



**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: **OSP – 0234**

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: **Maquet / Getinge Group**

Manufacturer's Technical Representative: Paul Fraser

Mailing Address: 45 Barbour Pond Drive, Wayne, NJ 07470

Telephone: (862) 485-5800

Email: paul.fraser@getinge.com

Product Information

Product Name: **Maquet Magnus OR Table System**

Product Type: Motorized Operating Table System

Product Model Number: See Attachment 1

(List all unique product identification numbers and/or part numbers)

General Description: The Magnus OR table system consists of a table column, tabletops, accessories, controller and power supply.

Mounting Description: The Magnus OR table: rigid base-mount.

Power supply: rigid wall-mount.

Applicant Information

Applicant Company Name: **EASE**


Contact Person: Jonathan Roberson, S.E.

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

Telephone: (909) 606-7622

Email: j.roberson@easeco.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

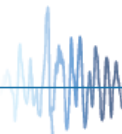
Signature of Applicant: 

Date: 12/23/2019

Title: Principal Structural Engineer

Company Name: **EASE**

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: EASE

Name: Jonathan Roberson, S.E. California License Number: S4197

Mailing Address: 5877 Pine Ave, Suite 210, Chino Hills, CA. 91709

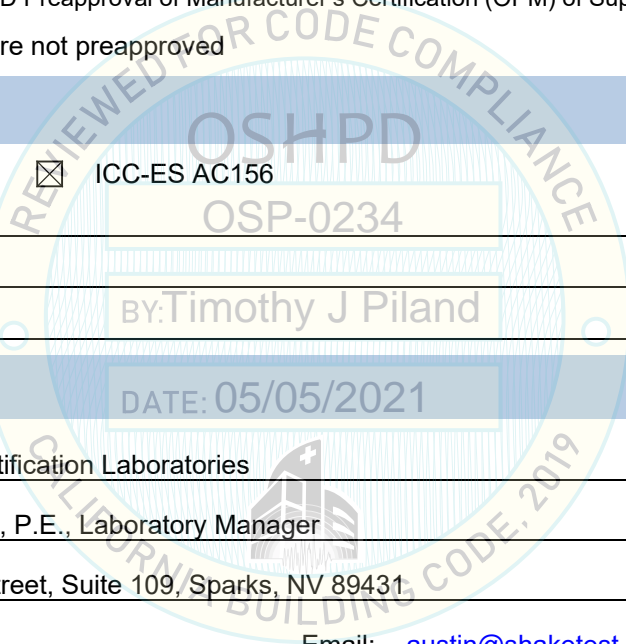
Telephone: (909) 606-7622 Email: j.roberson@easeco.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
- Other (Please Specify): _____



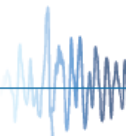
Testing Laboratory

Company Name: Dynamic Certification Laboratories

Contact Name: Austin Brown, P.E., Laboratory Manager

Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431

Telephone: (775) 358-5085 Email: austin@shaketest.com





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: [X] Yes [] No

Design Basis of Equipment or Components (Fp/Wp) = See Attachment 1

Sds (Design spectral response acceleration at short period, g) = 2.00

ap (In-structure equipment or component amplification factor) = 1

Rp (Equipment or component response modification factor) = See Attachment 1

Omega_0 (System overstrength factor) = 1 1/2

Ip (Importance factor) = 1.5

z/h (Height factor ratio) = 1

Equipment or Component Natural Frequencies (Hz) = See Attachment 2

Overall dimensions and weight (or range thereof) = See Attachment 1

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: [] Yes [X] No

Design Basis of Equipment or Components (V/W) =

Sds (Design spectral response acceleration at short period, g) =

Sd1 (Design spectral response acceleration at 1 second period, g) =

R (Response modification coefficient) =

Omega_0 (System overstrength factor) =

Cd (Deflection amplification factor) =

Ip (Importance factor) = 1.5

Height to Center of Gravity above base =

Equipment or Component Natural Frequencies (Hz) =

Overall dimensions and weight (or range thereof) =

Tank(s) designed in accordance with ASME BPVC, 2015: [] Yes [X] No

List of Attachments Supporting Special Seismic Certification

[X] Test Report(s) [] Drawings [] Calculations [X] Manufacturer's Catalog

[X] Other(s) (Please Specify): Attachments 1 & 2

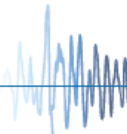
OSHPD Approval (For Office Use Only) - Approval Expires on December 31, 2025

