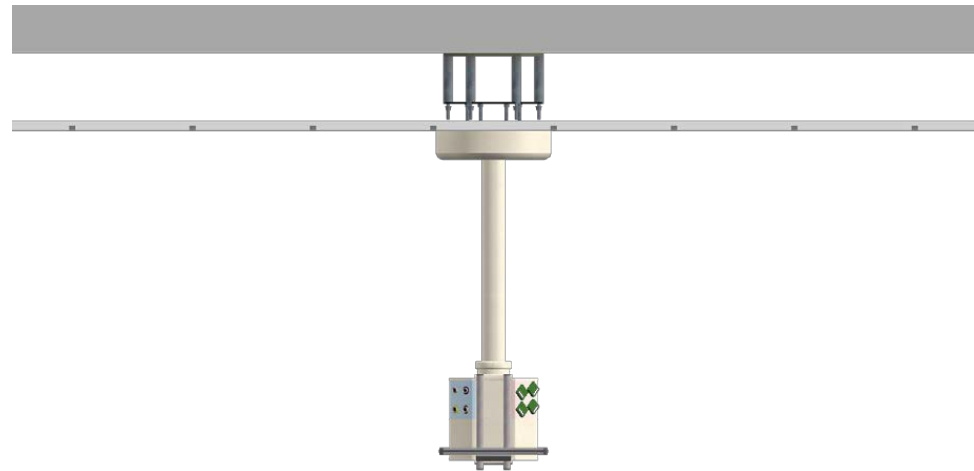
Front view



Side view left



Back



## Configuration description:

MediBoom®Air 400 with Service Head 400  
1 x Shelf 520 mm

Brake system: friktion

1. Action space\*: ---

2. Weights and Pay Loads

Remaining Net Pay Load: 221 kg

Max. pendant pay load: 250 kg

Vertical force as configured: 3317 N

3. Remaining Diameter: 70 %

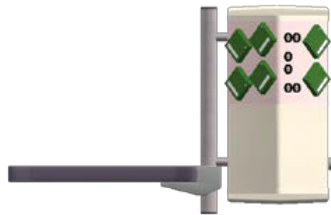
\* reference: centre of main bearing to centre of shelf

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 1       | 1                | 1   |                 |                | 1    |                         | 6                     | 6                           |                |               |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |



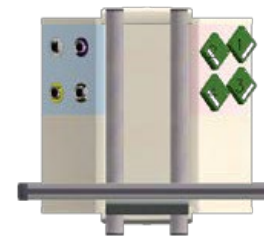
# *Configuration proposal Anesthesia Basic ANST*

Side view right

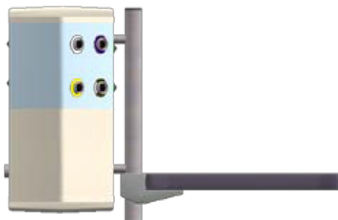


Front view

|        |  |         |
|--------|--|---------|
| O2 1   |  | 1 Green |
| N2O 2  |  | 2 Green |
| VAC 3  |  | 3 Green |
| AIR4 4 |  | 4 Green |



Side view left



Back

Green 1  
Green 2

AGFS.E

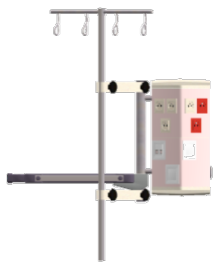






# Configuration proposal Anesthesia (AN1)

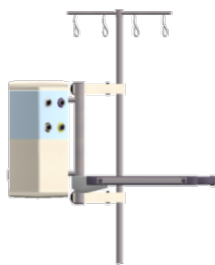
Side view right



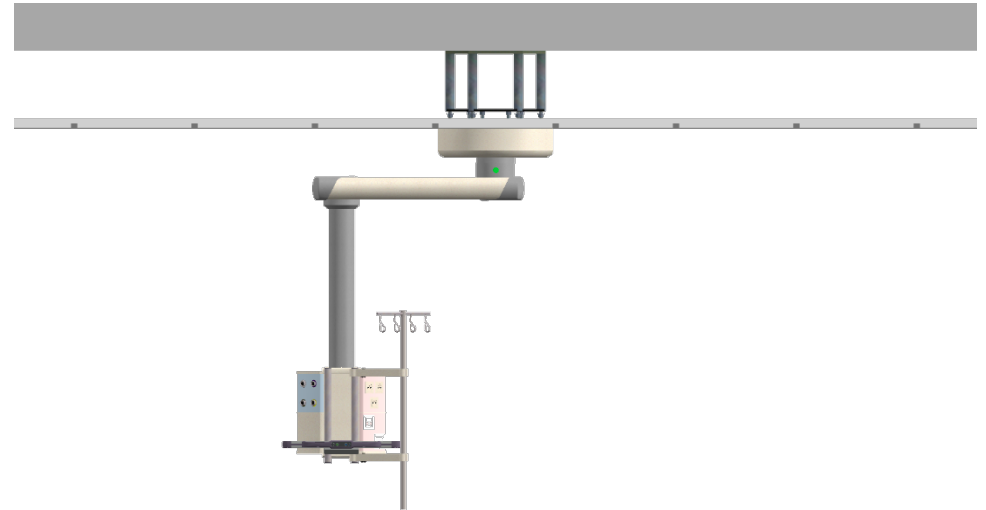
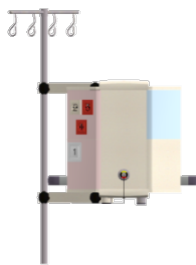
Front view



Side view left



Back



## Configuration description:

MediBoom®Air 800 with Service Head 400

1 x Shelf 520 mm, 1 x IV pole

Brake system: Pneumatic

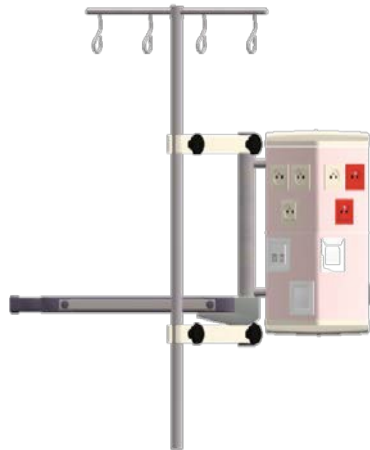
1. Action space\*: 2,400 mm
2. Weights and Pay Loads  
Remaining Net Pay Load: 380 kg  
Max. pendant pay load: 420 kg  
Vertical force as configured: 5111 N
3. Remaining Diameter: 74 %

\* reference: centre of main bearing to centre of shelf

| Number of service components |         |    |     |                 |                |      |                     |                       |                             |                |               |
|------------------------------|---------|----|-----|-----------------|----------------|------|---------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | zO | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 1       | 1  | 1   |                 |                | 1    |                     | 6                     | 6                           | 1              | 2             |
| DKD AFNOR (Norme francaise)  |         |    |     |                 |                |      |                     | Legrand               |                             |                |               |

