TECHNIMOUNT
EMS®

BRACKET PRO SERIE® 380 – GR

USER MANUAL

SAFETY AND FLEXIBILITY
WHERE IT MATTERS MOST

Copyrights

Trademarks

Product and medical device manufacturer names are Trademarks™ or Registered Trademarks® of their respective holders.

- Technimount EMS® and Bracket Pro Serie® are registered trademarks of Technologies CGC Inc.
- Oxivir® is a registered trademark of Diversey.
- Lavo® is a registered trademark of KIK Holdco Company, Inc.

For any issues with your Technimount product, its components, or for any technical questions during the installation, operation, or maintenance, please contact Technical Support at techsupport@technimount.com.

Contact Information

Technimount E.M.S. Holding Inc.

C/O: Regulatory Affairs

3770 Jean Marchand Street, Suite 100-C

Quebec (Quebec) G2C 1Y6

Canada

customerservice@technimount.com

techsupport@technimount.com

legal@technimount.com

www.technimount.com

T + 1 581 700-6613

SF + 1 888 639-2758

Table of Contents

1. General Mentions and Considerations

This user manual includes detailed product information, standards and guidelines to assist the administrator/ manager/supervisor and biomedical technician (or equivalent) with the unpacking, assembling (when indicated), maintenance, training and skills assessment of the EMS and clinical personnel , as well as specific user-related information to safely and effectively operate the Bracket Pro Serie 380 – GR (hereinafter called BP380 – GR).

Please read the user manual thoroughly to fully assess, comprehend, then relay its content to EMS and clinical personnel during training, to warn them of any potential danger of its abuse, how to safely use the product and provide a safe environment for patients as well as themselves. Your established internal protocols should be updated to include the Technimount product(s) standards, guidelines, requirements and safety recommendations included within this documentation. The user manual should remain available to users when needed and relayed if the product is subsequently sold.

NOTE : Technimount continually seeks advancements in product design and quality. While the user manual contains the most updated product information available at the time of printing, it may contain minor differences from the current version, including image references. For more information, please contact Technical Support at techsupport@technimount.com.

NOTE : Technimount reserves the right to change part numbers and products without notice. Please contact Customer Service at customerservice@technimount.com to ensure product options and availability.

1.1. Intended Use

The BP380 – GR is designed to aid trained EMS and clinical personnel to secure and transport the Meduvent Standard ventilator, with or without a protective and transport bag, during ground emergency medical services and critical care transport.

1.2. User Competency

To safely operate the BP380 – GR, personnel must have the required skill level to comply with their function and level of interaction with the mounting bracket. Training should be given to EMS and clinical personnel prior to them using the BP380 – GR. Refer to the « Skills Assessment of the EMS and clinical personnel » section on page 25 to evaluate their competency.

Indicates who the content is intended for and the level of competency required. The definitions of the three (3) levels of competency are specified below.

- Competent **(trained EMS and clinical personnel):** Has received the required training, is sufficiently knowledgeable to safely operate the product and have passed the skills assessment (refer to the « Skills Assessment of the EMS and clinical personnel » section on page 25).

  NOTE : Any member of the EMS and clinical personnel who has not received the required training and lacks the knowledge needed to safely operate the mounting bracket must **not** use the product.

- Proficient **(administrator/manager/supervisor):** Has in-depth knowledge and product comprehension, and

is familiar with standards and guidelines. Skilled to train EMS and clinical personnel on how to safely use the product.

- Advanced **(biomedical technician or equivalent):** Has extensive mechanical experience. Skilled to perform the unpacking, assembly, safety checks and condition-based maintenance procedures as detailed herein, or the basic troubleshooting, upgrade and/or replacement procedures if applicable.

1.3. Warranties

1.3.1. Warranty Policy

This statement constitutes Technimount's entire warranty policy with regards to Technimount products. Technimount makes no other warranty or representation, neither expressed nor implied, except as stated herein. There is no warranty of merchantability or warranty of fitness for any particular purpose. Under no circumstances will Technimount be held liable hereunder for incidental or consequential damages, arising from or in any manner, related to sales or use of any such product.

Technimount E.M.S. Holding Inc. guarantees to the original "Purchaser" of the "Product" with which this "Limited warranty" is included, that the product will be free from "Defects" in workmanship and materials under normal use for a "Warranty period" of one (1) year from the product purchase date by the purchaser. During the warranty period, the product will be repaired or replaced according to the "Limited warranty" without charge to the purchaser for parts or labor. The parts and product may be repaired or replaced with new or refurbished parts or products. Herein this Limited Warranty, "Refurbished" means parts and products which have been returned to the factory, specifically. If the product is repaired or replaced within the warranty period, the greater of the remaining warranty period will apply, or three (3) months from the date of repair or replacement. If the product is repaired or replaced after the warranty period has expired, the warranty period for the repair or replacement will expire three (3) months after the repair or replacement date.

1.3.2. Limited Warranty

Technimount products are intended to secure in place medical devices only in the case of a single crash impact, and must thereafter be immediately replaced. If the end user uses a Technimount product following a single crash impact, it is at the end user's own risk, and Technimount will not be held liable.

The limited warranty does not apply to normal wear that could result from normal use. It does not apply when the product or any of its components have been disassembled or repaired by someone not authorized by "Technimount". It does not cover repair or the replacement of any product or part thereof damaged by neglect, misuse, moisture, liquids, exposure to heat, accidents, abuse, and non-compliance with the instructions for installation and use provided with the product. It does not cover physical damage to the surface of the product. The decision to repair, replace or refuse the coverage is final and at the sole discretion of Technimount, without any compensation or obligation from Technimount. The product, defined as a "mounting bracket" or "bracket", is specifically designed to secure and transport the Meduvent Standard ventilator, with or without a protective and transport bag, during ground emergency medical services and critical care transport, and should only be used to fill this requirement. Any other use will void the warranty and Technimount shall not be held liable on any claim if the product has been modified or adapted for use.

1.3.3. International Warranty Clause

This warranty abides by the Canadian domestic policy. Warranty outside Canada may vary by country. Please contact Customer Service at customerservice@technimount.com for more information.

1.3.4. User Liability

The purchaser and administrator are responsible to validate regulations and standards for safety in their region, to comply with applicable safety regulations. Technimount is not responsible to inform the purchaser or the administrator of any applicable legislation for safety in their area.

The administrator is responsible for providing proper training to any personnel who will install, operate and perform maintenance on Technimount products.

1.4. Claims

1.4.1. Damaged or Defective Merchandise

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of the reception date. **Do not** accept damaged merchandise unless such damage is noted on the delivery receipt at the time of reception. Upon prompt notification, Technimount will file a freight claim with the appropriate carrier for damages incurred. Claims are limited in amount to the actual replacement cost. If the claim has not been received by Technimount within the fifteen (15) day period following the date of delivery, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for the full payment of the original invoice.

Claims for any short or broken merchandise must be made within thirty (30) days of invoicing. For details, refer to the « Claim Process » section on page 8 or contact Customer Service at customerservice@technimount.com.

1.4.2. Return Policy

Technimount products may be returned up to sixty (60) days from the reception date, if:

- The received product does not match what was originally ordered.
- The product does not meet the Technimount technical sheet specifications.
- The product is not compatible with the system on which it was intended to be installed on.

To return a Technimount product,

- A Return of Merchandise Authorized (RMA) must be requested and approved by Technimount prior to returning the product.
- Products must be returned undamaged and in its original packaging, appropriately identified with the approved RMA number. Returns will not be approved on a modified or damaged item.
- Charges may apply if the package received is damaged or items are missing.
- Purchaser is responsible for a restocking fee (refer to « Table 1: Restocking fees » on page 8).

Table 1: Restocking fees

RESTOCKING FEES	
Prior to thirty (30) days	10%
Prior to forty-five (45) days	25%
Prior to sixty (60) days	30%

For any manufacturing defect, refer to the conditions within the warranty policy or contact Customer Service at customerservice@technimount.com for additional information.

1.4.3. Return of Material Authorization (RMA)

The Technimount Customer Service department is responsible for all merchandise returns and will provide a Return of Merchandise Authorization (RMA) number, upon approval. The RMA must be printed and placed on the returned merchandise. Technimount reserves the right to charge shipping and restocking fees (refer to Table 1) for the returned items. Special, modified, or discontinued items are not subject to returns.

1.4.4. Claim Process

Upon reception of the returned merchandise, a thorough inspection will be performed. If the merchandise is compliant with the return policy or it is found that the product is defective, Technimount will take corrective actions and close the claim. If, however, it is found that the product is not defective, but rather misused or abused, the product will not be covered by the warranty. Details of our findings and conclusions will be provided shortly thereafter. To submit a claim, contact Customer Service at customerservice@technimount.com to obtain a Return of Material Authorization (RMA) form and return instructions.

2. General Safety Guidelines

The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Pictograms, safety symbols and labels are used to alert the user to a potentially hazardous situation, which, if not avoided, may endanger the patients or the EMS and clinical personnel, and/or damage the product. This includes the special care necessary for the safe and effective use of the Technimount product to avoid damage that may occur from use or misuse.

The terms "Warning" and "Caution" herein carry special meaning and should be carefully reviewed before reading the « Safety Measures » section on page 11.

WARNING – Indicates a hazardous situation that, if not avoided, could result in death or serious injury, and/or damage the product.

CAUTION – Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury, and/or damage the product.

2.1. Symbols and Definitions

WARNING – Risk of Injury

Indicates when a misuse of the Technimount product could result in injuries to the patients or EMS and clinical personnel, and/or damage to the product.

CAUTION – Safe Practice

Alerts the reader to pay special attention to the recommendations and methods outlining how to safely operate the product to minimize risks to the patients, the EMS and clinical personnel, and/or to the product.

CAUTION – Safe Handling and Operation

Alerts the reader to pay special attention to the recommendations for safe use of the product, and of potentially hazardous situations that could result in minor injuries to the patients or the EMS and clinical personnel. This includes the special care necessary for the safe and effective use of the product to avoid damage that may occur from use or misuse.

