UMFmedical®
moving care forward

OWNER'S MANUAL

FusionONE & FusionFREEDOM Series Power Exam Chair

3001/3002/3003 Series
3501/3502/3503 Series

SERIAL NUMBER	
DATE OF MANUFACTURE	
MAXIMUM PATIENT WEIGHT	450 LBS / 204 KG 500 LBS / 226 KG

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UMFmedical.com
Revision A

INTENDED USE STATEMENT

The FusionONE & FusionFREEDOM Series Exam Chairs provides a surface on which patient can sit and/or lie while a qualified medical professional performs a medical examination and/or treatment. This exam chair has standard features that allow the chair to be raised and lowered, the backrest to be inclined, and the patient's legs to be supported in an elevated position. The features make examining and treating patients more ergonomic and allows easy accessibility for the medical professional.

IMPORTANT INFORMATION

Safety First: This equipment must be operated and maintained with the safety of the patient and medical professional in mind.

1. No individual should operate chair without reading and understanding the owner's manual. Read this manual completely before operating your new UMF Medical equipment. There is no special training required to operate this equipment.
2. Patients should only mount and dismount the chair from the front and only when the chair is at a comforchair height for their respective height.
3. This product is intended to be used for positioning of patients during medical examinations conducted by a qualified medical professional.
4. This manual should remain permanently affixed or near the equipment for convenient reference.
5. Do not attempt to transport chair without proper lifting equipment.
6. Do not leave chair with unsupervised children.
7. Use adhesive caution tape or cable runner if power cord is run across the floor.
8. UMF Medical reserves the right to make changes to the design of products at any time and without notice.
9. If chair becomes unresponsive while at a raised position with a patient on the chair, use a step stool, chair, or other form of secure step to help the patient safely dismount the chair.
10. Do not impede the chair's movement when raising or lowering. Doing so can cause damage to chair and or item/person in contact with chair.
11. Chair can be lifted from the rear underside of the body panel (under the drawer) and in the front by pulling out the leg section approximately 4" and using it as a hand hold. Chair should always be lifted by two people at a time who are capable of lifting 175 lbs (79 kg) each. Chair should be lifted onto a dolly or cart capable of holding 350 lbs (159 kg) for transporting long distances.

CLASSIFICATIONS

Equipment Class — 3001 Class II, 3002 Class II, 3003 Class I

Protection against electric shock: Type B applied parts

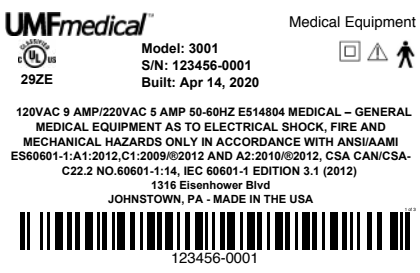
Protection against harmful ingress of water: Ordinary Equipment is not suichair for use in the presence of a flammable anesthetics mixture with air or with oxygen or with nitrous oxide

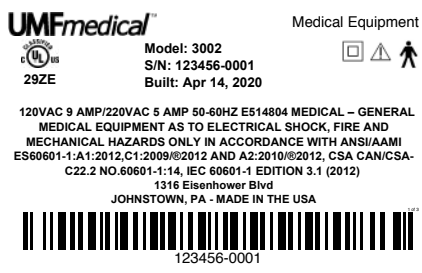
Mode of Operation: Continuous operation with intermittent loading 1 minute on 9 minutes off or 2 minutes on, 18 minutes off.

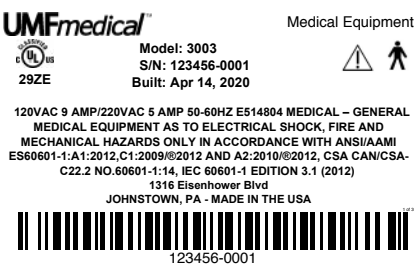
The chair, any manufacturer approved accessories, and all accompanying documents are all part of the Medical Equipment System and suichair for use within the patient environment.

This product has been evaluated with respect to electrical shock, fire, & mechanical hazards only, in accordance with ANSI/AAMI ES60601-1: A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, CSA CAN/CSA-C22.2 NO. 60601-1:14, IEC 60601-1 Edition 3.1 (2012).