# *Configuration proposal Anesthesia (AN1)*

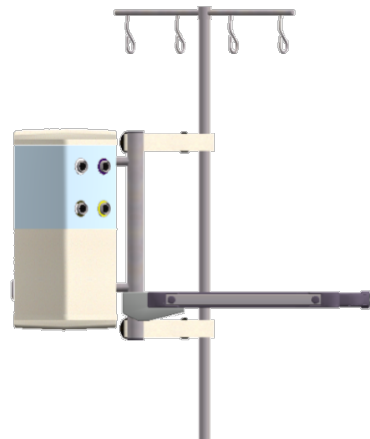
Side view right



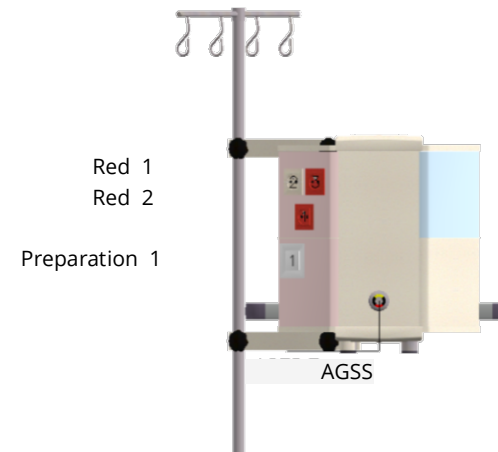
Front view



Side view left

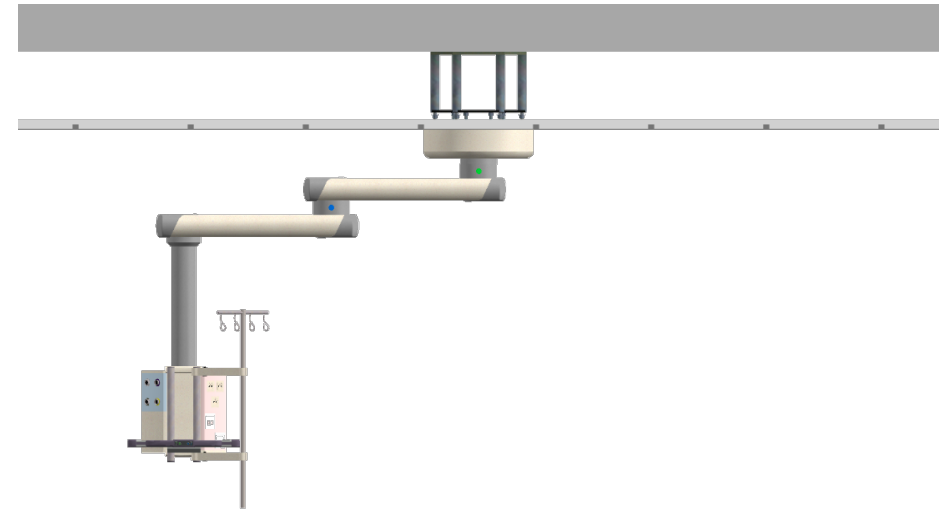
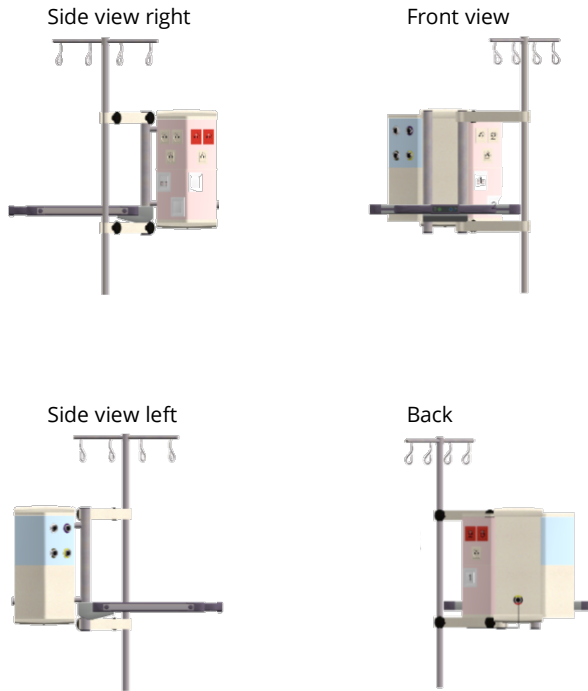


Back





# Configuration proposal Anesthesia (AN2)



## Configuration description:

MediBoom®Air 800/800 with Service Head 400  
1 x Shelf 520 mm, 1 x IV pole

1. Brake system: Pneumatic
2. Action space\*: >4,000 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 142 kg  
Max. pendant pay load: 180 kg  
Vertical force as configured: 3025 N
4. Remaining Diameter: 74 %

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 1       | 1                | 1   |                 |                | 1    |                         | 6                     | 6                           | 1              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |

\* reference: centre of main bearing to centre of shelf



# Configuration proposal Anesthesia (AN2)

Side view right



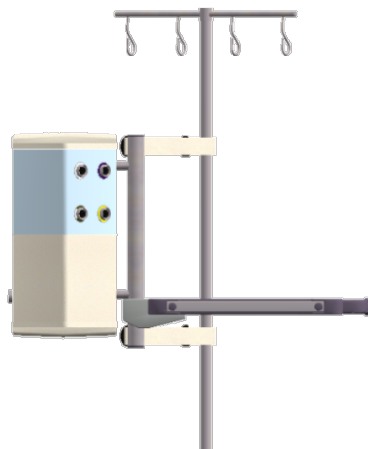
Front view



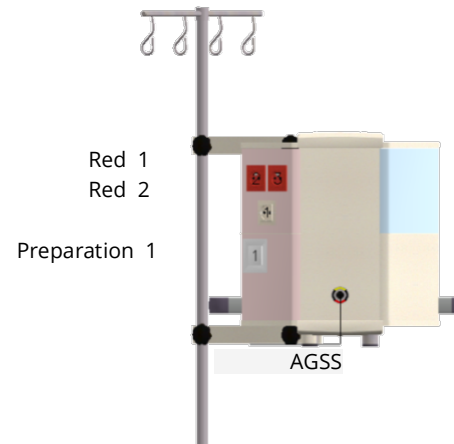
O2 1  
N2O 2  
AIR5 3  
VAC 4

1 White  
2 White  
3 White  
1 2x Cat6 IDC  
2 Preparation

Side view left



Back



Red 1  
Red 2  
Preparation 1

AGSS



# Configuration proposal Anesthesia (AN3)

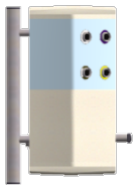
Side view right



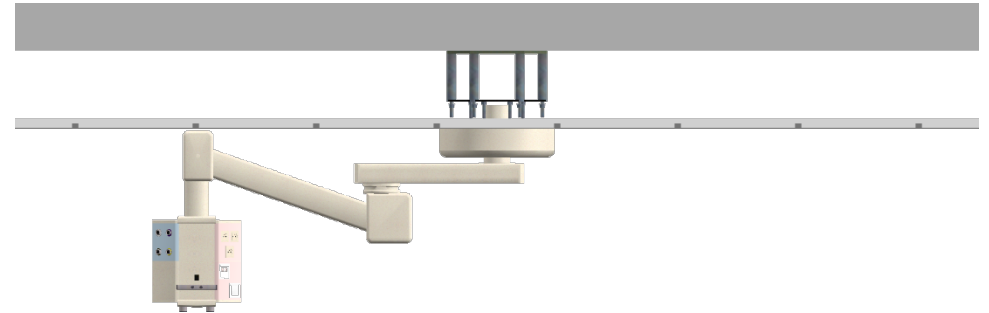
Front view



Side view left



Back



## Configuration description:

Multimovement pendant 600/1000 with Service Head 400

1. Brake system: Pneumatic
2. Action space\*: >4,000 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 68 kg  
Max. pendant pay load: 90 kg  
Vertical force as configured: 2278 N
4. Remaining Diameter: 46 %

## Number of service components

| O <sub>2</sub>              | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
|-----------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| 1                           | 1       | 1                | 1   |                 |                | 1    |                         | 6                     | 6                           | 1              | 2             |
| DKD AFNOR (Norme francaise) |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |

\* reference: centre of main bearing to centre of shelf



# Configuration proposal Anesthesia (AN3)

Side view right



Front view

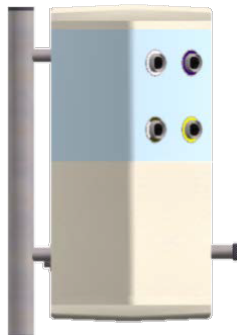
O2 1  
N2O 2  
AIR5 3  
VAC 4



1 White  
2 White  
3 White

1 2x Cat6 IDC  
2 Preparation

Side view left



Back

Red 1  
Red 2  
  
Preparation 1

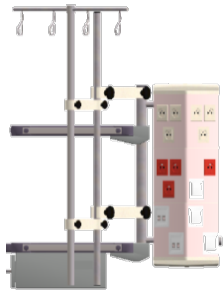


AGSS

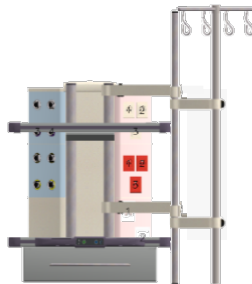


# Configuration proposal Anesthesia (AN4)

Side view right



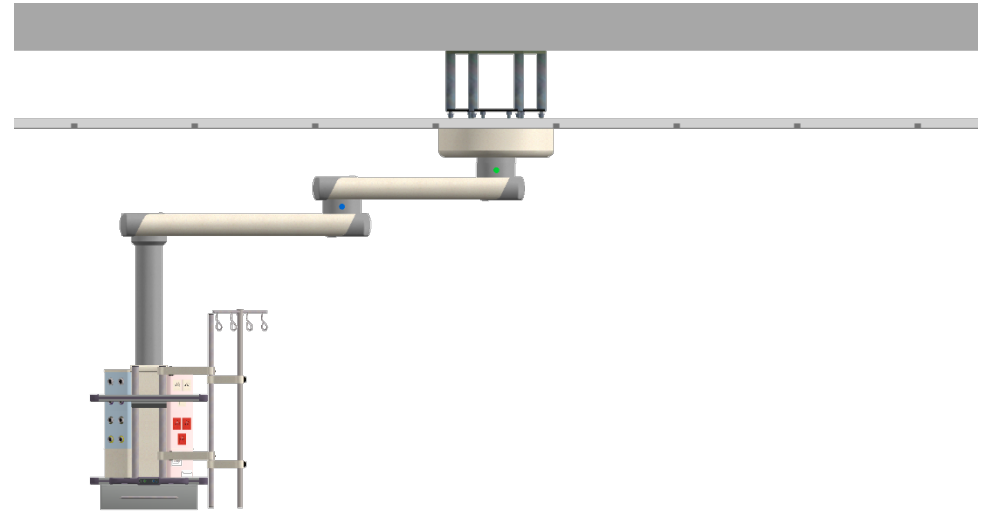
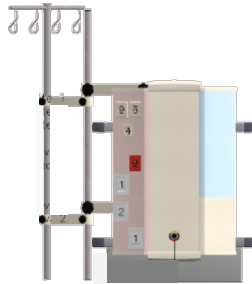
Front view



Side view left



Back



## Configuration description:

MediBoom®Air+ 800/1000 with Service Head 600

2 x Shelf 520 mm, 1 x Drawer, 1 x IV pole w. extension

1. Brake system: Electropneumatic
2. Action space\*: >4,400 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 134 kg  
Max. pendant pay load: 190 kg  
Vertical force as configured: 3153 N
4. Remaining Diameter: 65 %

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 2                            | 2       | 1                | 2   |                 |                | 1    |                         | 10                    | 10                          | 2              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |

\* reference: centre of main bearing to centre of shelf





# Configuration proposal Anesthesia (AN4)

Side view right



Front view

- O2 1
- O2 2
- N2O 3
- N2O 4
- AIR5 1
- AIR5 2
- VAC 3
- VAC 4

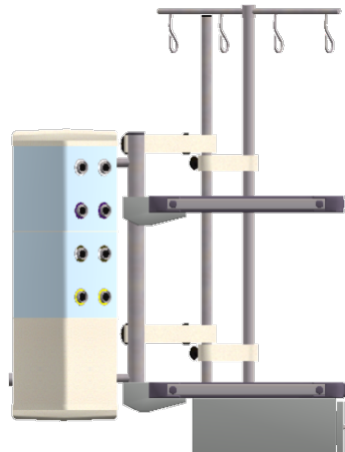


- 1 White
- 2 White
- 3 White

- 1 Red
- 2 Red
- 3 Red

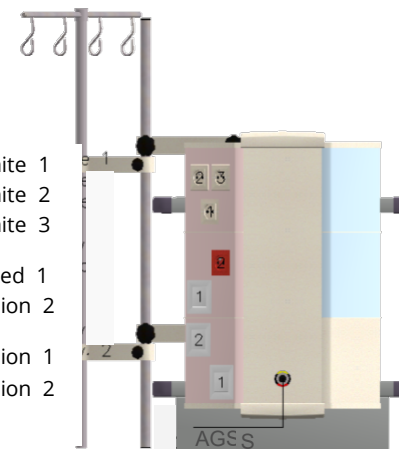
- 1 2x Cat6 IDC
- 2 2x Cat6 IDC

Side view left



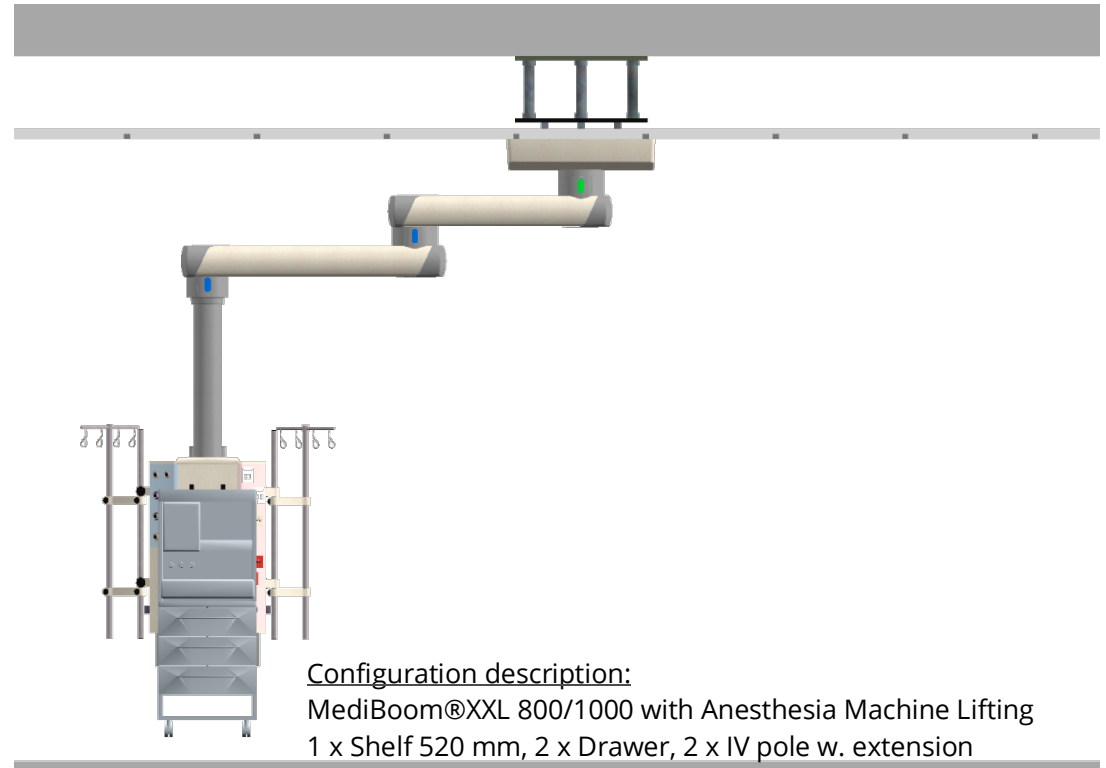
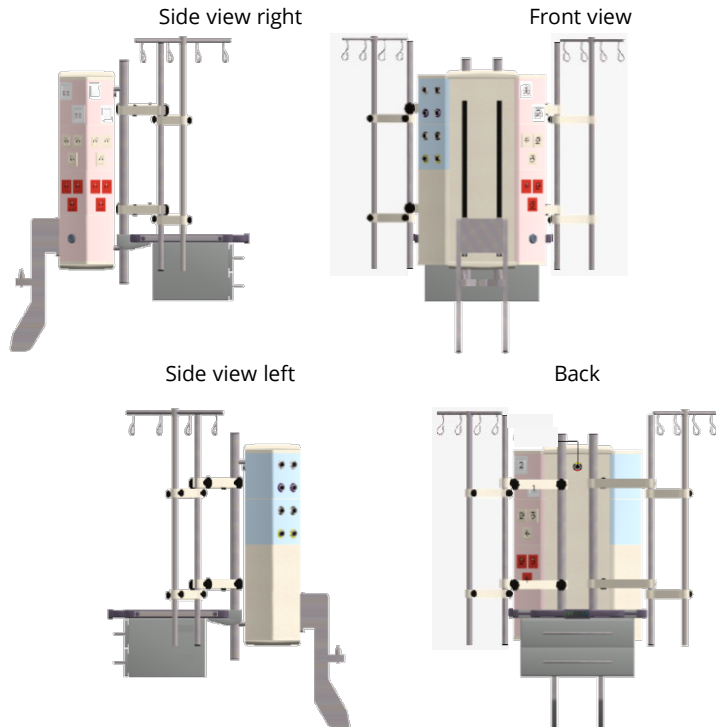
Back

- White 1
- White 2
- White 3
- Red 1
- Preparation 2
- Preparation 1
- Preparation 2





# Configuration proposal Anesthesia (AN5)



1. Brake system: Electromagnetic
2. Action space\*: >4,400 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 241 kg  
Max. pendant pay load: 340 kg  
Vertical force as configured: 5684 N
4. Remaining Diameter: 68 %

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 2                            | 2       | 2                | 2   |                 |                | 1    |                         | 12                    | 12                          | 2              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |

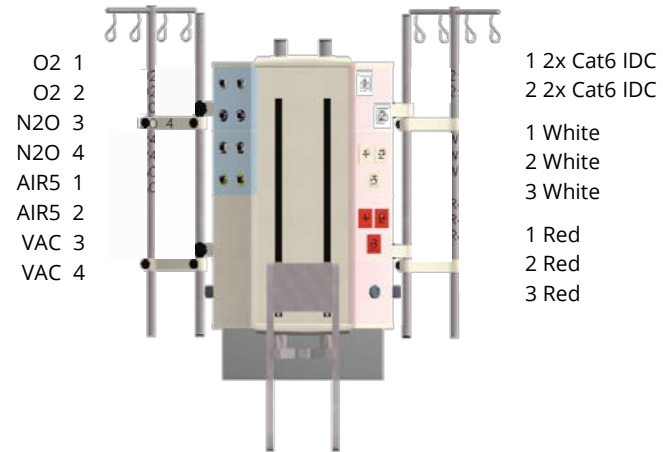
\* reference: centre of main bearing to centre of shelf