CAUTION – Safe Working Load (SWL)/Load Balance

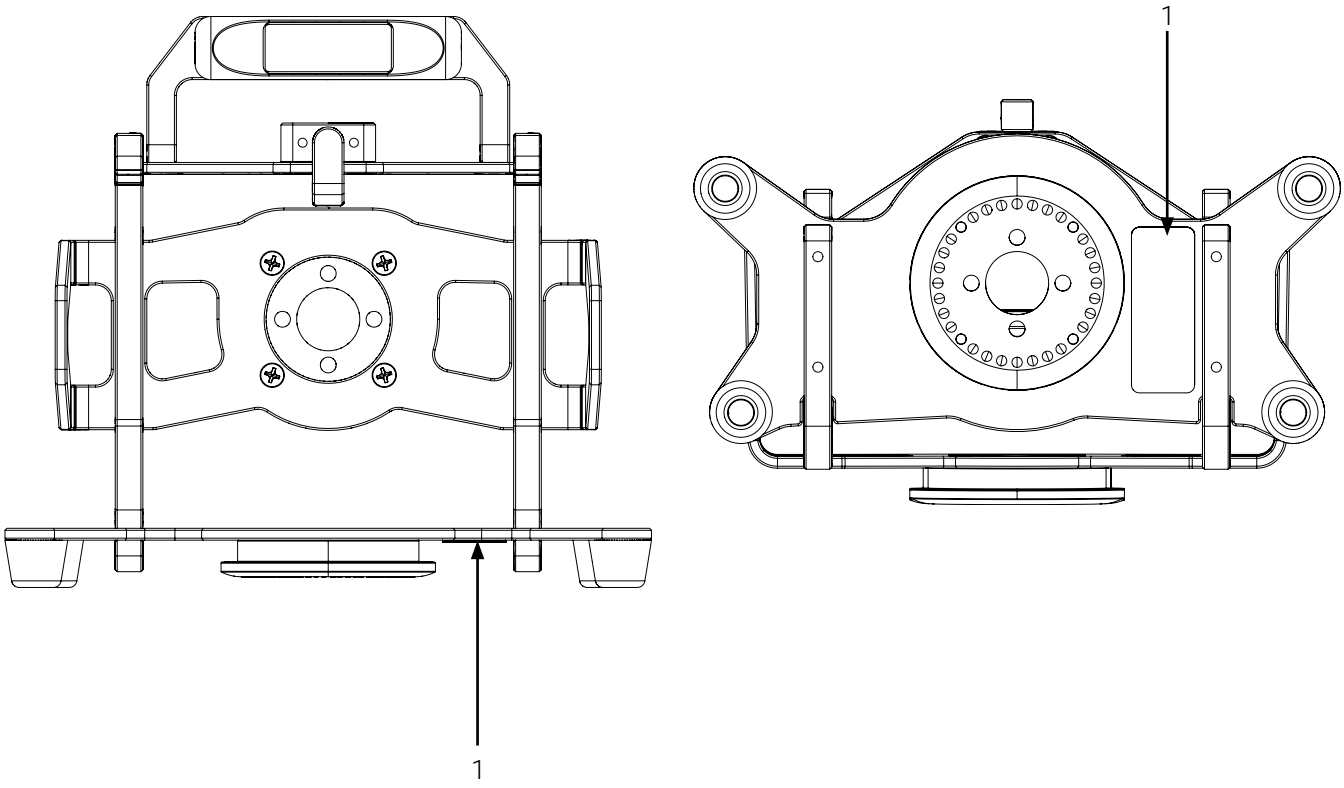
Indicates the maximum charge for a safe use of the product.

CAUTION – Follow Instructions for Use

Call for action. Reminds the reader to consult the user manual for information.

2.2. Labels

Labelling on the surface of the Technimount product, quickly identify potential risks and provides information to the user. A manufacturing label, including the serial numbers and a safe working load specification (Figure 1), can be seen on the Technimount product.



1. Manufacturing label

Figure 1: Location of the manufacturing label

2.3. Safety Measures

Carefully read all the safety measures herein before operating the Technimount product, and always abide by all the safety guidelines identified within this document.

Specific safety measures relating to the safety checks and conditioned-based maintenance, intended for personnel who have an advanced level of competency, can be found in the « Maintenance » section on page 37.

WARNING – Unauthorized Systems

- **Under no circumstances** should the BP380 – GR be installed on, connected to, or used in combination with any third party/competitor mounting system, medical device and protective and transport bag, or similar equipment, unless Technimount has provided a formal written confirmation of compatibility for the specific configuration.
- The BP380 – GR was specifically engineered to be used with the Meduvent Standard ventilator and protective and transport bag. Using any other medical device may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the EMS and clinical personnel.
- The BP380 – GR was engineered and tested exclusively for use with specific authorized and compatible Technimount components and systems. Using any unauthorized and/or incompatible system may cause the equipment to fall, operate unpredictably, or fail, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Technimount assumes no responsibility for any damage, malfunction, or injury arising from use of unauthorized or incompatible systems. Using any unauthorized and/or incompatible system may result in non-compliance with the applicable safety standards and will immediately void all warranties and liability coverage.
- Technimount products are intended for use only within their defined applications, including but not limited to, emergency medical services, critical care transport, and approved healthcare environments. Refer to the « Technical Specifications » section on page 13.
- Regulations and standards for safety are the sole responsibility of the end user. Ensure that your established internal protocols are updated and meet the technical specifications requirements herein (refer to the « Technical Specifications » section on page 13), as well as the local and regional compliance requirements before use.

WARNING – Risk of Injury

- **Do not** use the BP380 – GR if there are any loose or missing screws, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Immediately stop using the BP380 – GR if any serious incident occurs and inform authorized personnel, to contact the Technical Support at technicalsupport@technimount.com for a remedial action plan and to report the incident to the applicable regulatory agency.

CAUTION – Safe Handling and Operation

- Always ensure that the medical device is secured in the BP380 – GR before it is moved, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Always ensure that the BP380 – GR is secured in the mounting system before it is moved, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.
- Always pay close attention **not to wedge** the power cords or tubing during the installation/removal of the mounting bracket, medical device and/or accessories.

CAUTION – Safe Practice

- Always pay close attention to the condition of the safety mechanism of the BP380 – GR, to avoid risks that may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel. Follow the recommended maintenance plan and its guidelines, as described in this user manual.
- Always practice safely operating the BP380 – GR until the manipulations have been perfected, before use with patients. Improper use of the mounting bracket may cause damage or the equipment to fall or operate unpredictably, resulting in serious injury to the patients or to the EMS and clinical personnel.

CAUTION – Safe Working Load (SWL)/Load Balance

- **Do not overload or exceed** the total Safe Working Load (SWL) of the BP380 – GR, to avoid tipping incidents or risks of collapsing. Refer to the « Technical Specifications » section on page 13 for the SWL specifications.
- The Safe Working Load (SWL) of the BP380 – GR **does not override** the maximum load capacity of another Technimount product or system, neither those of the medical devices, accessories and/or medical equipment accessories that could be placed in bags and drawers for example. To comply with the SWL specification, the entire configuration should be taken into account. Refer to the user documentation of each product applicable to your specific configuration for specifications.

CAUTION – Follow the Instruction for Use

Always refer to your established internal protocols, as well as read and abide by the safety guidelines and instructions provided in the user documentation of the BP380 – GR, the mounting system, the medical device, and the accessories, as well as in your established internal protocols.

3. Technical Specifications

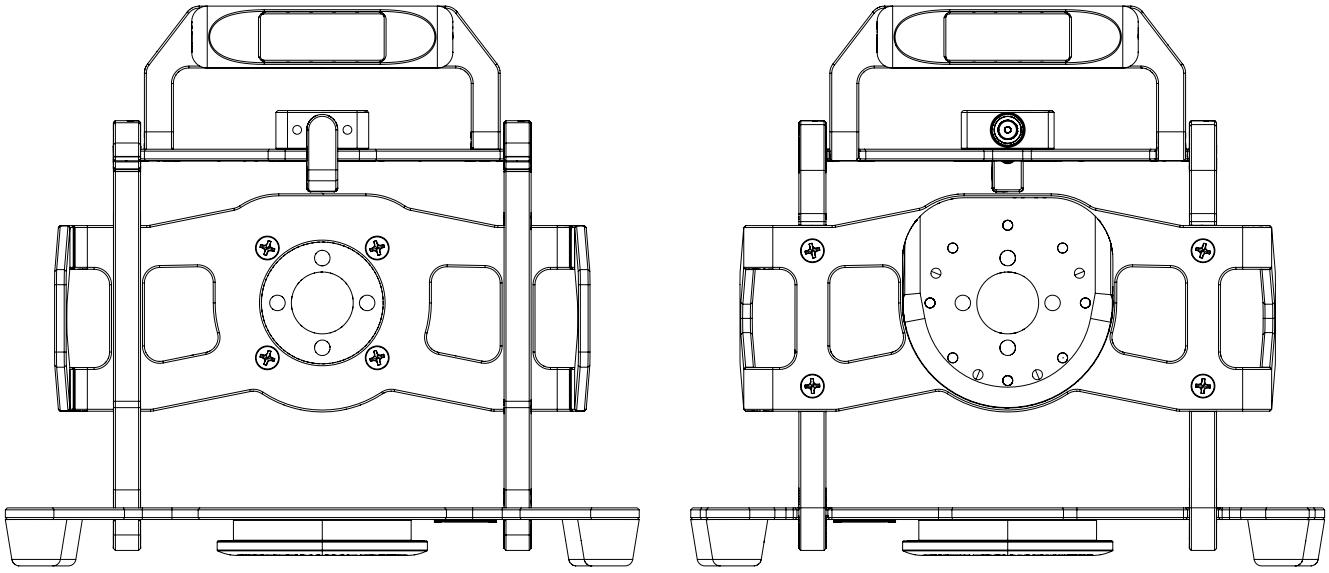
The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Product Name	Bracket Pro Serie 380 – GR
Description	Mounting bracket specifically designed to secure and transport the Meduvent Standard ventilator, with or without a protective and transport bag, during ground emergency medical services and critical care transport
Product Code	3800-10-MDV
Operating Environment	EMS/CCT (ground)
Compliances	Tested in compliance with SAE J3043 and AMD-028
Expected Service Life	5 years
Compatible Mounting Systems	Micro Base
Compatible Medical Device	WeinMann Meduvent Standard ventilator
Compatible Accessories	- Spacer 810-00-MDV-WOB - Compatible WeinMann Meduvent protective and transport bags
Dimensions (W X D X H)	260.22 mm (10.25 in.) W X 161.82 mm (6.37 in.) D X 229.79 mm (9.05 in.) H
Weight	1.4 kg (3.1 lb)
Composition	Aluminum and plastic
Total Safe Working Load (SWL)	3.1 kg (6.8 lb)
Operating Temperature	- 35° C to 45° C (- 31° F to 113° F)
Tested and Approved Cleaning Solutions	- Oxivir, 5% Hydrogen Peroxide with Peracetic Acid (AHP) - Lavo 12, 10 000 ppm Sodium Hypochlorite - TNT-100, 5% Quaternary Ammonium Compound - Spectro-Sept, 5% Ethyl Alcohol - Spectrol, 5% EDTA salt
Options	N/A

4. Orientation Diagrams

The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

The orientations referenced herein are from the EMS and clinical personnel standpoint, when facing the mounting bracket (Figure 2).



