Mounting Solutions for Maquet FLOW-i

CIM Cable Integrated Mounting System
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General notes

Product safety
CIM med® medical mounting solutions for anaesthesia machines are designed and tested to the most exacting of standards, are CE marked and adhere to the regulations MDD 93/42 ECC. EN 60601-1, 3rd edition compliance forms the basis of everything we do, to ensure that you and your customer get the safest, most beneficial solutions available in the world today.

Each arm is earthed back to the carts own earthing system. The arms can be restricted in movements to protect elements of the cart like rotameters, screens and cylinder manifolds. This also helps tip test conformity.

We have taken the time and effort to carry out all other testing such as static and dynamic load testing in combination with your anaesthesia cart. This is an essential part of medical compliance. We consider it our responsibility to ensure that the CIM configuration offered in this mounting reference guide, is tested, stable and safe. We will never supply you with a solution that is not 100% compliant.

Please ask for a variety of TÜV-tested mounting solutions for anesthesia applications. A declaration of conformity as well as the TÜV report can be provided on request: enquiry@cim-med.com

Suggested mounting positions
Post and IV mounting options on the left, PDMS on the right side of the Maquet Flow I.
Product highlights

Non-height adjustable arm
Pivot and extended pivot arms offer full cable integration and easy cleaning for infection control in all critical care areas in the clinical environment. Our 5-years warranty guarantees reliable, trouble-free and maintenance-free operation. The swivel function at the fixing point as well as the tilt/ swivel function of the monitor adaptation offers optimum positioning of your device. The extended pivot arm is a two-part arm with central pivot point between the two arm sections. All bottom-mounted monitors have the safety feature of a 20° tilt stop.

Height adjustable arm
The height adjustable arm offers full cable integration, one-wipe clean surfaces and our 5-year warranty on the entirety of the product. Vertically and horizontally adjustable, the arm offers optimal positioning of your device. A constant viewing angle when vertically adjusted is guaranteed by a parallel linkage. Weight-optimized springs counter-balance the monitor without making any adjustments. All bottom-mounted monitors have the safety feature of a 20° tilt stop. Individual rotational stops may be integrated in any joint.

To provide the perfect combination of arm and monitor, the CIM articulated height adjustable arm has a simple quarter-turn lock to hold the arm safely in position when removing the monitor. Furthermore the arm is equipped with the unique safety feature of a slow-release gas spring. Should anybody try to remove the monitor before locking the arm in position, the arm will only rise at a slow and even tempo.
Left side

Post and IV mounting options

- Single mount
- Dual mount
### Left side: Post and IV mounting options

**Single mount with extended pivot arm**

| **Consisting of**          | Single adaptation to FLOW-i side rail  
                          | Extended pivot arm with ø 25 mm / 1” front pole adapter  
                          | Pole ø 25 mm / 1”, length 600 mm / 23.6” |
|--------------------------|----------------------------------------|
| **Colour**               | Aluminum parts RAL 9002 grey white  |
| **Max. load capacity**   | 11 kg / 24.3 lbs  |
| **Product weight**       | 4.4 kg / 9.7 lbs  |
| **Part number**          | MQ-H33030RR-FI1.2_600  |
Left side: Post and IV mounting options

Single mount with extended pivot arm

Technical data

FRONT VIEW

TOP VIEW
Maquet FLOW-i Single Mount Philips MP2/X2/X3 Version

**P-MQ-MP2-FI1**

Consisting of
- Single adaptation to FLOW-i side rail
- Extended pivot arm with Ø 25 mm / 1” front pole adapter
- Pole Ø 25 mm / 1”, length 600 mm / 23.6”
- Flush mount prepared to accept Philips MP2/X2/X3 with cable hook with 3 hooks and Ø 25 mm / 1” pole clamp