# Configuration proposal Anesthesia (AN5)

Side view right



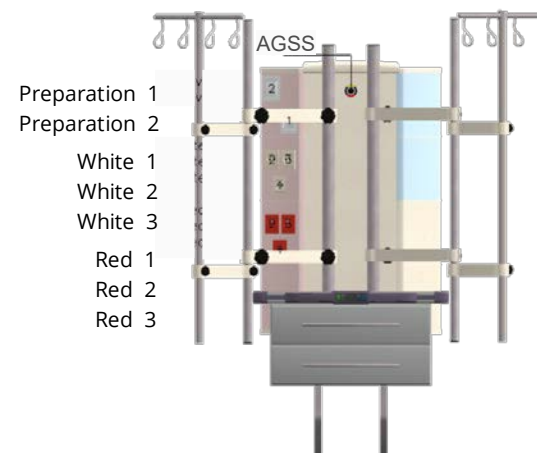
Front view



Side view left



Back



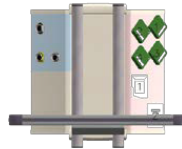


# Configuration proposal General Surgery Basic CHST

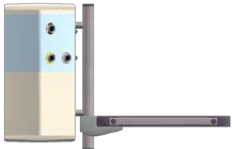
Side view right



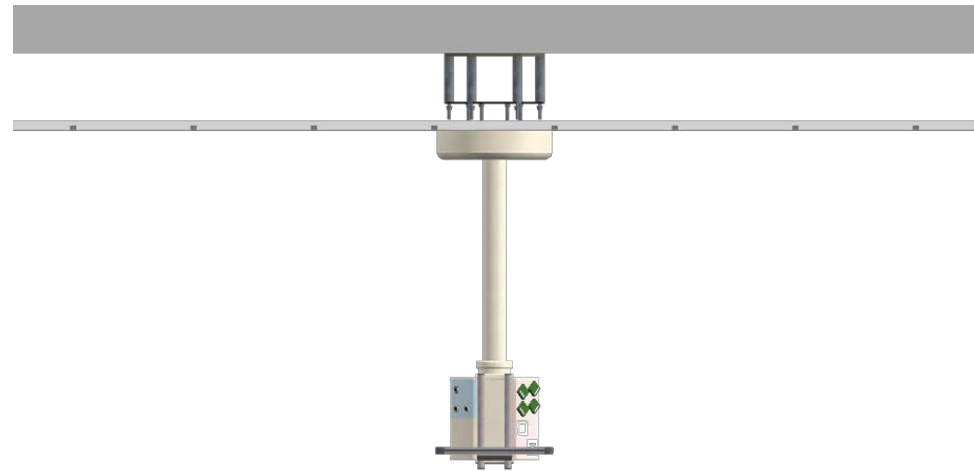
Front view



Side view left



Back



## Configuration description:

MediBoom®Air 400 with Service Head 400  
1 x Shelf 520 mm

Brake system: friktion

1. Action space\*: ---

2. Weights and Pay Loads

Remaining Net Pay Load: 225 kg

Max. pendant pay load: 250 kg

Vertical force as configured: 3317 N

3. Remaining Diameter: 85 %

\* reference: centre of main bearing to centre of shelf

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 1       |                  | 1   |                 |                |      |                         | 4                     | 4                           | 1              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |

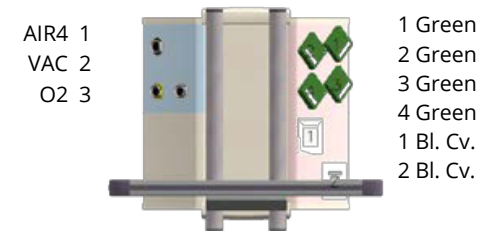


# *Configuration proposal General Surgery Basic CHST*

Side view right



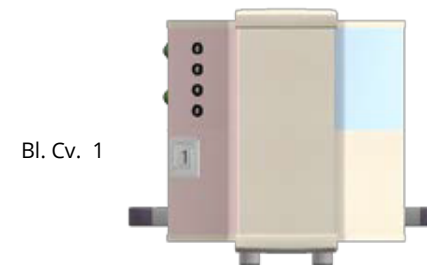
Front view



Side view left



Back





# Configuration proposal General Surgery (CH1)

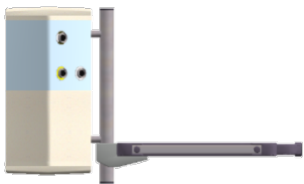
Side view right



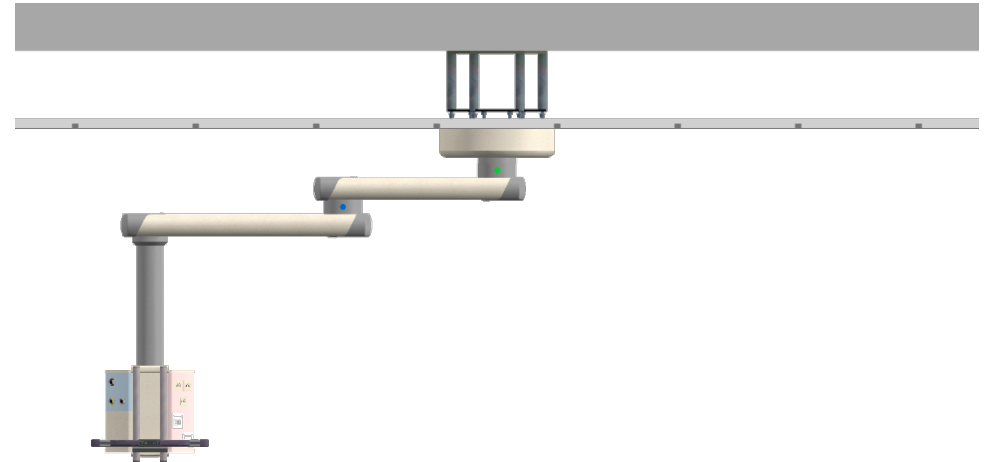
Front view



Side view left



Back



Configuration description:  
MediBoom®Air 800/1000 with Service  
Head 400 1 x Shelf 520 mm

1. Brake system: Pneumatic
2. Action space\*: >4,400 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 115 kg  
Max. pendant pay load: 150 kg  
Vertical force as configured: 2761 N
4. Remaining Diameter: 82 %

| Number of service components |         |                  |     |                 |                |      |                     |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|---------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 1       |                  | 1   |                 |                |      |                     | 4                     | 4                           | 1              | 2             |
| DKD AFNOR (Norme française)  |         |                  |     |                 |                |      |                     | Legrand               |                             |                |               |

\* reference: centre of main bearing to centre of shelf



# Configuration proposal General Surgery (CH1)

Side view right



Front view

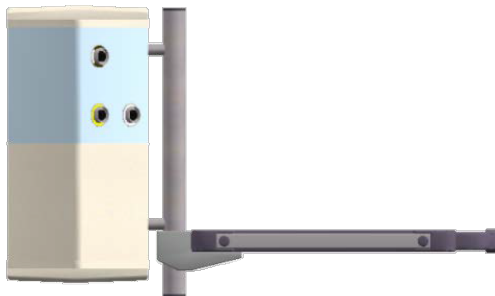
O2 1  
AIR4 2  
VAC 3



1 White  
2 White  
3 White

1 2x Cat6 IDC  
2 Preparation

Side view left



Back

White 1  
Preparation 2

Preparation 1





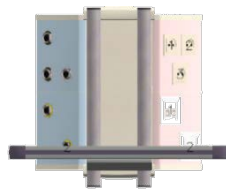


# Configuration proposal General Surgery (CH2)

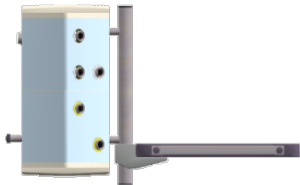
Side view right



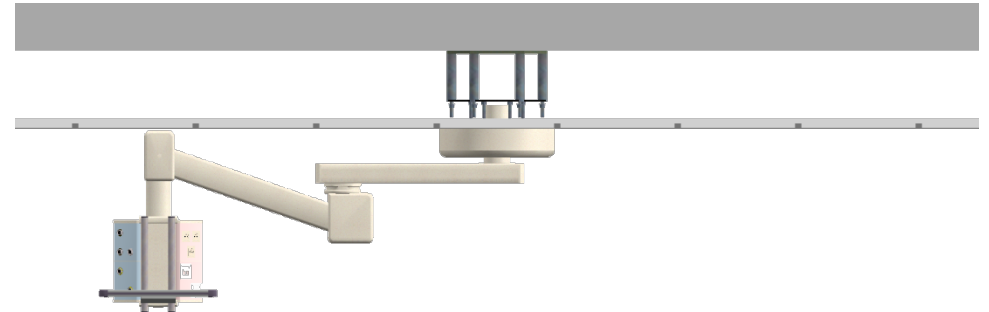
Front view



Side view left



Back



## Configuration description:

Multimovement pendant 800/1000 with Service Head 400  
1 x Shelf 520 mm

1. Brake system: Pneumatic
2. Action space\*: >4,400 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 59 kg  
Max. pendant pay load: 90 kg  
Vertical force as configured: 2322 N
4. Remaining Diameter: 33 %

\* reference: centre of main bearing to centre of shelf

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 2       |                  | 2   |                 |                |      | 1                       | 8                     | 6                           | 1              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |



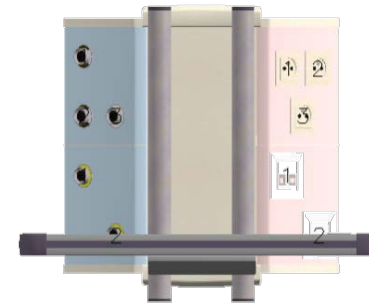
# Configuration proposal General Surgery (CH2)