Front of the mounting bracket

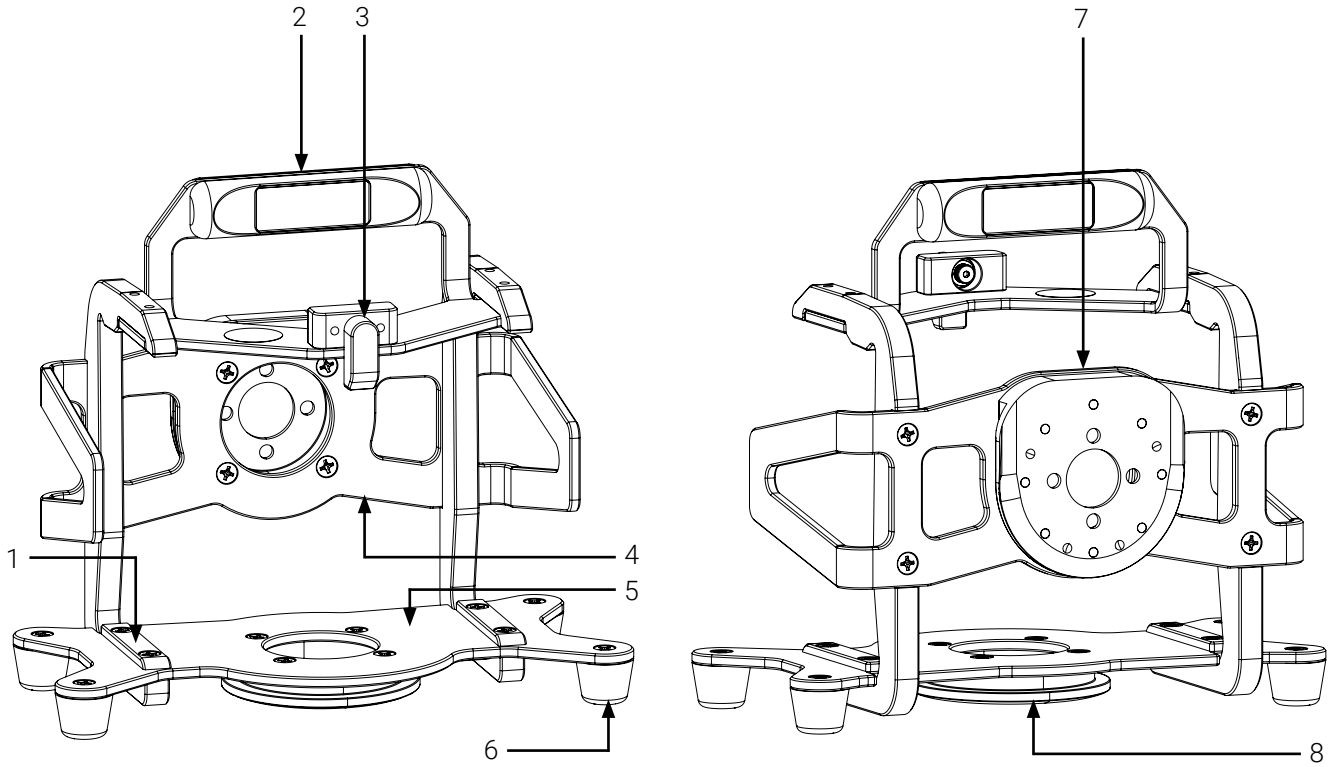
Back of the mounting bracket

Figure 2: BP380 – GR orientation illustration

5. Illustrated Parts

The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Figure 3 illustrates the components of the BP380 – GR.



1. Spacer (2X; installed only if **not** using a protective and transport bag)
2. Handle
3. Quarter-turn latch
4. Back plate
5. Bottom plate
6. Foot (4X)
7. Anti-rotation micro disc
8. Micro disc

Figure 3: BP380 – GR components

6. Illustrated Specifications

The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Figure 4 illustrates the dimensions of the BP380 – GR

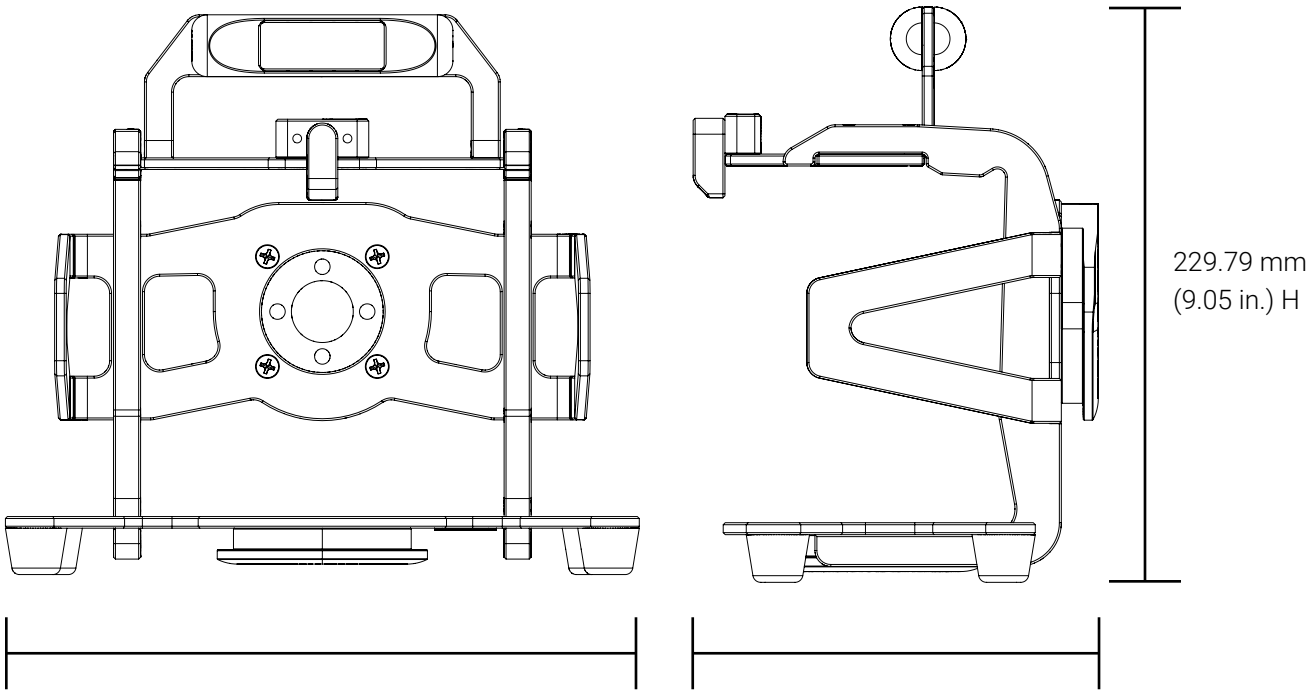


Figure 4: BP380 – GR dimensions

7. Safety Mechanism

The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

The safety mechanism of the BP380 – GR is composed of a quarter-turn latch locking mechanism. In the "Locked" position, the medical device is locked and secured in the mounting bracket. In one (1) of the three (3) "Unlocked" positions, the medical device can be inserted and/or removed from the bracket.

7.1. Lock the BP380 – GR

Turn the quarter-turn latch clockwise or counterclockwise until the latch is pointing downwards in the "Locked" position (Figure 5).

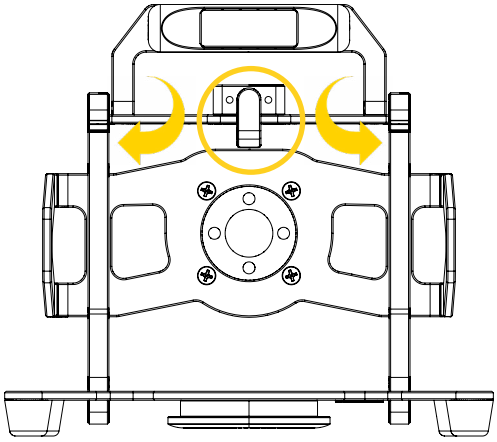


Figure 5: "Locked" position

The BP380 – GR is locked.

7.2. Unlock the BP380 – GR

Turn the quarter-turn latch clockwise or counterclockwise until the latch is pointing towards one (1) of the three (3) "Unlocked" positions (Figure 6).

(A) (B) (C)

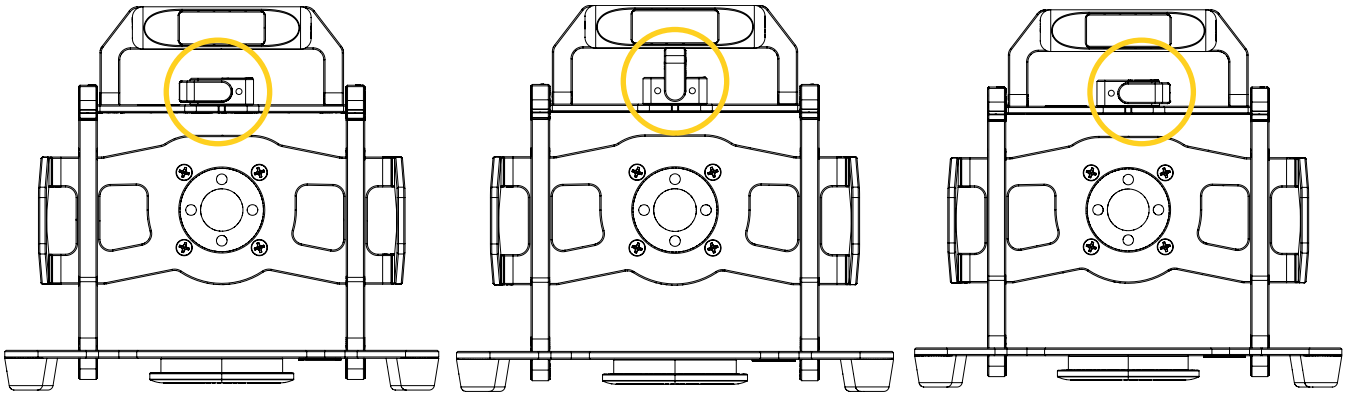


Figure 6: "Unlocked" positions

The BP380 – GR is unlocked.