Max. load capacity 9 kg / 19.8 lbs
Product weight 5.9 kg / 13 lbs

Maquet FLOW-i Single Mount Plunge Plate Version

**P-MQ-A-FI1.C**

Consisting of
- Single adaptation to FLOW-i side rail
- Extended pivot arm with Ø 25 mm / 1” front pole adapter
- Pole Ø 25 mm / 1”, length 600 mm / 23.6”
- Cable hook with 3 hooks and Ø 25 mm / 1” pole clamp
- Flush mount with 5” plunge plate

Max. load capacity 8.5 kg / 18.7 lbs
Product weight 6.3 kg / 13.9 lbs

Colour to choose (C)
- bl = RAL 5013 (blue)
- gr = RAL 7024 (graphite grey)
Maquet FLOW-i Single Mount VESA 75/75 Version

P-MQ-C-FI1.C
Consisting of
- Single adaptation to FLOW-i side rail
- Extended pivot arm with φ 25 mm / 1” front pole adapter
- Pole φ 25 mm / 1”, length 600 mm / 23.6 “
- Cable hook with 3 hooks and φ 25 mm / 1” pole clamp
- Flush mount with VESA 75/75

Max. load capacity 8.5 kg / 18.7 lbs
Product weight 6.3 kg / 13.9 lbs

Colour to choose (C)
bl = RAL 5013 (blue)
gr = RAL 7024 (dark grey)

Maquet FLOW-i Single Mount VESA 75/100 Version

P-MQ-G-FI1.C
Consisting of
- Single adaptation to FLOW-i side rail
- Extended pivot arm with φ 25 mm / 1” front pole adapter
- Pole φ 25 mm/ 1”, length 600 mm / 23.6 “
- Cable hook with 3 hooks and φ 25 mm / 1” pole clamp
- Flush mount with VESA 75/100

Max. load capacity 8.5 kg / 18.7 lbs
Product weight 6.3 kg / 13.9 lbs

Colour to choose (C)
bl = RAL 5013 (blue)
gr = RAL 7024 (dark grey)
Left side: Post and IV mounting options

Dual mount with two pivot arms

Consisting of
- Dual adaptation to FLOW-i side rail
- 2 pivot arms with ø 25 mm / 1” front pole adapter
- Pole ø 25 mm / 1” with infusion bag hooks, length 1200 mm / 47.2 “

Colour
- Aluminum parts: RAL 9002 grey white

Max. load capacity
- 20 kg / 44.1 lbs

Product weight
- 8.1 kg / 17.9 lbs

Part number
- MQ-245RR-FI2.2_1200
Left side: Post and IV mounting options

Dual mount with two pivot arms

Technical data

FRONT VIEW

TOP VIEW
Maquet FLOW-i Dual Mount Philips Version

P-MQ-PH-FI2.C

Consisting of
- Dual adaptation to FLOW-i side rail
- 2 pivot arms with ø 25 mm/ 1” front pole adapter
- Pole ø 25 mm/ 1”, length 1.200 mm/ 47.2 “
- Flush mount prepared to accept Philips FMS
- Philips MP2/X2/X3 mount with cable hook with 3 hooks

Max. load capacity 17.5 kg/ 38.6 lbs
Product weight 10.1 kg/ 22.3 lbs

Colour to choose (C)
bl = RAL 5013 (blue)
gr = RAL 7024 (dark grey)
Right side

Monitor mounting options

- VESA bracket and keyboard tray
- VESA Adaptation
1. Choose the arm version required:
   - 431F = height adjustable arm with W-bracket
   - 73130F = extended height adjustable arm with W-bracket
   - 431M = height adjustable arm with Z-bracket
   - 73130M = extended height adjustable arm with Z-bracket