Side view right



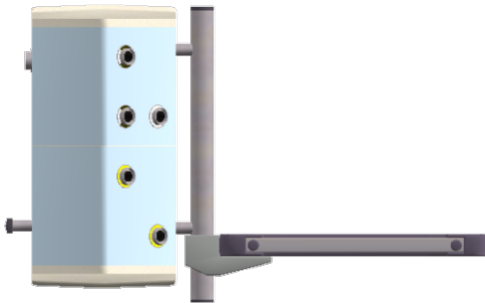
Front view

O2 1  
AIR5 2  
AIR5 3  
  
VAC 1  
VAC 2

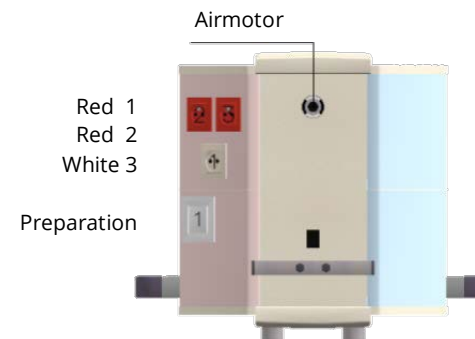


1 White  
2 White  
3 White  
  
1 2x Cat6 IDC  
2 Preparation

Side view left



Back



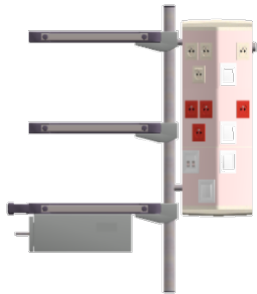
Red 1  
Red 2  
White 3  
  
Preparation

Airmotor



# Configuration proposal General Surgery (CH3)

Side view right



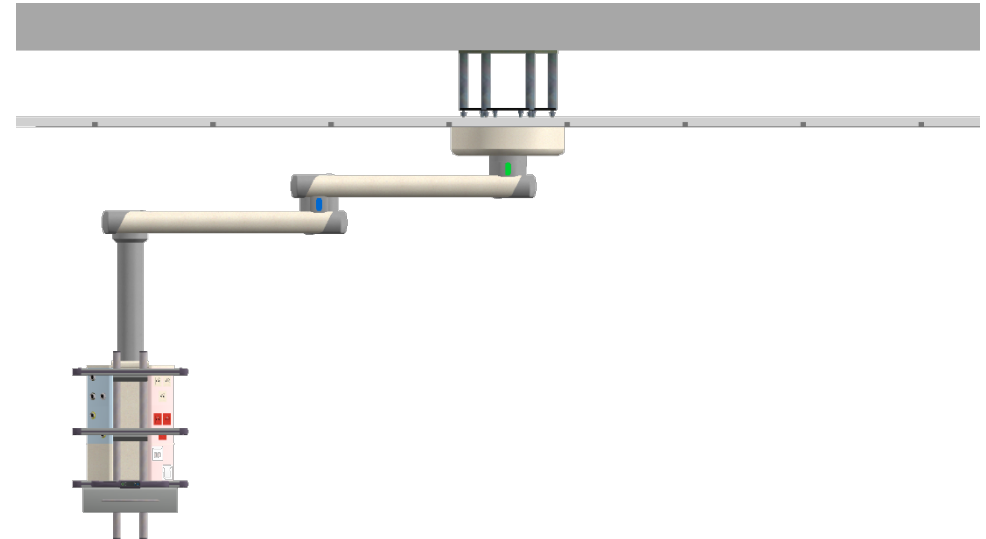
Front view



Side view left



Back



## Configuration description:

MediBoom® 1000/1000 with Service  
Head 600 3 x Shelf 520 mm, 1 x Drawer

1. Brake system: Electromagnetic
2. Action space\*: >4,800 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 110 kg  
Max. pendant pay load: 170 kg  
Vertical force as configured: 2986 N
4. Remaining Diameter: 68 %

| Number of service components |         |                  |     |                 |                |      |                    |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|--------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-moto | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 2       |                  | 2   |                 |                |      | 1                  | 8                     | 8                           | 1              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                    | Legrand               |                             |                |               |

\* reference: centre of main bearing to centre of shelf



# Configuration proposal General Surgery (CH3)

Side view right

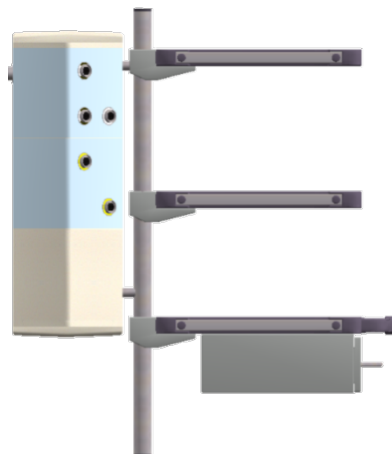


Front view

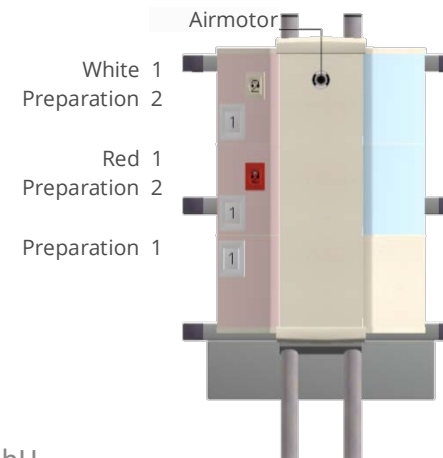
- |        |               |
|--------|---------------|
| O2 1   | 1 White       |
| AIR5 2 | 2 White       |
| AIR5 3 | 3 White       |
| VAC 1  | 1 Red         |
| VAC 2  | 2 Red         |
|        | 3 Red         |
|        | 1 2x Cat6 IDC |
|        | 2 Preparation |



Side view left

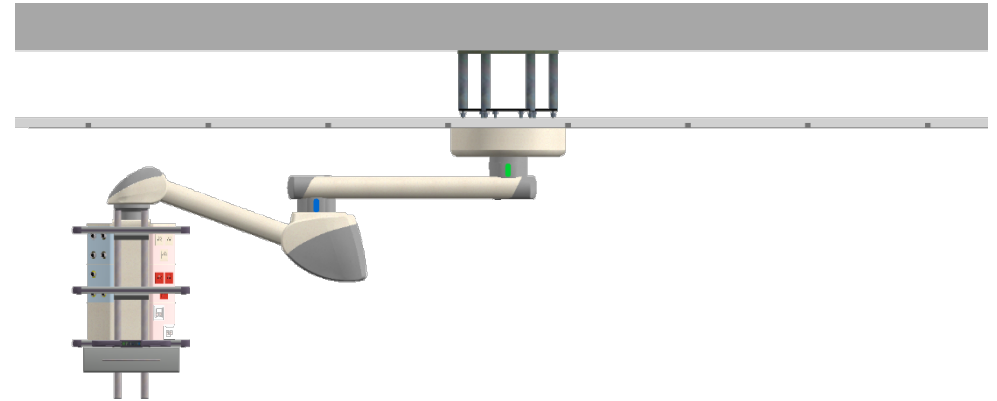
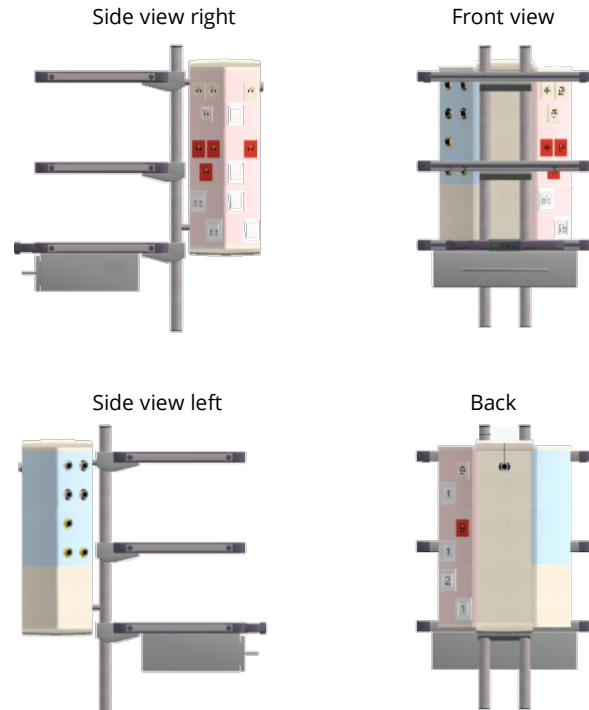


Back





# Configuration proposal General Surgery (CH4)



## Configuration description:

MediLift 1000/1000 with Service Head 600

3 x Shelf 520 mm, 1 x Drawer

1. Brake system: Electromagnetic
2. Action space\*: >4,800 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 94 kg  
Max. pendant pay load: 150 kg  
Vertical force as configured: 3166 N
4. Remaining Diameter: 58 %

| Number of service components |         |                  |     |                 |                |      |                         |                       |                             |                |               |
|------------------------------|---------|------------------|-----|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>               | Air 4/5 | N <sub>2</sub> O | Vac | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1                            | 3       |                  | 3   |                 |                |      | 1                       | 8                     | 8                           | 2              | 2             |
| DKD AFNOR (Norme francaise)  |         |                  |     |                 |                |      |                         | Legrand               |                             |                |               |