8. Operate the BP380 – GR

The content in this section is intended for personnel who have a competent, proficient or advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

NOTE : The illustrations herein are for user-comprehension purposes and may differ from your actual configuration. The instructions apply to any compatible mounting system and medical device. Refer to their user documentation for the safety guidelines and safe use, if needed.

8.1. Install the Medical Device in the BP380 – GR

1. If using a protective and transport bag, flip the PVC flap forward. Refer to the bags' user documentation if needed.
2. Unlock the BP380 – GR using the quarter-turn latch (Figure 7). Refer to the « Unlock the BP380 – GR » section on page 18 if needed.

(A) (B)

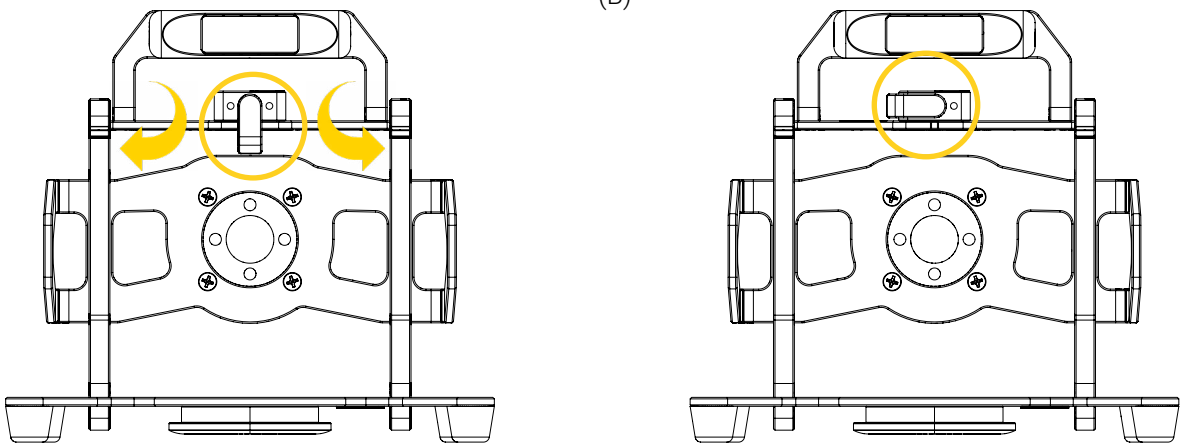


Figure 7: Unlocking the BP380 – GR

3. Insert the medical device in the mounting bracket horizontally and push it on the bottom plate until it is pressed against the back plate (Figure 8).

(A) (B)

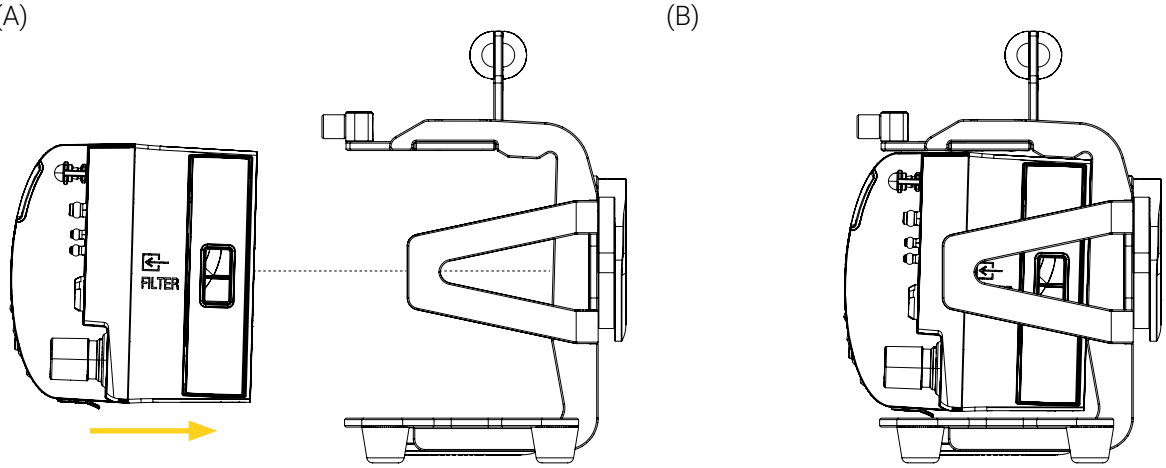


Figure 8: Installing the medical device in the BP380 – GR

4. Lock the mounting bracket using the quarter-turn latch (Figure 9). Refer to the « Lock the BP380 – GR » section on page 17 if needed.

(A) (B)

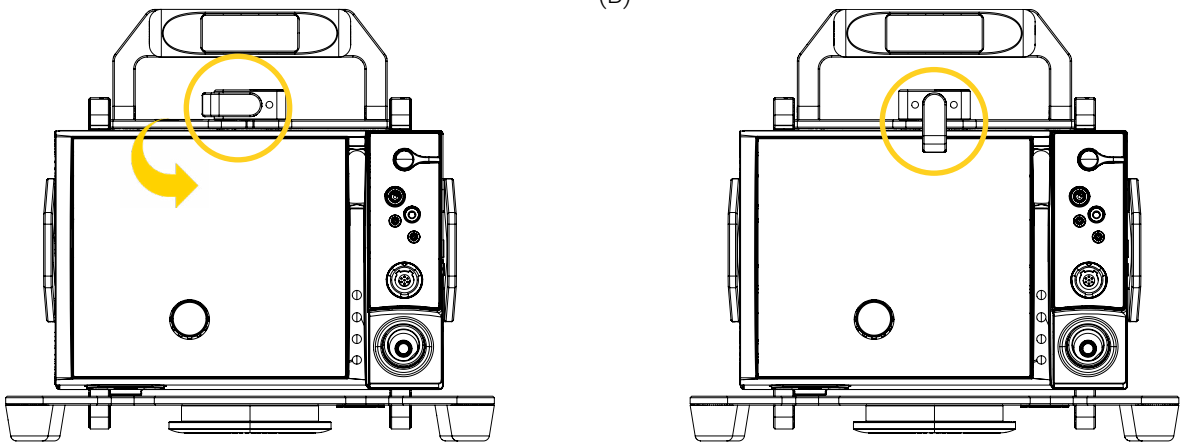


Figure 9: Medical device installed in the BP380 – GR

5. Move the medical device back and forth a few times to ensure it is locked and secured in the mounting bracket. If the device stays in the bracket after the verification, it is locked and secured.
6. If using a protective and transport bag, flip the PVC flap over the medical device and attach it to the top flap, ensuring that the magnets are stuck together. Refer to the bags' user documentation if needed.

The installation of the medical device in the BP380 – GR is complete.

8.2. Remove the Medical Device from the BP380 – GR

1. If using a protective and transport bag, flip the PVC flap forward. Refer to the bags' user documentation if needed.
2. Unlock the BP380 – GR using the quarter-turn latch (Figure 10). Refer to the « Unlock the BP380 – GR » section on page 18 if needed.

(A) (B)

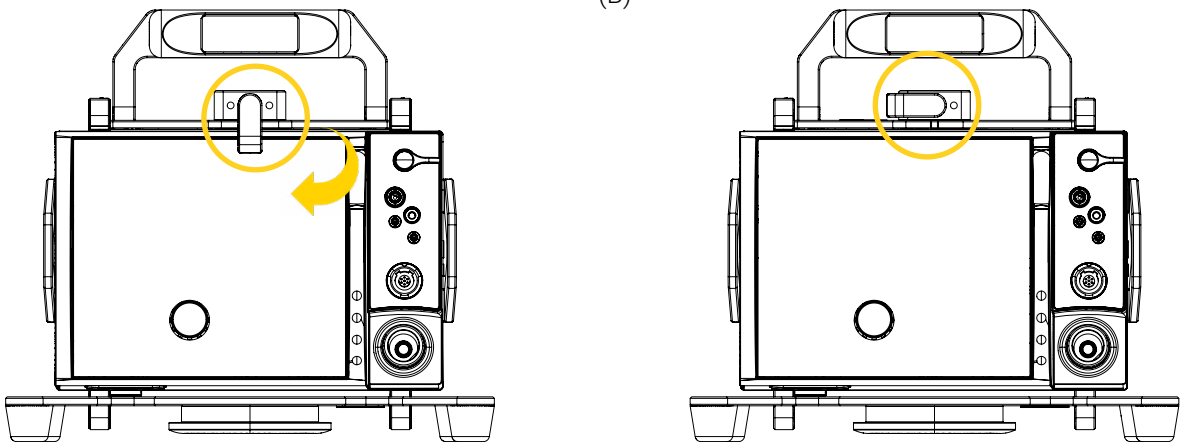


Figure 10: Unlocking the BP380 – GR

3. Pull the medical device out of the mounting bracket horizontally (Figure 11).

(A) (B)

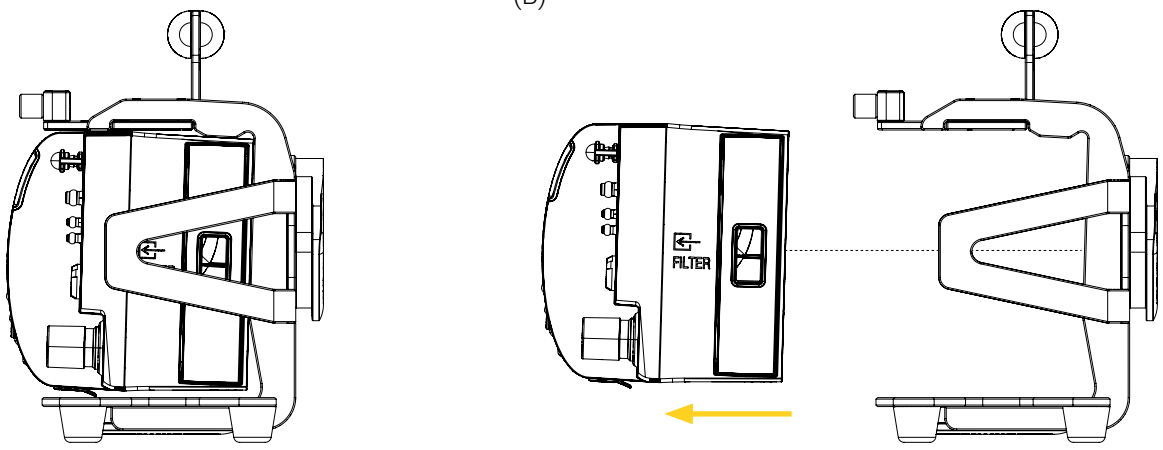


Figure 11: Removing the medical device from the BP380 – GR

4. Set the medical device aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.
5. If using a protective and transport bag, flip the PVC flap over the medical device and attach it to the top flap, ensuring that the magnets are stuck together. Refer to the bags' user documentation if needed.