2. Choose the colour requested for decorative parts (C):
   - gr = RAL 7024 (dark grey)
   - bl = RAL 5013 (blue)

3. Specify the spring depending on the weight of your monitor/device (X):
   - W-bracket
     - 95 = 2.5 - 5.5 kg / 5.5 - 12.1 lbs
     - 130 = 6 - 10 kg / 13.2 - 22 lbs
     - 175 = 11 - 14 kg / 24 - 30.9 lbs
   - Z-bracket
     - 95 = 1.5 - 4.5 kg / 3.3 - 9.9 lbs
     - 130 = 5 - 9 kg / 11 - 19.8 lbs
     - 175 = 10 - 13 kg / 22 - 28.6 lbs

4. Specify the requested size of the keyboard tray and mouse (T):
   - Standard
     - 30 = 300 x 210 mm / 11.8 x 8.3”
     - 40 = 400 x 150 mm / 15.7 x 5.9”
     - 50 = 500 x 200 mm / 19.7 x 7.9”
     - 58 = 580 x 200 mm / 22.8 x 7.9”
     - RC = 480 x 220 mm (retractable mouse tray left/right 226 mm / 8.9”)
   - Magnetic
   - With wrist rest

Example

<table>
<thead>
<tr>
<th>Grounding</th>
<th>01 Arm version</th>
<th>02 Fixing</th>
<th>02 Colour</th>
<th>03 Spring tension</th>
<th>04 Keyboard tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>431F</td>
<td>10</td>
<td>C2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>431F</td>
<td>10</td>
<td>gr2</td>
<td>95</td>
<td>30</td>
</tr>
</tbody>
</table>
Right side: VESA adaptation

How to create part numbers

1. Choose the arm version required:
   - 431G = height adjustable arm
   - 73130G = extended height adjustable arm

2. Choose the colour requested for decorative parts (C):
   - gr = RAL 7024 (dark grey)
   - bl = RAL 5013 (blue)

3. Specify the spring depending on the weight of your monitor/device (X):
   - 60 = 2 - 5 kg / 4.4 - 11 lbs
   - 95 = 4 - 9 kg / 8.8 - 19.8 lbs
   - 130 = 7.5 - 13 kg / 16.5 - 28.7 lbs
   - 175 = 13 - 16 kg / 28.7 - 35.3 lbs

---

Example

<table>
<thead>
<tr>
<th>Grounding</th>
<th>01 Arm version</th>
<th>Fixing</th>
<th>02 Colour</th>
<th>03 Spring tension</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>-</td>
<td>-</td>
<td>.</td>
<td>C2</td>
</tr>
<tr>
<td>A</td>
<td>-</td>
<td>-</td>
<td>. gr2</td>
<td>_ 95</td>
</tr>
</tbody>
</table>

A - 431G - 10 . C2 _ X
A - 431G - 10 . gr2 _ 95
Right side: VESA bracket and keyboard tray

Height adjustable arm with W-bracket

<table>
<thead>
<tr>
<th>Monitor / keyboard adaption</th>
<th>W-bracket VESA 75/100 and keyboard / mouse tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colours</td>
<td>decorative parts: RAL 5013 blue / RAL 7024 dark grey (C)</td>
</tr>
<tr>
<td></td>
<td>aluminum parts: RAL 9002 grey white</td>
</tr>
<tr>
<td>Max. load capacity support arm</td>
<td>13 kg / 28.7 lbs</td>
</tr>
<tr>
<td>Max. load monitor adaptation</td>
<td>13 kg / 28.7 lbs</td>
</tr>
<tr>
<td>Product weight</td>
<td>5.4 - 7 kg / 11.9 - 15.4 lbs (accoring to dimensions of keyboard tray)</td>
</tr>
<tr>
<td>Height adjustment</td>
<td>slow-flowing spring, parallel linkage for a constant viewing angle</td>
</tr>
<tr>
<td>Balancing range</td>
<td>950 N (2.5 - 5.5 kg / 5.5 - 12.1 lbs); 1300 N (6 - 10 kg / 13.2 - 22 lbs); 1750 N (11 - 14 kg / 24 - 30.9 lbs) (X)</td>
</tr>
<tr>
<td>Keyboard tray dimension</td>
<td>300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm, 480 x 220 mm</td>
</tr>
<tr>
<td></td>
<td>11.8 x 8.3”, 15.7 x 5.9”, 19.7 x 7.9”, 22.8 x 7.9”, 18.9 x 8.7” (T)</td>
</tr>
<tr>
<td>Part number</td>
<td>A-431F-10.C2_X_T</td>
</tr>
</tbody>
</table>
Right side: VESA bracket and keyboard tray