\* reference: centre of main bearing to centre of shelf

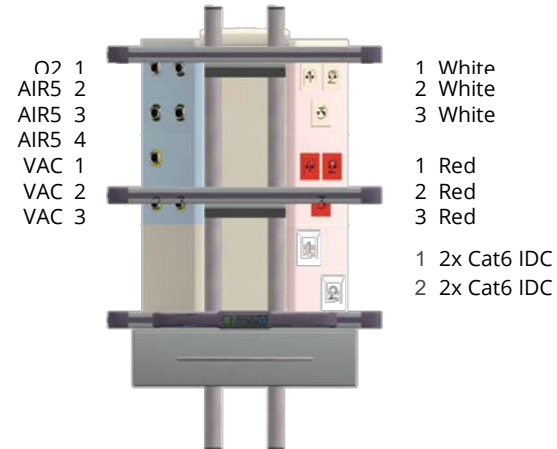


# Configuration proposal General Surgery (CH4)

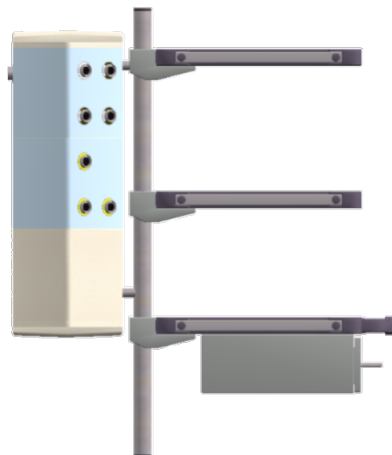
Side view right



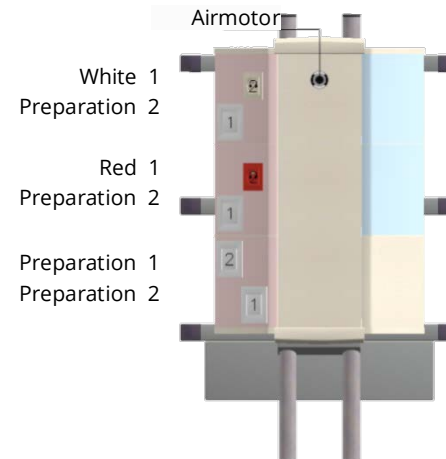
Front view



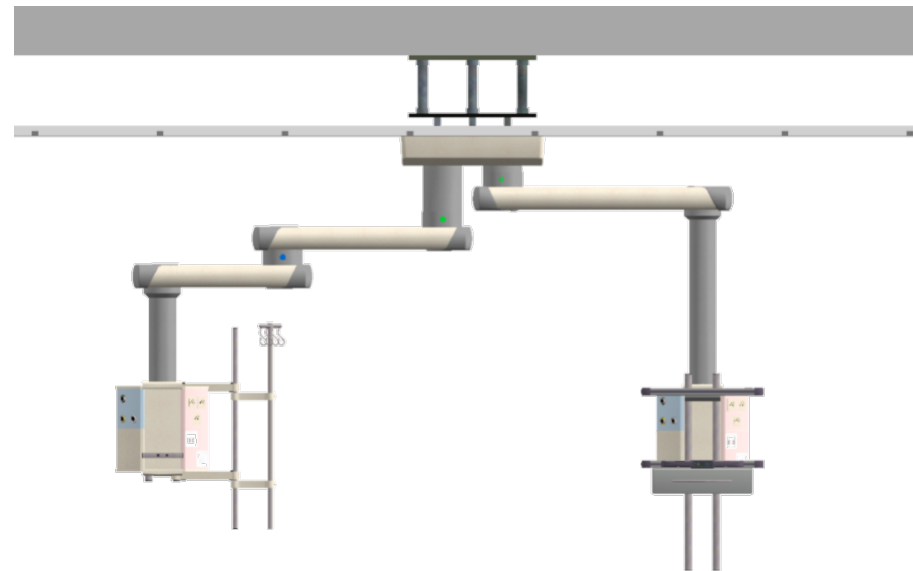
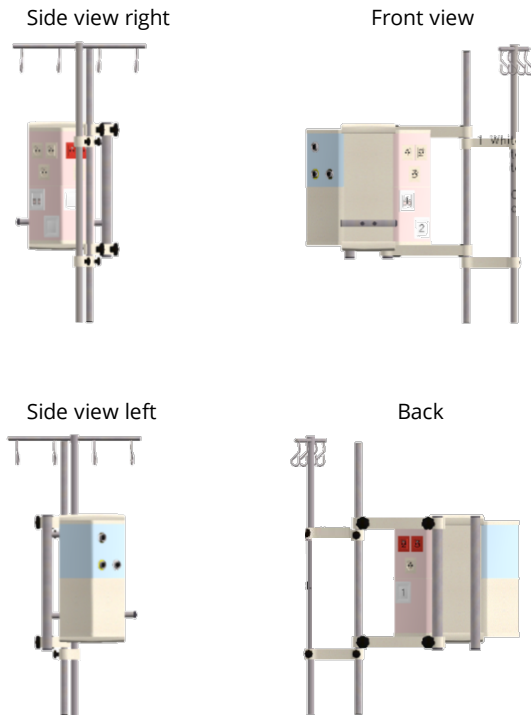
Side view left



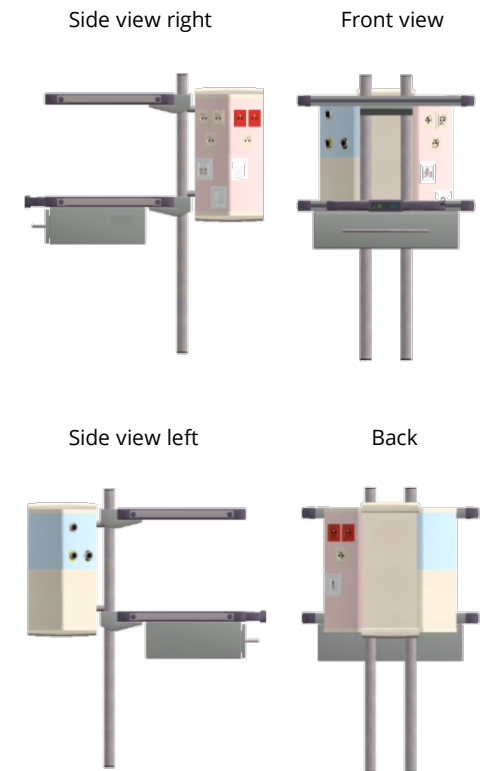
Back



# Configuration proposal ICU (IC1)



Configuration infusion side:  
MediBoom® Air 800/600  
with Service Head 400  
1 x Infusion pole with extension



Configuration ventilation side  
MediBoom® Air 1000  
with Service Head 400  
2 x Shelf 520 mm, 1 x Drawer

1. Brake systems: Pneumatic
2. Action spaces\*: >3,600/>2,800 mm
3. Weights and Pay Loads  
Remaining Net Pay Load: 191/273 kg  
Max. pendant pay load: 220/320 kg  
Vertical force as configured: 7535 N
4. Remaining Diameter: 82/82 %

\* reference: centre of main bearing to centre of shelf

| Number of service components - Infusion side / Ventilation side |         |                  |       |                 |                |      |                         |                       |                             |                |               |
|---|---------|------------------|-------|-----------------|----------------|------|-------------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>  | Air 4/5 | N <sub>2</sub> O | Vac   | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-<br>motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 1 / 1   | 1 / 1   |                  | 1 / 1 |                 |                |      |                         | 6 / 6                 | 6 / 6                       | 1 / 1          | 2 / 2         |
| DKD AFNOR (Norme francaise)                                     |         |                  |       |                 |                |      |                         | Legrand               |                             |                |               |