The removal of the medical device from the BP380 – GR is complete.

8.3. Install the Medical Device in the Mounting System

1. Align and insert the micro disc located under the mounting bracket of the medical device in the mounting system horizontally (Figure 12) or the anti-rotation micro disc located at the back of the mounting bracket in the bracket vertically (Figure 13) until it locks.

(A) (B)

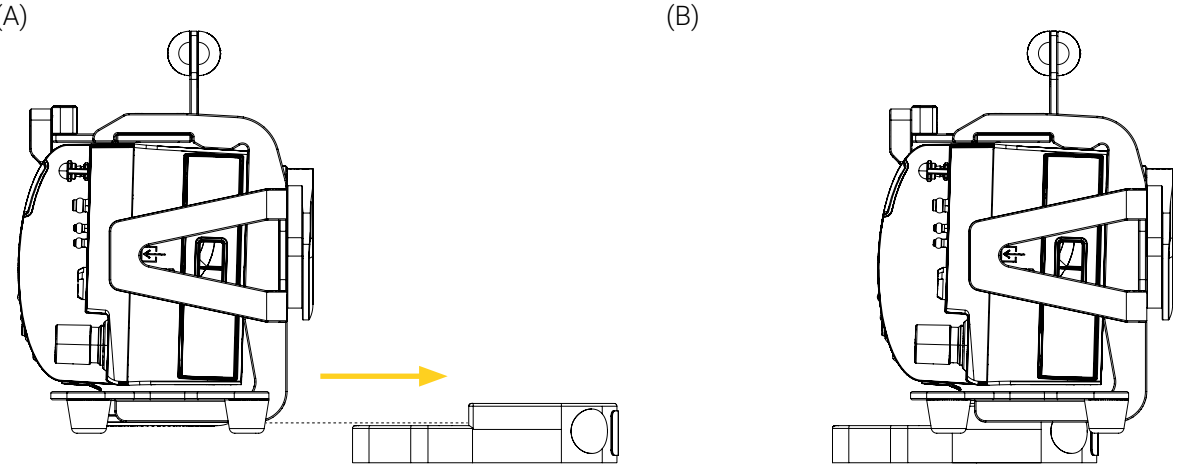


Figure 12: Installing the medical device in the mounting system horizontally

(A) (B)

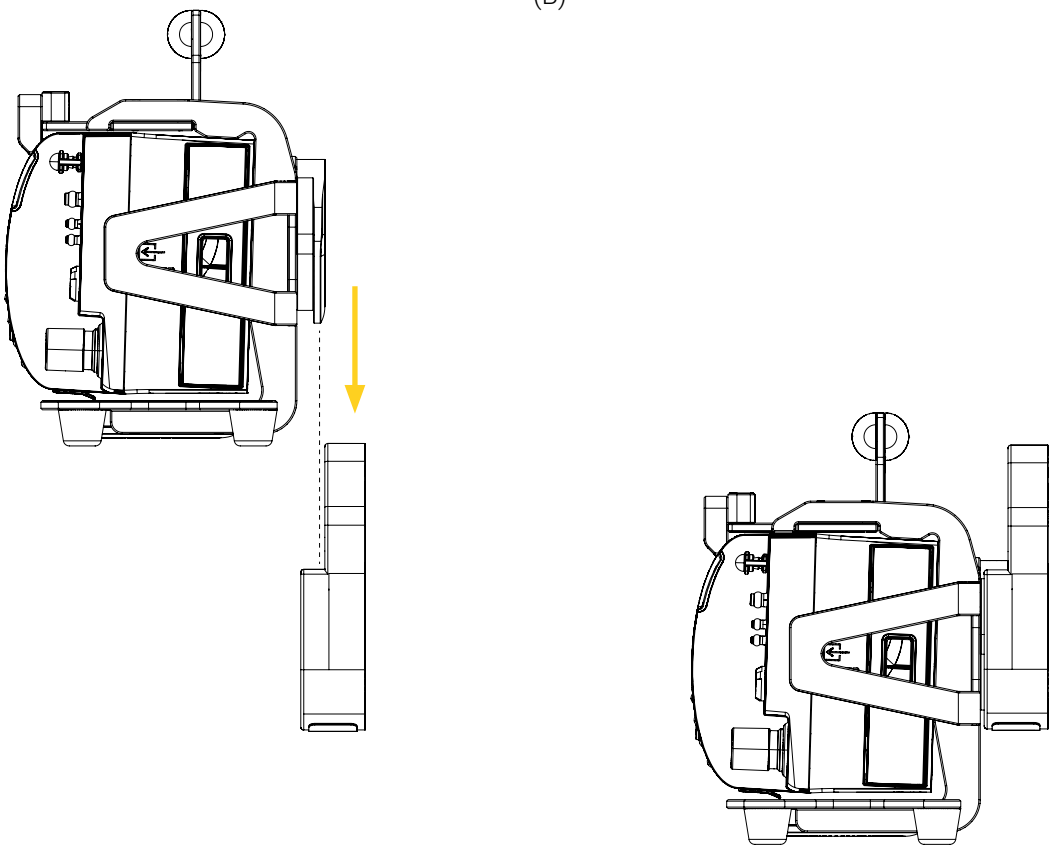


Figure 13: Installing the medical device in the mounting system vertically

2. Move the medical device back and forth or up and down a few times to ensure it is locked and secured in the mounting system. If the disc stays in the mounting system after the verification, it is locked and secured.
3. For medical devices installed in the mounting system horizontally, turn the device up to 360° clockwise or counterclockwise to the desired position (Figure 14).

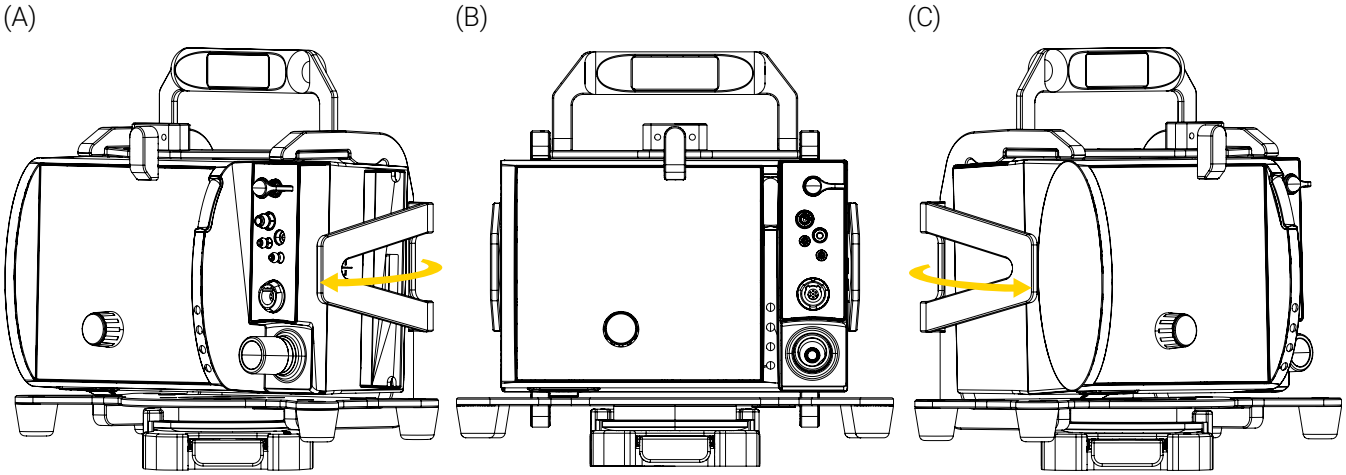


Figure 14: Rotating the medical device

The installation of the medical device in the mounting system is complete.

8.4. Remove the Medical Device from the Mounting System

1. Press and hold the quick-release button of the mounting system, then slide the micro disc located under the mounting bracket of the medical device out of the mounting system horizontally (Figure 15) or the anti-rotation micro disc located at the back of the mounting bracket from the mounting system vertically (Figure 16).