Height adjustable arm with W-bracket

Technical data

FRONT VIEW

TOP VIEW
**Right side: VESA bracket and keyboard tray**

**Extended height adjustable arm with W-bracket**

- **Monitor / keyboard adaption**: W-bracket VESA 75/100 and keyboard / mouse tray
- **Colours**:
  - decorative parts: RAL 5013 blue / RAL 7024 dark grey (C)
  - aluminum parts: RAL 9002 grey white
- **Max. load capacity support arm**: 8 kg / 17.6 lbs
- **Max. load monitor adaptation**: 8 kg / 17.6 lbs
- **Product weight**: 7.3 - 9 kg / 16.1 - 19.8 (accoring to dimensions of keyboard tray)
- **Height adjustment**: slow-flowing spring, parallel linkage for a constant viewing angle
- **Balancing range**: 950 N (2.5 - 5.5 kg / 5.5 - 12.1 lbs); 1300 N (6 - 10 kg / 13.2 - 22 lbs) (X)
- **Keyboard tray dimension**: 300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm, 480 x 220 mm
  - 11.8 x 8.3”, 15.7 x 5.9”, 19.7 x 7.9”, 22.8 x 7.9”, 18.9 x 8.7” (T)
- **Part number**: A-73130F-10.C2_X_T
Right side: VESA bracket and keyboard tray

Extended height adjustable arm with W-bracket

Technical data

FRONT VIEW

TOP VIEW
Right side: VESA bracket and keyboard tray

Height adjustable arm with Z-bracket

<table>
<thead>
<tr>
<th>Monitor / keyboard adaption</th>
<th>Z-bracket VESA 75/100 and keyboard / mouse tray</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colours</td>
<td>decorative parts RAL 5013 blue / RAL 7024 dark grey (C)</td>
</tr>
<tr>
<td></td>
<td>aluminum parts RAL 9002 grey white</td>
</tr>
<tr>
<td>Max. load capacity support arm</td>
<td>13 kg / 28.7 lbs</td>
</tr>
<tr>
<td>Max. load monitor adaptation</td>
<td>13 kg / 28.7 lbs</td>
</tr>
<tr>
<td>Product weight</td>
<td>6.4 - 8 kg / 14.1 - 17.6 lbs (according to dimensions of keyboard tray)</td>
</tr>
<tr>
<td>Height adjustment</td>
<td>slow-flowing spring, parallel linkage for a constant viewing angle</td>
</tr>
<tr>
<td>Balancing range</td>
<td>950 N (1.5 - 4.5 kg / 3.3 - 9.9 lbs); 1300 N (5 - 9 kg / 11 - 19.8 lbs); 1750 N (10 - 13 kg / 22 - 28.6 lbs) (X)</td>
</tr>
<tr>
<td>Keyboard tray dimension</td>
<td>300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm, 480 x 220 mm</td>
</tr>
<tr>
<td></td>
<td>11.8 x 8.3&quot;, 15.7 x 5.9&quot;, 19.7 x 7.9&quot;, 22.8 x 7.9&quot;, 18.9 x 8.7&quot; (T)</td>
</tr>
<tr>
<td>Part number</td>
<td>A-431M-10.02_X_T</td>
</tr>
</tbody>
</table>
Right side: VESA bracket and keyboard tray