# Configuration proposal ICU (IC1)

## Infusion side

Side view right



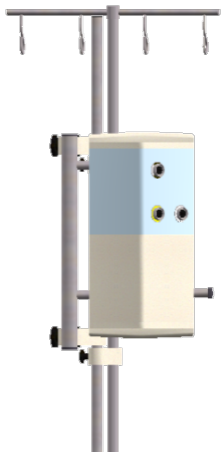
Front view

O2 1  
VAC 2  
AIR5 3



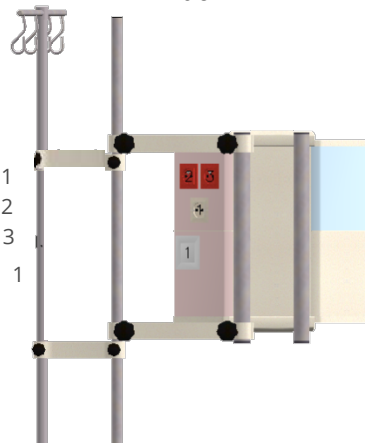
1 White  
2 White  
3 White  
  
1 2x Cat6 IDC  
2 Preparation

Side view left



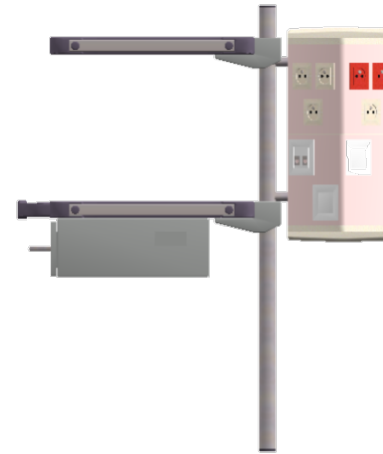
Back

Red 1  
Red 2  
White 3  
Preparation 1



## Ventilation side

Side view right



Front view

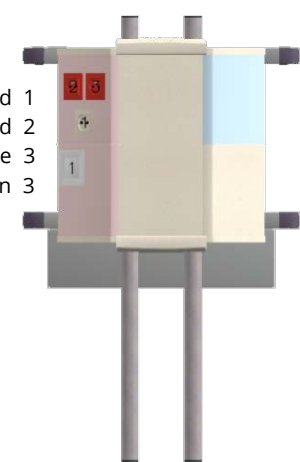


Side view left

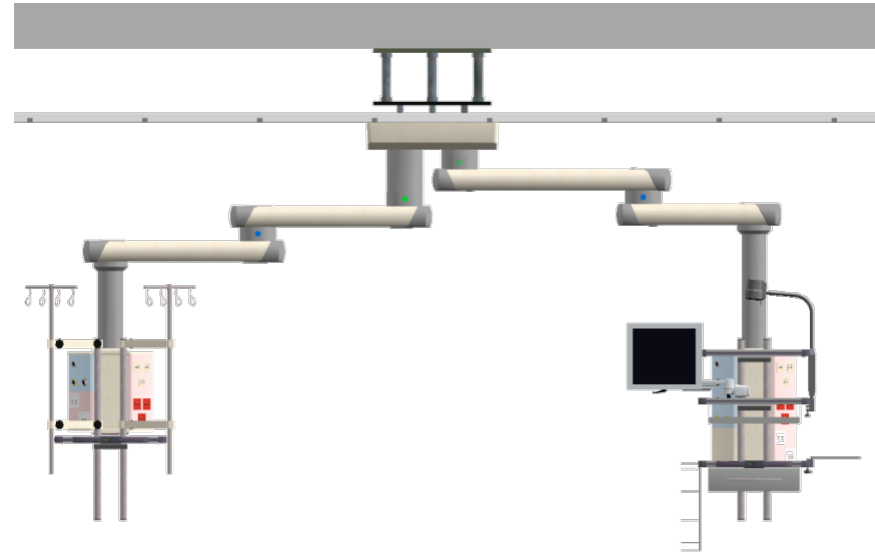
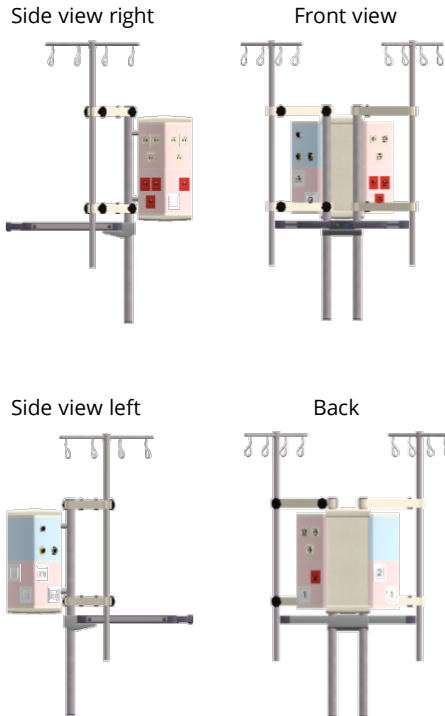


Back

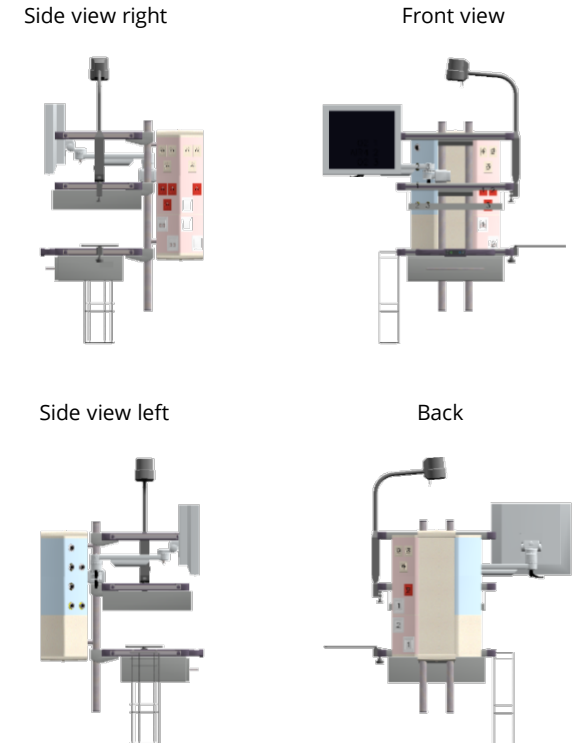
Red 1  
Red 2  
White 3  
Preparation 3



# Configuration proposal ICU (IC2)



Configuration infusion side:  
MediBoom® Air+ 800/800  
with Service Head 400  
1 x Shelf 520 mm  
2 x Infusion pole with extension



Configuration ventilation side  
MediBoom® Air+ 1000/600  
with Service Head 600  
3 x Shelf 520 mm, 1 x Drawer  
1 x Keyboard/writing tray

- 1 Brake systems: Pneumatic
- 2 Action spaces\*: >4,000/>4,000 mm
- 3 Weights and Pay Loads  
Remaining Net Pay Load: 181/151 kg  
Max. pendant pay load: 220/220 kg  
Vertical force as configured: 6822 N
- 4 Remaining Diameter: 80/76 %

\*reference: centre of main bearing to centre of shelf

| Number of service components - Infusion side / Ventilation side |         |                  |       |                 |                |      |                     |                    |                       |             |            |
|---|---------|------------------|-------|-----------------|----------------|------|---------------------|--------------------|-----------------------|-------------|------------|
| O <sub>2</sub>  | Air 4/5 | N <sub>2</sub> O | Vac   | CO <sub>2</sub> | N <sub>2</sub> | AGSS | Air 8/<br>Air-motor | Electrical sockets | Earth bonding sockets | Double RJ45 | Data prep. |
| 1 / 2   | 1 / 2   |                  | 1 / 2 |                 |                |      |                     | 10 / 12            | 10 / 12               | 2 / 2       | 2 / 2      |
| DKD AFNOR (Norme francaise)                                     |         |                  |       |                 |                |      |                     | Legrand            |                       |             |            |

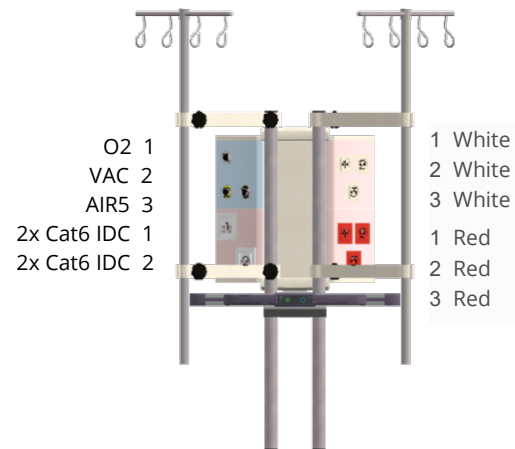
# Configuration proposal ICU (IC2)