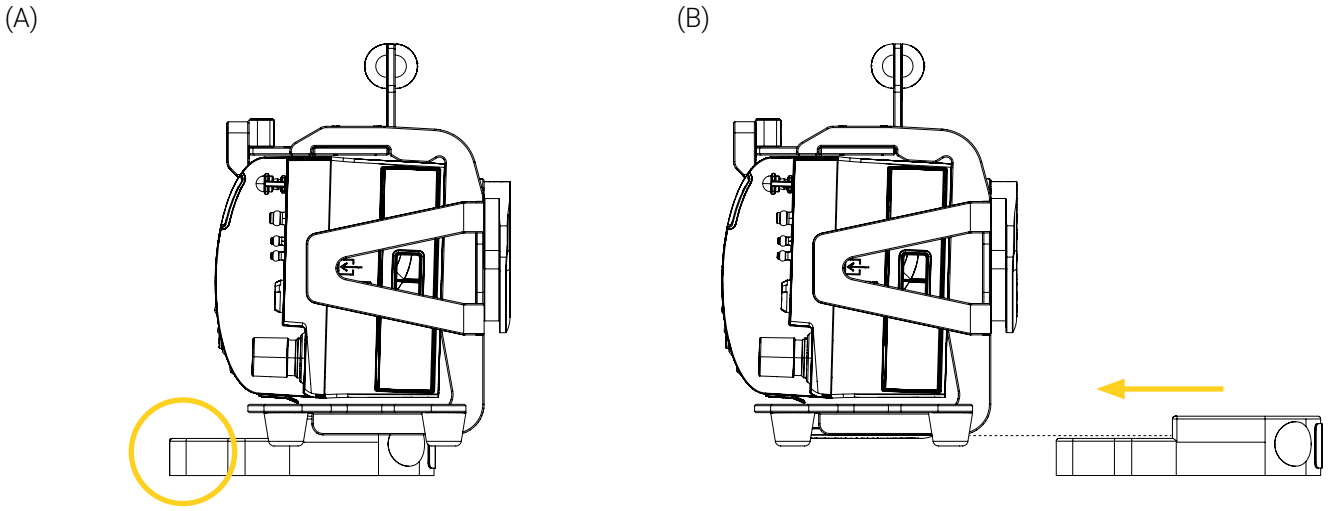
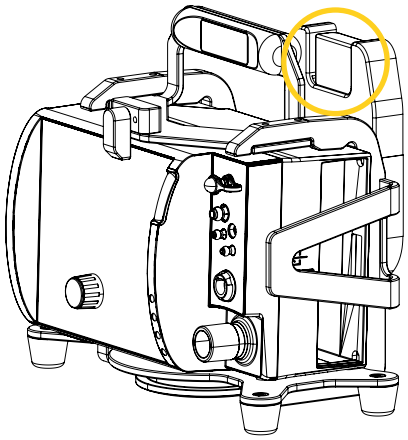


Figure 15: Removing the medical device from the mounting system horizontally

(A)



(B)

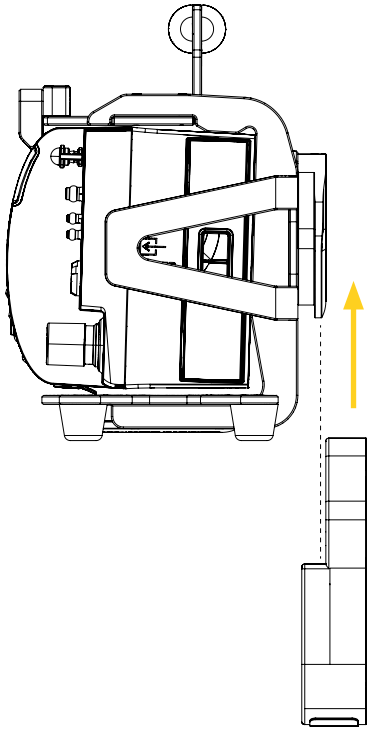


Figure 16: Removing the medical device from the mounting system vertically

2. Set the medical device aside on a clean surface, or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the medical device from the mounting system is complete.

Annex I Skills Assessment of the EMS and clinical personnel

The content in this section is intended for personnel who have an advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Following training, a skills assessment should be given to each member of the EMS and clinical personnel to ensure they have fully comprehended the labelling, warnings and cautions, potential risks, safe practices and proper operating procedures needed to safely and effectively use the BP380 – GR. Consider adding the following to your internal training protocols.

Trainee name: Unit:

Assessor name: Date:

SKILLS ASSESSMENT		
SKILL CRITERIA	PASSED	FAILED
Labelling		
- Able to identify meaning and potential risks associated with the different safety labels:		
- Manufacturing label	☐	☐
- Safe Working Load (SWL)	☐	☐
Safety Measures		
- Knows that **under no circumstances** should the BP380 – GR be installed on, connected to, or used in combination with any third party/competitor mounting system, medical device and protective and transport bag, or similar equipment.	☐	☐
- Knows that the BP380 – GR was specifically engineered to be used with the Meduvent Standard ventilator and protective and transport bag and that using any other medical device may cause the equipment to fall, operate unpredictably, or fail.	☐	☐
- Knows **not to** use the BP380 – GR if there are any loose or missing screws.	☐	☐
- Knows to immediately stop using the BP380 – GR if any serious incident occurs and inform authorized personnel.	☐	☐
- Knows to always ensure that the medical device is secured in the BP380 – GR before it is moved.	☐	☐
- Knows to always ensure that the BP380 – GR is secured in the mounting system before it is moved.	☐	☐
- Knows to always pay close attention **not to wedge** the power cords or tubing during the installation/removal of the mounting bracket, medical device and/or accessories.	☐	☐

SKILLS ASSESSMENT		
SKILL CRITERIA	PASSED	FAILED
- Knows to always pay close attention to the condition of the safety mechanism of the BP380 – GR.	☐	☐
- Knows to always practice safely operating the BP380 – GR until the manipulations have been perfected, before use with patients and that improper use of the mounting bracket may cause damage or the equipment to fall or operate unpredictably.	☐	☐
- Knows **not to overload or exceed** the total Safe Working Load (SWL) of the BP380 – GR.	☐	☐
- Knows that the Safe Working Load (SWL) of the BP380 – GR **does not override** the maximum load capacity of another Technimount product or system, neither those of the medical devices, accessories and/or medical equipment accessories that could be placed in bags for example.	☐	☐
- Knows to always refer to their established internal protocols, as well as read and abide by the safety guidelines and instructions provided in the user documentation of the BP380 – GR, the mounting system, the medical device, and the accessories, as well as in their established internal protocols.	☐	☐
Operation		
- Able to install/remove the medical device in/from the BP380 – GR.	☐	☐
- Able to install/remove the medical device in/from the mounting system.	☐	☐
- Able to rotate the medical device.	☐	☐

Annex II Unpack the BP380 – GR

The content in this section is intended for personnel who have an advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

1. Inspect the shipping box(es) for signs of damage before accepting shipment. Take pictures and report them promptly if applicable.
2. Move the shipping box(es) to the location of the installation.
3. Open the shipping box(es).
4. Unpack the box(es) and ensure that all shipping and packaging materials have been properly removed, prior to installation.

   NOTE : Keep all packaging material for future use.
5. Identify the item(s) included in the shipping box(es), then set them aside.
6. Inspect the item(s) for signs of damage. Take pictures and report them promptly if applicable.

Annex III Meduvent Protective and Transport Bag

The content in this section is intended for personnel who have an advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Install the Meduvent Protective and Transport Bag on the BP380 – GR

Estimated Installation Time

- 1-5 minutes

Required Tools

- Non required

Customer-Provided Optional Parts

- Compatible Meduvent protective and transport bag

Installation Procedure

1. Place the BP380 – GR on the workbench, front-facing, then unlock the mounting bracket using the quarter-turn latch (Figure 17). Refer to the « Unlock the BP380 – GR » section on page 18 if needed.

Figure 17: Unlocking the BP380 – GR

2. Flip the PVC flap of the protective and transport bag forward (Figure 18A), pull apart the hook-and-loop strips at the back of the bag (Figure 18B), then the hook-and-loop top panel on top of the bag (Figure 18C).

(A) (B) (C)

Figure 18: Detaching the protective and transport bag

3. Place the base of the bag on the base plate of the mounting bracket, ensuring that the PVC flap is at the front of the bracket (Figure 19A).
4. Pull the hook side of the top panel over the bracket, insert the handle through the opening, then join the loop side of the top panel with the hook side and press them together (Figure 19B).

(A) (B)

Figure 19: Installing the protective and transport bag on the BP380 – GR (1 of 2)

5. Rotate the bracket 180° clockwise or counterclockwise to facilitate the fastening of the hook-and-loop strips at the back of the bag (Figure 20A).
6. Pass the hook-and-loop strips through the mounting bracket, on each side of the anti-rotation micro disc, then join and press them together on the inside of the bracket (Figure 20B).

(A) (B)

Figure 20: Installing the protective and transport bag on the BP380 – GR (2 of 2)

7. Install the medical device in the mounting bracket, then lock the bracket using the quarter-turn latch (Figure 21). Refer to steps 2 to 6 of the « Install the Medical Device in the BP380 – GR » section on page 19 and to the « Lock the BP380 – GR » section on page 17 if needed.

(A) (B)

Figure 21: Installing the medical device on the BP380 – GR

The installation of the Meduvent protective and transport bag on the BP380 – GR is complete.

Remove the Meduvent Protective and Transport Bag from the BP380 – GR

Estimated Installation Time

- 1-5 minutes

Required Tools

- Non required

Removal Procedure

1. Remove the medical device from the mounting bracket (Figure 22). Refer to steps 2 to 4 of the « Remove the Medical Device from the BP380 – GR » section on page 21 if needed.

(A) (B)

Figure 22: Removing the medical device from the BP380 – GR

2. Pull apart the hook-and-loop strips at the back of the bag, then the hook-and-loop top panel on top of the bag (Figure 23).

(A) (B)

Figure 23: Removing the protective and transport bag from the BP380 – GR

3. Remove the bag from the mounting bracket, then set it aside on a clean surface or place it in its dedicated storage space. Refer to your established internal protocols if needed.

The removal of the Meduvent protective and transport bag from the BP380 – GR is complete.

Annex IV Spacers

The content in this section is intended for personnel who have an advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Install the Spacers on the BP380 – GR

NOTE : Spacers must be installed to properly secure the medical device in the BP380 – GR when **not** using a Meduvent protective and transport bag.

Estimated Installation Time

- 5-10 minutes

Customer-Provided Tools

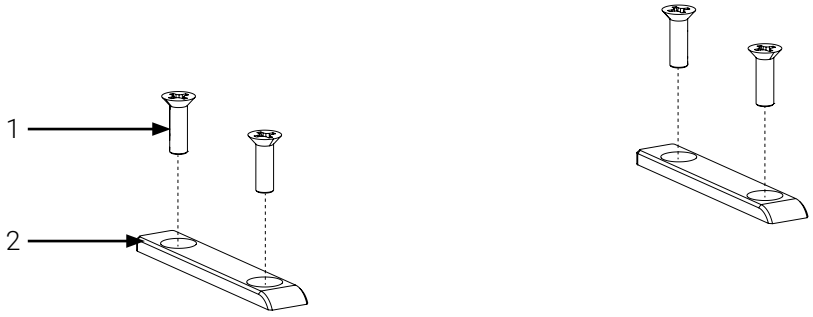
- Phillips-head screwdriver #2
- Medium strength thread lock adhesive ( )

Required Parts

- Spacers Kit 810-00-MDV-WOB

Installation Procedure

1. Identify the parts included in the spacers kit (Figure 24).



1. 10-32 X 3/4 in. L flat head screw (4X)
2. Spacer (2X)

Figure 24: Parts included in spacers kit 810-00-MDV-WOB

2. Identify and remove the four (4) 10-32 X 3/4 in. L flat head screws located at the front of the base plate using a Phillips-head screwdriver #2 (Figure 25), and store them for a future use.