Signature: [Signature] Date: May 5, 2021

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to: Sds (g) = 2.00 z/h = 1

Condition of Approval (if applicable):



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1: CERTIFIED COMPONENTS

| System Mfr. | Maquet, Inc. | | | | | | | | | | | | | |
|--|--|--------------------------|-------|-------------|------------------------------|------------|----------------------------------|--------------------------------|-----------------|-----|----------------|----------------|----------------|--|
| System | Magnus OR Table System | | | | | | | | | | | | | |
| Component | Model No. | Approx. Dimensions (in.) | | | Max. Wt. (Lb.) | Mount | Basis ^[1] | F _p /W _p | S _{Ds} | z/h | a _p | R _p | Ω ₀ | |
| | | Length | Width | Height | | | | | | | | | | |
| OR TABLES | | | | | | | | | | | | | | |
| Hybrid OR table column with carbon fiber tabletop and hand control | Carbon Fiber Table ^[4] | 106.3 | 24.4 | 26.5 – 51.5 | 1,130 – 1,480 ^[2] | Rigid Base | UUT8a UUT8b UUT8c UUT8d | 2.4 | 2 | 1 | 1 | 1½ | 1½ | |
| Hybrid OR table column with Basis tabletop, accessories and hand control | Basis Table ^[4] | 90.5 | 23.0 | 26.5 – 51.5 | 830 – 1,330 ^[3] | Rigid Base | UUT8a UUT8b UUT8c UUT8d | 2.4 | 2 | 1 | 1 | 1½ | 1½ | |
| POWER DISTRIBUTION | | | | | | | | | | | | | | |
| Power Supply | 1150.80A0 | 13.8 | 5.9 | 15.6 | 57 | Rigid Wall | UUT10a UUT10b | 1.44 | 2.0 | 1 | 1 | 2½ | 2 | |
| MOUNT | <p>Rigid Base (Floor): free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p>Rigid Wall: component is rigidly mounted to the surface of a rigid wall or other rigid vertical support.</p> | | | | | | | | | | | | | |
| NOTES | <p>1. BASIS:</p> <ul style="list-style-type: none"> • UUT#: Indicates that a unit matching these characteristics was tested as part of this testing program. • INT (Interpolate/Extrapolate): indicates a model not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line. <p>2. OR table weight range varies from self-weight without patient up to a patient load of 350 lb.</p> <p>3. Patient table weight range varies from self-weight without patient up to a patient load of 500 lb.</p> <p>4. Table is configurable. See Table 2: Seismic Certified Subcomponents for accepted model numbers. Seismic Qualification limited to components in Table 1 configured with subcomponents in Tables 2 & 3</p> | | | | | | | | | | | | | |