## Infusion side

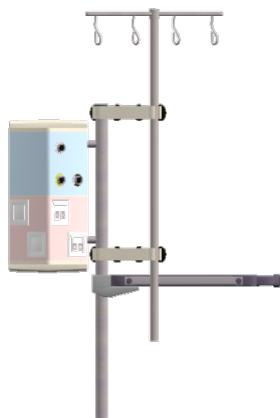
Side view right



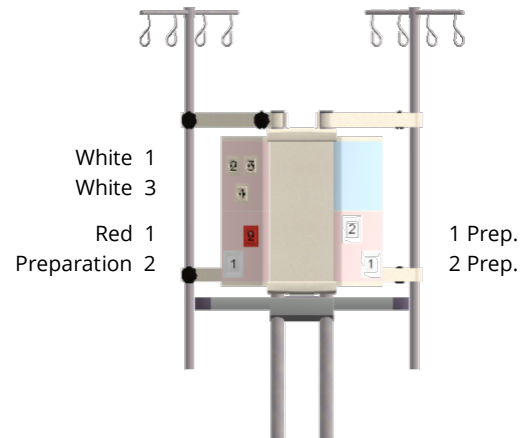
Front view



Side view left

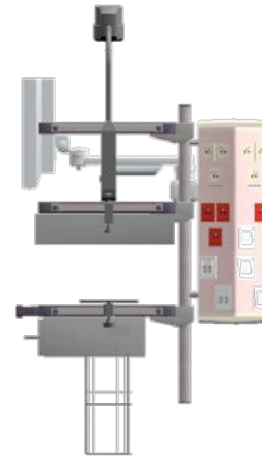


Back

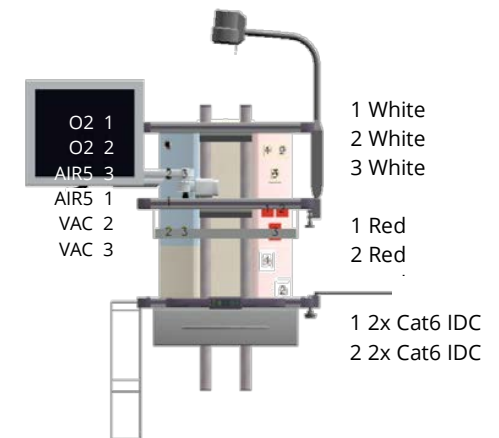


## Ventilation side

Side view right



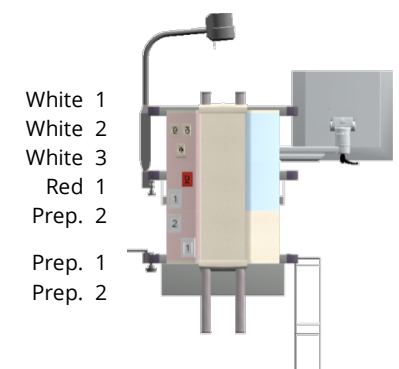
Front view



Side view left

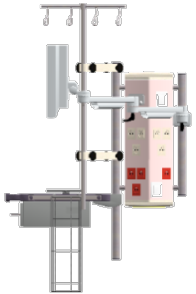


Back

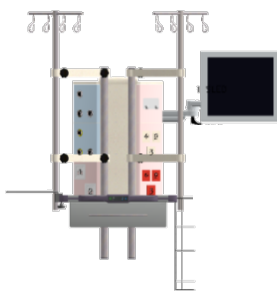


# Configuration proposal ICU (IC3)

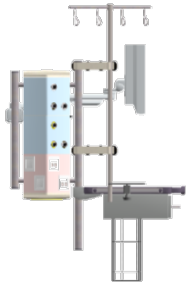
Side view right



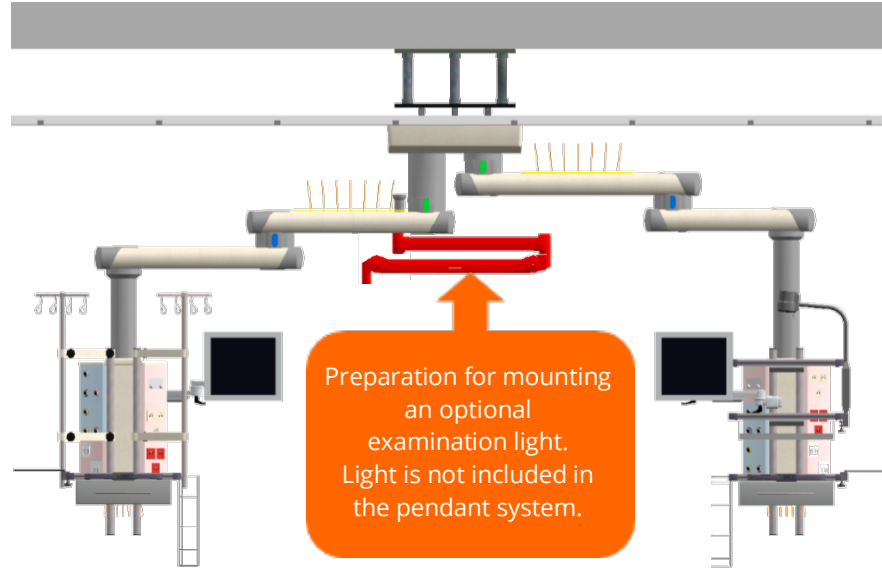
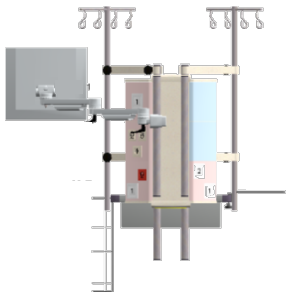
Front view



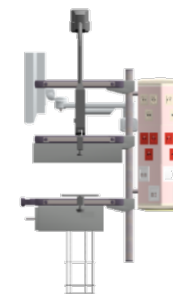
Side view left



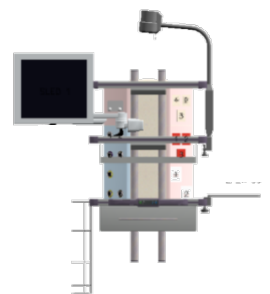
Back



Side view right



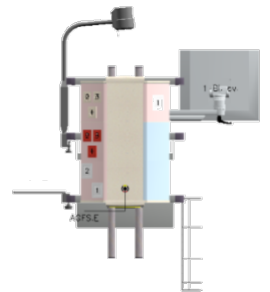
Front view



Side view left



Back



Configuration infusion side:  
MediBoom® Air+ 800/800  
with Service Head 600  
1 x Shelf 520 mm, 1 x Drawer  
2 x Infusion pole with extension

Configuration ventilation side:  
MediBoom® Air+ 1000/600  
with Service Head 600  
3 x Shelf 520 mm, 1 x Drawer  
1 x Keyboard/writing tray

- 1 Brake systems: Pneumatic
- 2 Action spaces\*: >4,000/>4,000 mm
- 3 Weights and Pay Loads  
Remaining Net Pay Load: 164/149 kg  
Max. pendant pay load: 220/220 kg  
Vertical force as configured: 6822 N
- 4 Remaining Diameter: 76/68 %

\*reference: centre of main bearing to centre of shelf

| Number of service components - Infusion side / Ventilation side |         |                  |       |                 |                |       |                     |                       |                             |                |               |
|---|---------|------------------|-------|-----------------|----------------|-------|---------------------|-----------------------|-----------------------------|----------------|---------------|
| O <sub>2</sub>  | Air 4/5 | N <sub>2</sub> O | Vac   | CO <sub>2</sub> | N <sub>2</sub> | AGSS  | Air 8/<br>Air-motor | Electrical<br>sockets | Earth<br>bonding<br>sockets | Double<br>RJ45 | Data<br>prep. |
| 2 / 2   | 2 / 2   | 0 / 1            | 2 / 2 |                 |                | 0 / 1 |                     | 10 / 12               | 6 / 6                       | 2 / 2          | 2 / 2         |
| DKD AFNOR (Norme francaise)                                     |         |                  |       |                 |                |       |                     | Legrand               |                             |                |               |

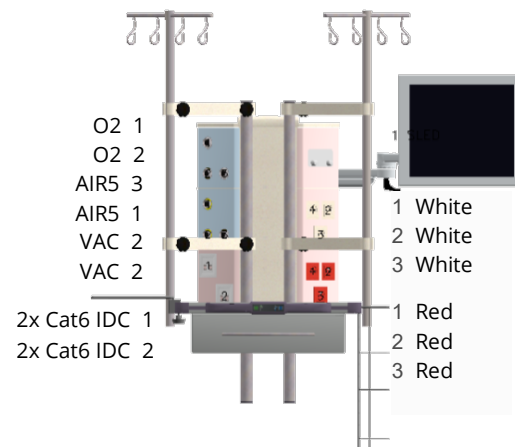
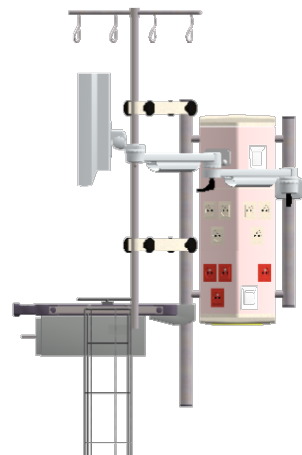
# Configuration proposal ICU (IC3)

## Infusion side

## Ventilation side

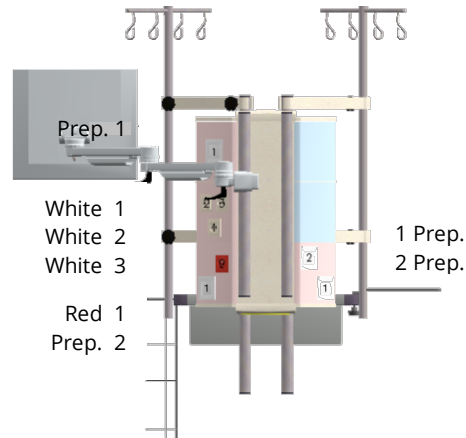
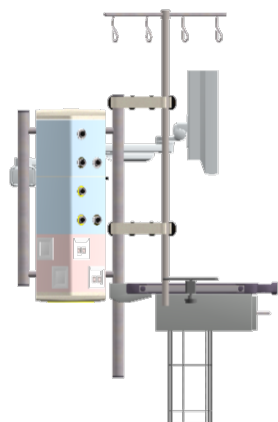
Side view right

Front view



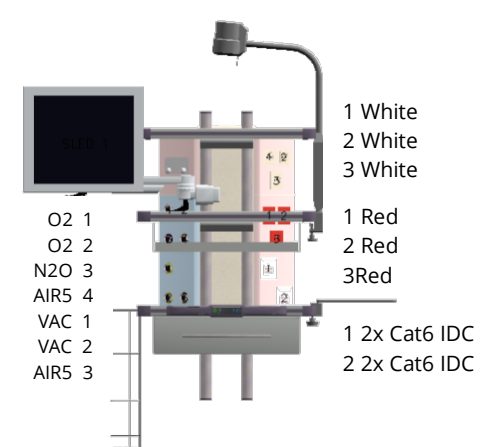
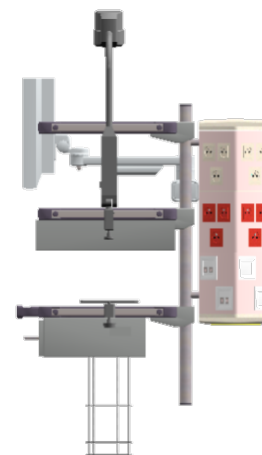
Side view left

Back



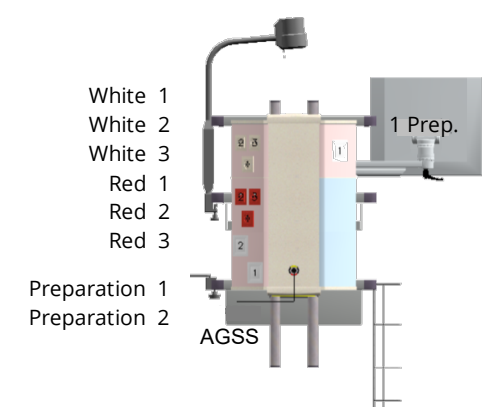
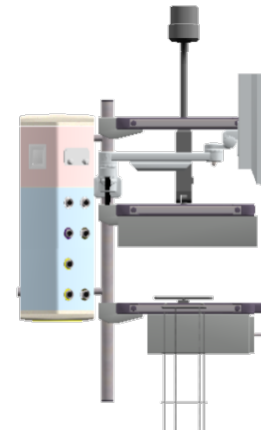
Side view right

Front view



Side view left

Back





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