   NOTE : The screws will **not** be reused. Refer to your established internal protocols and the environmental laws that apply to your jurisdiction for the proper disposal of the part.

(A) (B)

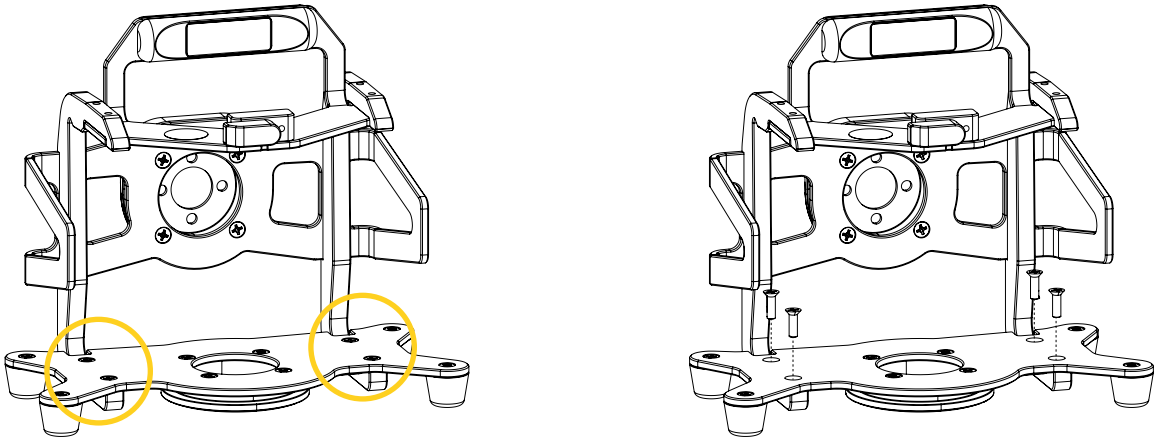


Figure 25: Removing the base plate screws

3. Align the two (2) spacers in the screw holes of the base plate, then tighten the four (4) 10-32 X 3/4 in. L flat head screws coated with medium strength thread lock adhesive (💧) in alternation, using a Phillips-head screwdriver #2 (Figure 26).

(A) (B)

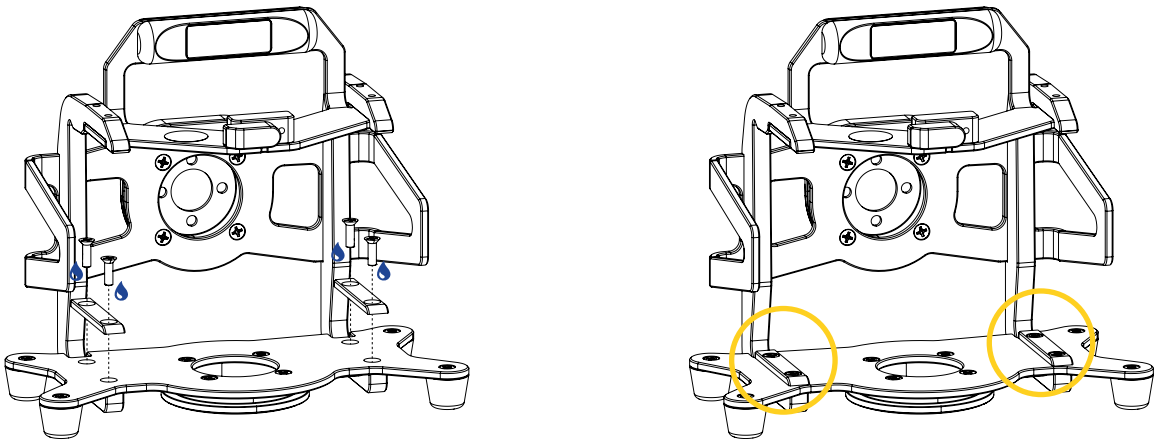


Figure 26: Installing the spacers

4. Move the spacers back and forth and from side to side a few times to ensure they secured in the base plate. If the spacers do not move and the screw heads are flat with the installation surface after the verification, they are secured.

The installation of the spacers on the BP380 – GR is complete.

Remove the Spacers from the BP380 – GR

NOTE : The spacers must be removed to properly secure the medical device on the BP380 – GR when using a protective and transport bag.

Estimated Installation Time

- 5-10 minutes

Customer-Provided Tool

- Phillips-head screwdriver #2

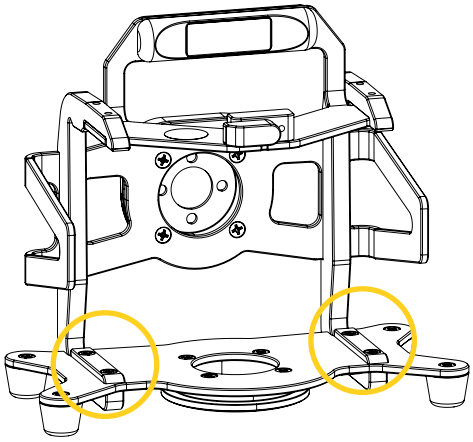
Customer-Provided Part

- Compatible Meduvent protective and transport bag

Removal Procedure

1. Remove the medical device from the mounting bracket. Refer to steps 2 to 4 of the « Remove the Medical Device from the BP380 – GR » section on page 21 if needed.
2. Remove the four (4) 10-32 X 3/4 in. L flat head screws and two (2) spacers located at the front of the base plate using a Phillips-head screwdriver #2 (Figure 27). Set aside the screws temporarily and store the spacers for a future use.

(A)



(B)

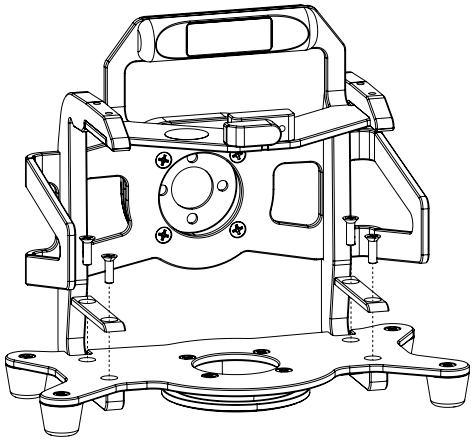


Figure 27: Removing the spacers

3. Align and insert the four (4) 10-32 X 3/4 in. L flat head screws in the screw holes of the base plate, then tighten them in alternation using a Phillips-head screwdriver #2, until the screw heads are leveled with the installation surface (Figure 28).

(A) (B)

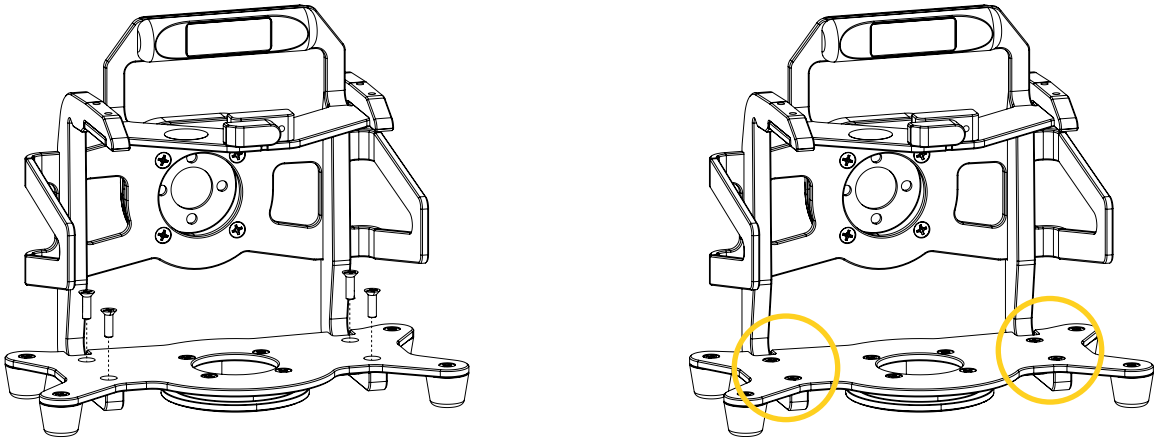


Figure 28: Installing the base plate screws

The removal of the spacers from the BP380 – GR is complete.

Annex V Maintenance

The content in this section is intended for personnel who have an advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Factors such as weather, environment, geographical location and individual usage will necessitate different needs. For the maintenance of the BP380 – GR, follow the guidelines listed herein and in accordance with your service's current maintenance practices and established internal protocols. Please contact Technical Support at techsupport@technimount.com for replacement parts or repair related issues, if needed.

WARNING – General Warning

- **Do not perform** safety checks or condition-based maintenance before having read the entire « Safety Measures » section on page 11 and the maintenance specific safety measures in this section, have read the entire content of the user manual, have gained in-depth knowledge and product comprehension, and have familiarized yourself with the standards and guidelines.
- Safety checks and a condition-based maintenance plan are required and should be established for all Technimount products.
- Perform the safety checks and maintenance operations as described herein. Failing to follow the recommended maintenance plan or its guidelines could cause premature damage to the product.
- Use only Technimount parts, maintenance procedures, cleaning solutions and lubricants (if applicable), as described herein. Using unapproved modified parts or procedures for the maintenance of the Technimount product may cause the system to be unstable and could cause injury to the patients or EMS and clinical personnel and void the product warranty.
- Replace damaged or worn-out parts if past their expected service life or when damaged (refer to the « Replacement Parts/Kits » section on page 43). Recycle damaged parts or dispose according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).