(Model numbers may contain additional suffixes for various chair options)







Equipment Class — 3501 Class II, 3502 Class II, 3503 Class I

Protection against electric shock: Type B applied parts

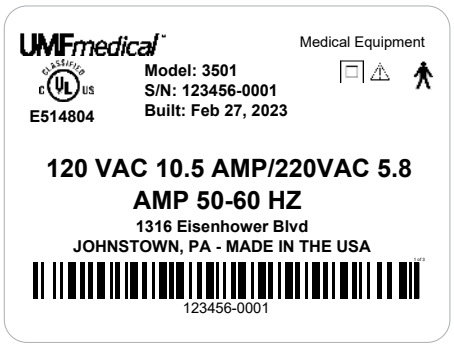
Protection against harmful ingress of water: Ordinary Equipment is not suichair for use in the presence of a flammable anesthetics mixture with air or with oxygen or with nitrous oxide

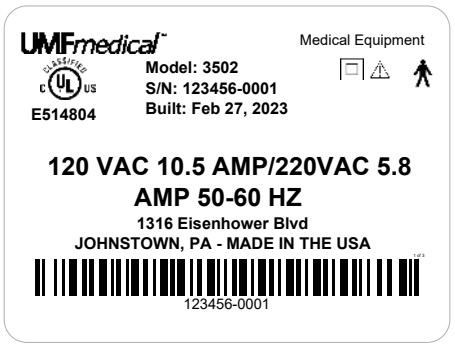
Mode of Operation: Continuous operation with intermittent loading 1 minute on, 9 minutes off, or 2 minutes on, 18 minutes off.

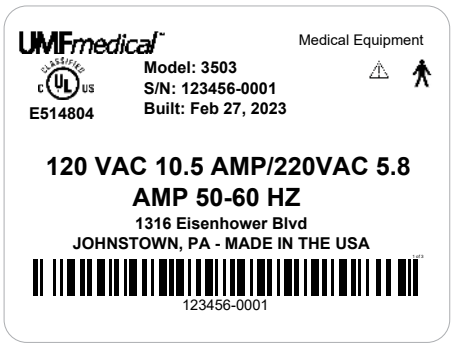
The chair, any manufacturer approved accessories, and all accompanying documents are all part of the Medical Equipment System and suichair for use within the patient environment.

E514804 MEDICAL — GENERAL MEDICAL EQUIPMENT AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL HAZARDS ONLY IN ACCORDANCE WITH ANSI/AAMI ES60601-1:A1:2012,C1:2009/®2012 AND A2:2010/®2012, CSA CAN/CSA-C22.2 NO.60601-1:14, IEC 60601-1 EDITION 3.1 (2012), Duty Cycle: 1 minute on, 9 minutes off, or 2 minutes on, 18 minutes off

(Model numbers may contain additional suffixes for various chair options)







APPLIED PARTS

The entire chair is considered to be an applied part because the patient or medical professional could come in contact with any part of the chair while in use. It is noted that the only components designed to come in contact with the patient on a regular occurrence are the upholstered top, leg pad, and stirrups.

WARNINGS AND SAFETY NOTICES

1. No part of this exam chair is to be serviced or maintained while in use with a patient.
2. To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
3. Position the exam chair so that the power cord can be quickly disconnected in an emergency.
4. In case of emergency, do not press any buttons on the hand or foot control. The exam chair can be safely shut down by disconnecting the power cord.
5. No modification of this equipment is allowed. Any modification could cause harm to the patient or medical professional.
6. All service to exam chair must be done by a certified Biomedical Technician.
7. The following items may only be replaced by a certified Biomedical Technician. Instructions for proper replacement can be found in the FusionONE Series Power Exam Chair Service Manual. All wiring schematics and component parts list are also provided in the Service Manual. Improper replacement of any item could result in severe injury.