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 2: CERTIFIED SUBCOMPONENTS

| System Mfr. | Maquet, Inc. | | | | | | | |
|---|------------------------|---|-----------------|-------|--------------|-----------------------------------|-----------------|------------------|
| System | Magnus OR Table System | | | | | | | |
| TABLE COLUMNS | | | | | | | | |
| Model No. | Mfr. | Description | Dimensions (in) | | | Weight (lb.) | Material | Basis |
| | | | Length | Width | Max. Height* | | | |
| 118001B1 | Maquet | Hybrid OR Table Column, surface-mounted, 16.14" bolt circle | 21.3 | 14.1 | 46.9 | 690 | Stainless Steel | UUT8a-d, UUT9a-d |
| 118001B2 | Maquet | Hybrid OR Table Column, surface-mounted, 16.14" bolt circle | 21.3 | 14.1 | 46.9 | 690 | Stainless Steel | SAME |
| 118001B3 | Maquet | Hybrid OR Table Column, surface-mounted, 16.14" bolt circle | 21.3 | 14.1 | 46.9 | 690 | Stainless Steel | SAME |
| *Column maximum height is for fully extended position. | | | | | | | | |
| **INT subcomponents are structurally identical to those tested in UUT8a-d and UUT9a-d and differ by a software change only. | | | | | | | | |
| TABLETOPS | | | | | | | | |
| Model No. | Mfr. | Description | Dimensions (in) | | | Weight (lb.) | Material | Unit |
| | | | Length | Width | Height | | | |
| 118010F0 | Maquet | Basis Tabletop | 23.2 | 21.3 | 13.1 | 176 | Stainless Steel | UUT9a-d |
| 118016F0 | Maquet | MAGNUS Carbon Fiber Tabletop | 86.6 | 22.0 | 20.6 | 408 | Carbon Fiber | INT* |
| 118016F3 | Maquet | MAGNUS Carbon Fiber Tabletop | 86.6 | 22.0 | 20.6 | 419 | Carbon Fiber | INT* |
| 118016F1 | Maquet | MAGNUS Carbon Fiber Tabletop | 94.5 | 22.0 | 20.6 | 419 | Carbon Fiber | INT* |
| 118016F2 | Maquet | MAGNUS Carbon Fiber Tabletop | 94.5 | 22.0 | 20.6 | 430 | Carbon Fiber | INT* |
| 118016F4 | Maquet | MAGNUS Carbon Fiber Tabletop | 106.3 | 22.0 | 20.6 | 430 | Carbon Fiber | INT* |
| 118016F5 | Maquet | MAGNUS Carbon Fiber Tabletop | 106.3 | 22.0 | 20.6 | 440 | Carbon Fiber | UUT8a-d |
| T2857000 | Maquet | MAGNUS Carbon Fiber Tabletop | 114.2 | 22.0 | 20.6 | 440 | Carbon Fiber | INT* |
| *INT units are identical in construction and within +/- 10% of the weight of the tested units (UUT8a-d). | | | | | | | | |
| CONTROLLER | | | | | | | | |
| Model No. | Mfr. | Description | Dimensions (in) | | | Weight (lb.) | Material | Unit |
| | | | Length | Width | Height | | | |
| 118090A0 | Maquet | Cable-Connected Hand Control | n/a | 3.1 | 12.8 | 1.3 | Stainless Steel | UUT8a-d, UUT9a-d |
| POWER SUPPLY | | | | | | | | |
| Model No. | Mfr. | Description | Dimensions (in) | | | Material | Unit | |
| | | | Length | Width | Height | | | |
| 1150.80A0 | Maquet | Power Supply Enclosure, NEMA 1 | 13.8 | 5.9 | 15.6 | Powder-coated coated carbon steel | UUT10a, UUT10b | |
| S312/7 S | Powerfit | Battery, 12V | 5.9 | 2.6 | 3.9 | Lead Acid | UUT10a, UUT10b | |

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 2: CERTIFIED SUBCOMPONENTS

| System Mfr. | Maquet, Inc. | | | | | | | | |
|-----------------------|------------------------|--|--|-------|--------|-------------|----------|-----------------|------------------|
| System | Magnus OR Table System | | | | | | | | |
| TABLE TOP ACCESSORIES | | | | | | | | | |
| Model No. | Mfr. | Description | Dimensions (in) | | | Weight (lb) | Material | Unit | |
| | | | Length | Width | Height | | | | |
| 118055F0 | Maquet | Universal Module |  | 6.3 | 22.1 | 7.6 | 15 | Stainless Steel | INT ¹ |
| 118032F0 | Maquet | Extension Plate |  | 9.1 | 21.3 | 7.7 | 17 | Stainless Steel | UUT9a-d |
| 118011G0 | Maquet | Motor Driven Joint Module - GYN |  | 9.1 | 21.3 | 9.1 | 35 | Stainless Steel | SAME |
| 118011F0 | Maquet | Motor Driven Joint Module - Back Section |  | 9.1 | 21.3 | 9.1 | 35 | Stainless Steel | UUT9a-d |

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 4 OF 5

TABLE 2: CERTIFIED SUBCOMPONENTS



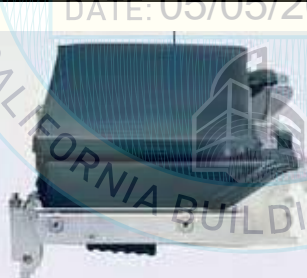


| System Mfr. | | Maquet, Inc. | | | | | | | |
|-------------|--------|---------------------------------|--|------|------|-----|----|-----------------|------------------|
| System | | Magnus OR Table System | | | | | | | |
| 118053F0 | Maquet | Head Rest |  | 13.8 | 20.1 | 5.7 | 24 | Stainless Steel | INT ³ |
| 118050F0 | Maquet | Head Rest |  | 14.2 | 21.3 | 5.7 | 18 | Stainless Steel | UUT9a-d |
| 118031F0 | Maquet | Back Plate |  | 14.4 | 21.3 | 7.7 | 22 | Stainless Steel | UUT9a-d |
| 118055F1 | Maquet | Universal Module for Basic Unit |  | 14.9 | 22.1 | 7.7 | 24 | Stainless Steel | INT |