CAUTION – Safe Handling and Operation

- **Do not** use unauthorized, untested or unapproved cleaning products and disinfectants to perform condition-based maintenance, to avoid damaging the surface of your Technimount product and void the warranty. Technimount will not be held liable for damages resulting from the use of an unauthorized, untested or unapproved cleaning product.
- **Do not use** powered tools to screw the hardware during installation, as there is a risk of damage to the threads.
- **Do not steam clean or use ultrasonic cleaners** on the system or any of its components.
- **Do not immerse** the metal parts/components in water.
- To spot clean, the maximum water temperature should not exceed 82° C (180° F). The maximum water pressure should not exceed 1500 psi/103.5 BAR. If using a high pressure washer, the pressure nozzle must be kept a minimum of 609.6 mm (24 in.) from the product.
- When cleaning, always use the appropriate Personal Protection Equipment (PPE) based on your established internal protocols (e.g., gloves, eyewear, etc.).

CAUTION – Corrosion

- Always rinse and dry the BP380 – GR components properly after using cleaning products. Certain types of cleaners may leave a corrosive residue on the surface of the product and could cause the premature corrosion of critical components. Refer to the product Safety Data Sheets (SDS) for chemical information or handling, storage and emergency measures in case of accident.
- Dispose of corrosive wastes according to the environmental laws that apply to your jurisdiction and consult the Safety Data Sheets (SDS).

CAUTION – Follow Instructions for Use

Always read and abide by all the safety guidelines identified, as well as follow all of the instructions provided by the manufacturer of the cleaning product.

Maintenance Frequency

- Safety checks and the condition-based maintenance should be performed minimally every month or as frequently needed, to prolong the longevity of the BP380 – GR in optimal conditions.
- Decontaminate the BP380 – GR as recommended in your established internal protocols, as well as the regulations and standards in virtue of the infection prevention and control procedures.

Required Tools

- Clean and dry cloth
- Soft brush
- Pressure washer
- Cleaning solutions
- Phillips-head screwdriver #2
- Medium strength thread lock adhesive ( )

Tested and Approved Cleaning Solutions

- Oxivir, 5% Hydrogen Peroxide with Peracetic Acid (AHP)
- Lavo 12, 10 000 ppm Sodium Hypochlorite
- TNT-100, 5% Quaternary Ammonium Compound
- Spectro-Sept, 5% Ethyl Alcohol
- Spectrol, 5% EDTA salt

Maintenance Plan

1. Check the boxes upon completion of the « Safety Checks » section on page 39 and the « Condition-Based Maintenance » section on page 40, then add your comments and/or observations in the « Maintenance Log » section on page 41 if needed. In case of a non-conformity, immediately stop using the BP380 – GR and contact Technical Support at techsupport@technimount.com for a remedial action plan.
2. Keep records of your maintenance activities.

SAFETY CHECKS	CHECKED
BP380 – GR (Figure 29)	
- Visually inspect all the components of the BP380 – GR to ensure that the hardware is in good condition and there are no loose screws. • *If the hardware is not in good condition, replace it. Contact Technical Support if needed.* • *If the screws are loose, tighten them. Contact Technical Support if needed.*	☐
- Visually inspect all the components of the BP380 – GR to ensure there is no chemical attack. • *If there are traces of chemical attack, clean the mounting bracket. Refer to the « Condition-Based Maintenance » section on page 40 if needed.*	☐
- Install the medical device in the BP380 – GR and remove it a few times to ensure proper functioning of the mounting system's safety mechanism. • *If the quarter-turn latch of the mounting bracket does not easily rotate clockwise or counterclockwise and does not retain medical device, there is a non-conformity.*	☐
- Move the medical device from side to side a few times to ensure it is secured in the BP380 – GR and does not move. • *If the medical device moves, there is a non-conformity.*	☐
- Install the BP380 – GR in the mounting system and remove it a few times to ensure proper functioning of the safety mechanism of the mounting system. • *If themicro disc located under the bracket of the medical device does not easily insert in the mounting system horizontally, does not lock, and/or cannot be easily removed when using the quick-release button of the mounting system, there is a non-conformity.* • *If the anti-rotation micro disc located at the back of the bracket of the medical device does not easily insert in the mounting system vertically, does not lock, and/or cannot be easily removed when using the quick-release button of the mounting system, there is a non-conformity.*	☐
- For medical devices installed in a mounting system horizontally, turn the medical device clockwise and counterclockwise a few times to ensure proper functioning of the mechanism. • *If the medical device does not easily rotate from left to right and you feel resistance when doing so, there is a non-conformity.*	☐

SAFETY CHECKS	CHECKED

- Look at the manufacturing label to ensure that the specifications are still visible, and that your BP380 – GR has not passed its expected service life. Refer to the « Labels » section on page 10 and the « Technical Specifications » section on page 13 if needed. ☐
  - *If the specifications are no longer visible, there is a non-conformity.*
  - *If the estimated period of safe and reliable use has passed, there is a non-conformity.*

CONDITION-BASED MAINTENANCE	CHECKED

Clean the BP380 – GR, after you have completed the safety checks: ☐

1. Remove the excess dirt using a clean cloth, if needed.
2. Remove the contaminants using a pressure washer or as recommended in your established internal protocols and control procedures.
3. Clean using a cloth and cleaning solution.
4. Spot clean stains by applying the solution directly on the stain and let sit on the surface, if needed.

   NOTE : Avoid over saturation and ensure that the product does not sit on the surface of the BP380 – GR components longer than recommended by the cleaner's manufacturer.

5. Thoroughly rinse the solution with a clean cloth dampened with lukewarm water, then dry all the components using a clean cloth before returning to service.

Clean the mounting system, after you have completed the safety checks of the BP380 – GR. ☐

MAINTENANCE LOG

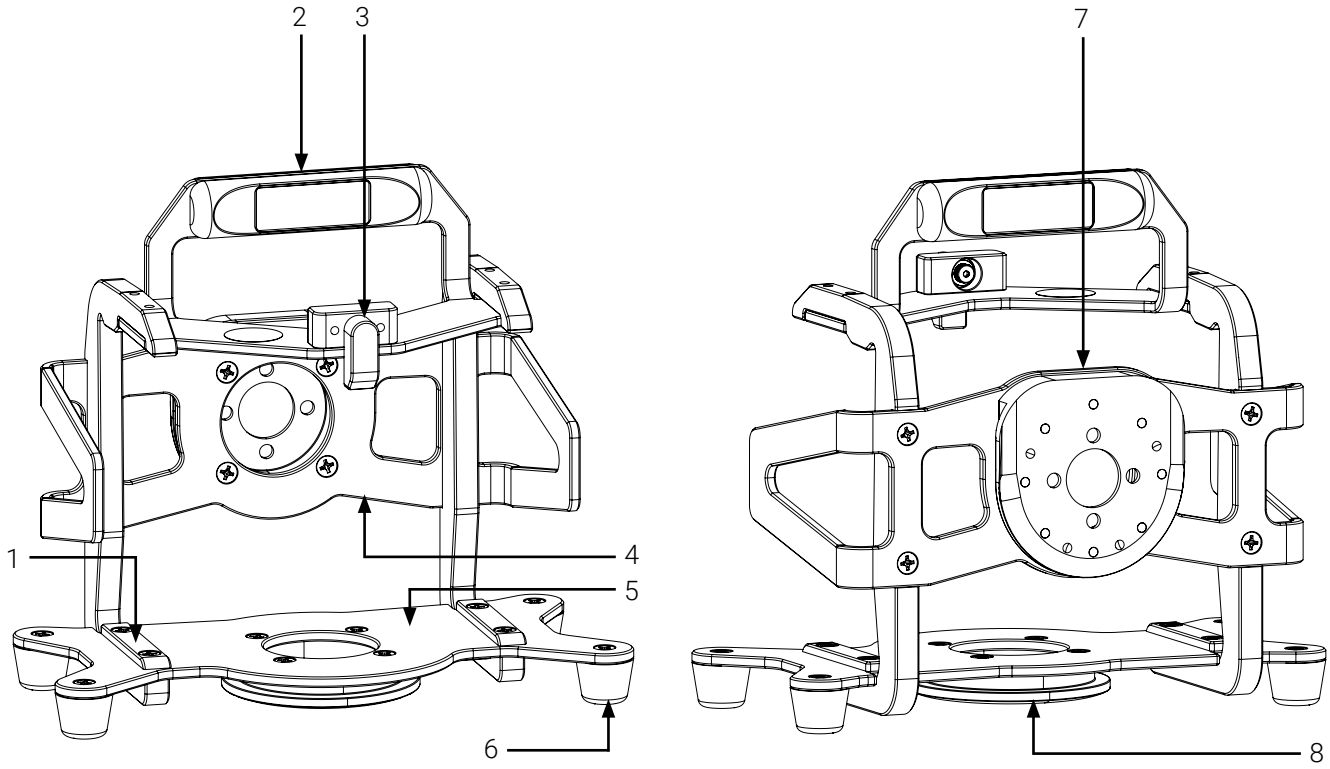
Add your comments and/or observations, after you have completed the safety checks and Condition-Based Maintenance, if needed:

Maintenance plan completed on (dd/mm/yyyy):

Maintenance plan completed by:

Illustrated Inspection Points

Figure 29 illustrate the inspection points of the BP380 – GR.



1. Spacer (2X; optional and only used if **not** using a protective and transport bag)
2. Handle
3. Quarter-turn latch
4. Back plate
5. Bottom plate
6. Foot (4X)
7. Anti-rotation micro disc
8. Micro disc

Figure 29: Illustrated inspection points of a BP380 – GR

Annex VI Replacement Parts/Kits

The content in this section is intended for personnel who have an expert and advanced level of competency. Refer to the « User Competency » section on page 5 if needed.

Technimount reserves the right to change part numbers and products without notice. Please contact Customer Service at customerservice@technimount.com to ensure product options and availability, or Technical Support at techsupport@technimount.com for replacement parts/kits or repair related issues.

REFERENCE #	PART/KIT #	PART/KIT DESCRIPTION	REPLACEMENT PROCEDURE
Figure 29, #1	810-00-MDV-WOB	Spacers Kit (2X)	Refer to the « Remove the Spacers from the BP380 – GR » section on page 35 followed by the « Install the Spacers on the BP380 – GR » section on page 33
Figure 29, #6	923-00-75-INS	19.05 mm (0.75 in.) acetal foot	Refer to the IN-RPRC-202605EN-04 replacement procedure

TECHNIMOUNT
EMS®

SAFETY AND FLEXIBILITY WHERE IT MATTERS MOST