Height adjustable arm with Z-bracket

Technical data

FRONT VIEW

TOP VIEW
Right side: VESA bracket and keyboard tray

Extended height adjustable arm with Z-bracket

Monitor / keyboard adaption: Z-bracket VESA 75/ 100 and keyboard/ mouse tray

Colours:
- decorative parts: RAL 5013 blue / RAL 7024 dark grey (C)
- aluminum parts: RAL 9002 grey white

Max. load capacity support arm: 8 kg / 17.6 lbs
Max. load monitor adaptation: 8 kg / 17.6 lbs
Product weight: 8.3 - 10 kg / 18.3 - 22 lbs (according to dimensions of keyboard tray)

Height adjustment: slow-flowing spring, parallel linkage for a constant viewing angle

Balancing range: 950 N (1.5 - 4.5 kg / 3.3 - 9.9 lbs); 1300 N (5 - 9 kg / 11 - 19.8 lbs) (X)

Keyboard tray dimension:
- 300 x 210 mm, 400 x 150 mm, 500 x 200 mm, 580 x 200 mm, 480 x 220 mm
- 11.8 x 8.3”, 15.7 x 5.9”, 19.7 x 7.9”, 22.8 x 7.9”, 18.9 x 8.7” (T)

Part number: A-73130M-10.C2_X_T
Right side: VESA bracket and keyboard tray

Extended height adjustable arm with Z-bracket

Technical data

FRONT VIEW

TOP VIEW
## Right side: VESA adaptation

### Height adjustable arm

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitor adaptation</td>
<td>VESA 75/100</td>
</tr>
<tr>
<td>Colours</td>
<td>decorative parts: RAL 5013 blue / RAL 7024 dark grey (C)</td>
</tr>
<tr>
<td></td>
<td>aluminum parts: RAL 9002 grey white</td>
</tr>
<tr>
<td>Max. load capacity support arm</td>
<td>15 kg / 33.1 lbs</td>
</tr>
<tr>
<td>Max. load monitor adaptation</td>
<td>15 kg / 33.1 lbs</td>
</tr>
<tr>
<td>Product weight</td>
<td>3.9 kg / 8.6 lbs</td>
</tr>
<tr>
<td>Height adjustment</td>
<td>slow-flowing spring, parallel linkage for a constant viewing angle</td>
</tr>
<tr>
<td>Balancing range</td>
<td>600 N (2 - 5 kg / 4.4 - 11 lbs); 950 N (4 - 9 kg / 8.8 - 19.8 lbs); 1300 N (7.5 - 13 kg / 16.5 - 28.7 lbs); 1750 N (13 - 16 kg / 28.7 - 35.3 lbs) (X)</td>
</tr>
<tr>
<td>Part number</td>
<td>A-431G-10.C2_X</td>
</tr>
</tbody>
</table>
Right side: VESA adaptation

Height adjustable arm

Technical data

FRONT VIEW

TOP VIEW
Right side: VESA adaptation

Extended height adjustable arm

| Monitor adaption | VESA 75/100 |
| Colours          | decorative parts RAL 5013 blue / RAL 7024 dark grey (C) |
|                  | aluminum parts RAL 9002 grey white |
| Max. load capacity support arm | 12 kg / 26.5 lbs |
| Max. load monitor adaptation | 12 kg / 26.5 lbs |
| Product weight   | 5.8 kg / 12.8 lbs |
| Height adjustment | slow-flowing spring, parallel linkage for a constant viewing angle |
| Balancing range  | 600 N (2 - 5 kg / 4.4 - 11 lbs); 950 N (4 - 9 kg / 8.8 - 19.8 lbs); 1300 N (7.5 - 13 kg / 16.5 - 28.7 lbs) (X) |
| Part number      | A-73130G-10.C2_X |
Right side: VESA adaptation

Extended height adjustable arm

Technical data

**FRONT VIEW**

![Front View Diagram](image)

**TOP VIEW**

![Top View Diagram](image)