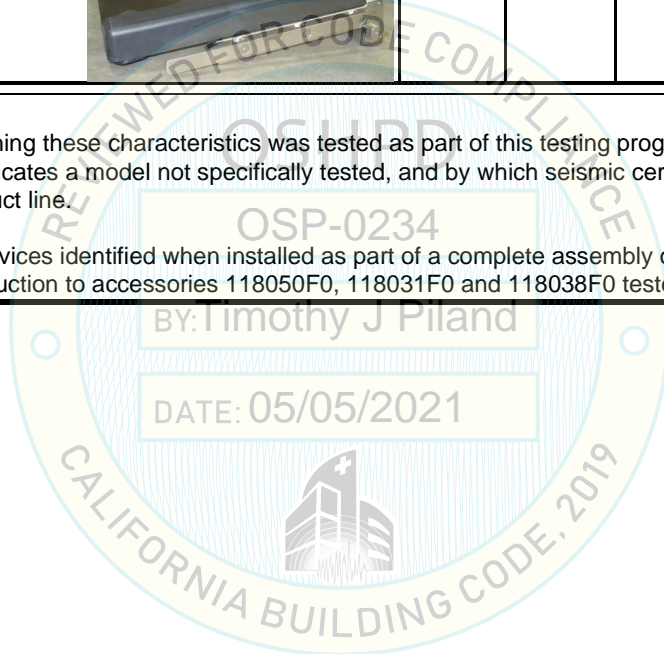
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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 5 OF 5

TABLE 2: CERTIFIED SUBCOMPONENTS

| | | | | | | | | | |
|-------------|--------|---|--|------|------|-----|----|-----------------|---------|
| System Mfr. | | Maquet, Inc. | | | | | | | |
| System | | Magnus OR Table System | | | | | | | |
| 118038F0 | Maquet | Universal Elongation Plate USA |  | 21.7 | 22.9 | 7.6 | 25 | Stainless Steel | UUT9a-d |
| NOTES | | <p>1. BASIS:</p> <ul style="list-style-type: none"> • UUT#: Indicates that a unit matching these characteristics was tested as part of this testing program. • INT (Interpolate/Extrapolate): indicates a model not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line. • SAME: <p>2. Certification in this table is limited devices identified when installed as part of a complete assembly of the equipment defined in Table 1.</p> <p>3. Extrapolated item is similar in construction to accessories 118050F0, 118031F0 and 118038F0 tested in UUT9a-d.</p> | | | | | | | |



ATTACHMENT 2: TEST SPECIMEN SUMMARY

| UUT8a Hybrid OR table column (fully extended) w/ carbon fiber table top & patient mass | | | | | | |
|--|-------|--|------------------------|--|------------------------|------------------------|
| Manufacturer: | | Maquet, Inc. | | | | |
| Identification: | | 118001B1 (Hybrid OR Table Column, surface-mounted), 118016F5 (Magnus Carbon Fiber Table Top), 118090A0 (Cable Connected Hand Control) | | | | |
| Description: | | Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully extended carbon fiber table top 350 lb simulated patient mass, cable connected hand control. | | | | |
| Mounting: | | <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 106.3 | 24.4 | 51.50 | 1,480 | 2.3 | 2.3 | 9.3 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{DS} (G) | z/h | I _p | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |



| UUT8b Hybrid OR table column (fully retracted) w/ carbon fiber tabletop & patient mass | | | | | | |
|--|-------|---|------------------------|--|------------------------|------------------------|
| Manufacturer: | | Maquet, Inc. | | | | |
| Identification: | | 118001B1 (Hybrid OR Table Column, surface-mounted), 118016F5 (Magnus Carbon Fiber Table Top), 118090A0 (Cable Connected Hand Control) | | | | |
| Description: | | Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully retracted carbon fiber table top 350 lb simulated patient mass, cable connected hand control. | | | | |
| Mounting: | | <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 106.3 | 24.4 | 26.50 | 1,480 | 3.3 | 3.5 | 4.5 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{DS} (G) | z/h | I _p | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |



ATTACHMENT 2: TEST SPECIMEN SUMMARY

| UUT8c Hybrid OR table column (fully extended) w/ carbon fiber table top & no patient mass | | | | | | |
|--|-------|--|------------------------|---------------------------------|------------------------|------------------------|
| <i>Manufacturer:</i> | | Maquet, Inc. | | | | |
| <i>Identification:</i> | | 118001B1 (Hybrid OR Table Column, surface-mounted), 118016F5 (Magnus Carbon Fiber Table Top), 118090A0 (Cable Connected Hand Control) | | | | |
| <i>Description:</i> | | Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully extended carbon fiber table top no added mass cable connected hand control | | | | |
| <i>Mounting:</i> | | <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 106.3 | 24.4 | 51.50 | 1,130 | 1.8 | 2.5 | 2.8 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{DS} (G) | z/h | I _P | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |



| UUT8d Hybrid OR table column (fully retracted) w/ carbon fiber tabletop & no patient mass | | | | | | |
|--|-------|---|------------------------|---------------------------------|------------------------|------------------------|
| <i>Manufacturer:</i> | | Maquet, Inc. | | | | |
| <i>Identification:</i> | | 118001B1 (Hybrid OR Table Column, surface-mounted), 118016F5 (Magnus Carbon Fiber Table Top), 118090A0 (Cable Connected Hand Control) | | | | |
| <i>Description:</i> | | Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully retracted carbon fiber table top no added mass cable connected hand control | | | | |
| <i>Mounting:</i> | | <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 106.3 | 24.4 | 51.50 | 1,130 | 5.8 | 6.0 | 8.0 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{DS} (G) | z/h | I _P | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |



ATTACHMENT 2: TEST SPECIMEN SUMMARY

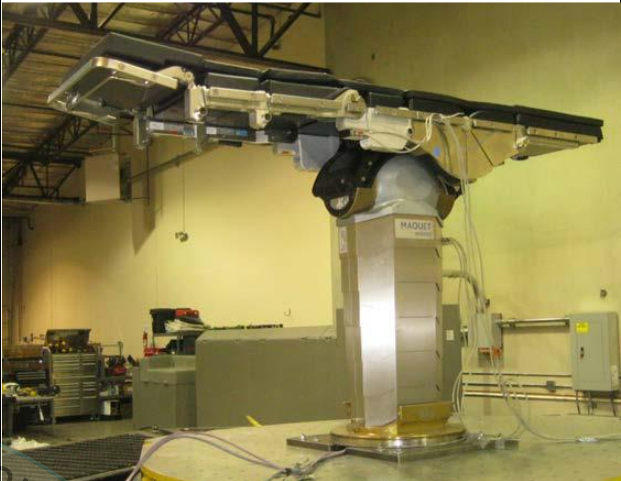
| UUT9a Hybrid OR table column (fully extended) w/ Basis table top & patient mass | | | | | | |
|--|-------|---|------------------------|--|------------------------|------------------------|
| Manufacturer: | | Maquet, Inc. | | | | |
| Identification: | | 118001B1 (Hybrid OR Table Column, surface-mounted), 118010F0 (Basis Table Top), 118031F0, 118032F0 (Back Plate), 118011F0 (Motor Driven Joint Module - Back Section), 118038F0 (Universal Elongation Plate USA), 118050F0 (Head Rest), 118090A0 (Cable-Connected Hand Control) | | | | |
| Description: | | Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully extended stainless steel Basis table top 500 lb simulated patient mass, cable connected hand control. | | | | |
| Mounting: | | <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 90.5 | 23 | 51.50 | 1,330 | 5.0 | 4.8 | 5.5 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{Ds} (G) | z/h | I _p | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |




| UUT9b Hybrid OR table column (fully retracted) w/ Basis table top & patient mass | | | | | | |
|--|-------|--|------------------------|--|------------------------|------------------------|
| Manufacturer: | | Maquet, Inc. | | | | |
| Identification: | | 118001B1 (Hybrid OR Table Column, surface-mounted), 118010F0 (Basis Table Top), 118031F0, 118032F0 (Back Plate), 118011F0 (Motor Driven Joint Module - Back Section), 118038F0 (Universal Elongation Plate USA), 118050F0 (Head Rest), 118090A0 (Cable-Connected Hand Control) | | | | |
| Description: | | Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully retracted stainless steel Basis table top 500 lb simulated patient mass, cable connected hand control. | | | | |
| Mounting: | | <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 90.5 | 23 | 51.50 | 1,330 | 2.8 | 3.0 | 3.5 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{Ds} (G) | z/h | I _p | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |



ATTACHMENT 2: TEST SPECIMEN SUMMARY

| | | | | | | |
|---|-------|--|------------------------|--|------------------------|------------------------|
| UUT9c Hybrid OR table column (fully extended) w/ Basis table top & no patient mass | | | | | | |
| Manufacturer: Maquet, Inc. | |  | | | | |
| Identification: 118001B1 (Hybrid OR Table Column, surface-mounted), 118010F0 (Basis Table Top), 118031F0, 118032F0 (Back Plate), 118011F0 (Motor Driven Joint Module - Back Section), 118038F0 (Universal Elongation Plate USA), 118050F0 (Head Rest), 118090A0 (Cable-Connected Hand Control) | | | | | | |
| Description: Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully extended stainless steel Basis table top no added mass cable connected hand control. | | | | | | |
| Mounting: <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 90.5 | 23 | 51.50 | 830 | 4.5 | 5.3 | 18.3 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{DS} (G) | z/h | I _p | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |

| | | | | | | |
|--|-------|--|------------------------|--|------------------------|------------------------|
| UUT9b Hybrid OR table column (fully retracted) w/ Basis table top & no patient mass | | | | | | |
| Manufacturer: Maquet, Inc. | |  | | | | |
| Identification: 118001B1 (Hybrid OR Table Column, surface-mounted), 118010F0 (Basis Table Top), 118031F0, 118032F0 (Back Plate), 118011F0 (Motor Driven Joint Module - Back Section), 118038F0 (Universal Elongation Plate USA), 118050F0 (Head Rest), 118090A0 (Cable-Connected Hand Control) | | | | | | |
| Description: Maquet Magnus Operating Table System including: <ul style="list-style-type: none"> Hybrid OR table column (Stainless steel) <ul style="list-style-type: none"> column fully retracted stainless steel Basis table top no added mass cable connected hand control. | | | | | | |
| Mounting: <u>Rigid Base (Floor) mounted</u> The unit was rigid base-mounted to the shake table interface plate using six M10x1.5 bolts in 16.14" bolt circle. The shake table interface plate was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 90.5 | 23 | 51.50 | 830 | 12.8 | 11.3 | 7.8 |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{DS} (G) | z/h | I _p | A _{FLX-H} (G) | A _{RIG-H} (G) | A _{FLX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |

ATTACHMENT 2: TEST SPECIMEN SUMMARY

| | | | | | | |
|--|-------|---|-------------------------|--|-------------------------|------------------------|
| UUT10a Power Supply | | | | | | |
| <i>Manufacturer:</i> | | Maquet, Inc. | | | | |
| <i>Identification:</i> | | 1150.80A0 (Power Supply) | | | | |
| <i>Description:</i> | | Component of the Maquet Magnus Operating Table System Power supply including: Powder-coated carbon steel enclosure, NEMA 1 12V battery | | | | |
| <i>Mounting:</i> | | Rigid wall mounted using using four 1/4-inch diameter Grade 5 bolts. The shake table interface wall fixture was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 13.8 | 5.9 | 15.6 | 57 | --- | --- | --- |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{Ds} (G) | z/h | I _p | A _{FLEX-H} (G) | A _{RIG-H} (G) | A _{FLEX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |



| | | | | | | |
|--|-------|---|-------------------------|--|-------------------------|------------------------|
| UUT10b Power Supply | | | | | | |
| <i>Manufacturer:</i> | | Maquet, Inc. | | | | |
| <i>Identification:</i> | | 1150.80A0 (Power Supply) | | | | |
| <i>Description:</i> | | Component of the Maquet Magnus Operating Table System Power supply including: Powder-coated carbon steel enclosure, NEMA 1 12V battery | | | | |
| <i>Mounting:</i> | | Rigid wall mounted using using four 1/4-inch diameter Grade 5 bolts. The shake table interface wall fixture was attached to the shake table with M12 threaded rod spaced at approximately 8-inches on-center. | | | | |
| Dimensions (in.) | | | | Lowest Resonant Frequency (Hz.) | | |
| Width | Depth | Height | Weight (lb.) | Front-Back | Side-Side | Vertical |
| 13.8 | 5.9 | 15.6 | 57 | --- | --- | --- |
| ICC-ES AC156 Shake Table Test Parameters | | | | | | Code: 2019 CBC |
| S _{Ds} (G) | z/h | I _p | A _{FLEX-H} (G) | A _{RIG-H} (G) | A _{FLEX-V} (G) | A _{RIG-V} (G) |
| 2.0 | 1 | 1.5 | 3.20 | 2.40 | 1.33 | 0.53 |
| Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test. | | | | | | |