- Top Upholstery
- Leg Section
- Pelvic Tilt Mechanism
- Body Panels
- Stirrups
- Back Actuator
- Lift Column
- Control Box
- Power Cord
- Hand Control
- Foot Control

8. It is the responsibility of the owning facility to clean, sterilize, and disinfect the exam chair according to the EQUIPMENT CARE section within this manual.
9. Inspect the exam chair monthly for damaged areas that occur from use that may cause sharp corners or safety concerns.
10. Perform electrical outlet testing per facility requirements or local code, whichever is more frequent.
11. For shipping, the exam chair must be secured to a pallet capable of transporting 350 lbs. (159 kg) without damage.
12. All service and modifications during the service life of the exam chair will be conducted to the standards of IEC60601-1, ed 3.
13. In the 3500 Series, the third conductor in the Power Supply Cord for the control box is only a functional earth.

SAFETY SYMBOLS

WARNING: The warning symbol identifies special instructions or procedures, which if not correctly followed could result in personal injury.

CAUTION: The caution symbol identifies special instructions or procedures, which if not properly followed could result in danger or damage to equipment.

This product has been evaluated with respect to electrical shock, fire, & mechanical hazards only, in accordance with ANSI/AAMI ES60601-1:A1:2012,C1:2009/(R)2012 and A2:2010/(R)2012, CSA CAN/CSA-C22.2 NO. 60601-1:14, IEC 60601-1 Edition 3.1 (2012).


CLASS II EQUIPMENT


TYPE B APPLIED PART


ATTENTION, CONSULT ACCOMPANYING DOCUMENTS


PROTECTIVE EARTH GROUND


REFER TO OWNER'S MANUAL


GENERAL WARNING


HOT SURFACE


DO NOT SIT


DO NOT STAND


EARTH GROUND (3500 SERIES ONLY)

ENVIRONMENTAL CONDITIONS

TRANSPORT/STORAGE TEMPERATURE: 14°F to 122°F (-10°C to 50°C)
TRANSPORT/STORAGE/OPERATING HUMIDITY: 20% to 90%
OPERATING TEMPERATURE: 41°F to 113°F (5°C to 45°C)
MAXIMUM OPERATING ATMOSPHERIC PRESSURE: 700-1060KPA

EMC INFORMATION

1. This ME Equipment is intended for use in the professional healthcare setting.
2. WARNING: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
3. Maximum length of the power supply cable is not to exceed: 10 ft. (3.0 m)
   Maximum length of the hand/foot control cable is not to exceed: 10 ft. (3.0 m)
4. WARNING: Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.
5. WARNING: Porchair RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the [ME EQUIPMENT or ME SYSTEM], including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.
6. There are no maintenance requirements specifically related to EMC, all maintenance items are addressed in the important information section

Enclosure Port

		IMMUNITY TEST LEVELS	
Phenomenon	**Basic EMC standard or test method**	**Professional healthcare facility environment**	**Home healthcare environment**
Electrostatic discharge	IEC 61000-4-2	± 8 kV contact ± 2 kV, ± 4 kV, ± 8 kV, ± 15 kV air	
Radiated RF EM fields [a]	IEC 61000-4-3	3 V/m [f] 80 MHz – 2,7 GHz [b] 80 % AM at 1 kHz [c]	10 V/m [f] 80 MHz – 2,7 GHz [b] 80 % AM at 1 kHz [c]
Proximity fields from RF wireless communications equipment	IEC 61000-4-3	See 8.10.	
Rated power frequency magnetic fields [d] [e]	IEC 61000-4-8	30 A/m [g] 50 Hz or 60 Hz	

a) The interface between the PATIENT physiological signal simulation, if used, and the ME EQUIPMENT or ME SYSTEM shall be located within 0,1 m of the vertical plane of the uniform field area in one orientation of the ME EQUIPMENT or ME SYSTEM.

b) ME EQUIPMENT and ME SYSTEMS that intentionally receive RF electromagnetic energy for the purpose of their operation shall be tested at the frequency of reception. Testing may be performed at other modulation frequencies identified by the RISK MANAGEMENT PROCESS. This test assesses the BASIC SAFETY and ESSENTIAL PERFORMANCE of an intentional receiver when an ambient signal is in the passband. It is understood that the receiver might not achieve normal reception during the test.

c) Testing may be performed at other modulation frequencies identified by the RISK MANAGEMENT PROCESS.

d) Applies only to ME EQUIPMENT and ME SYSTEMS with magnetically sensitive components or circuitry.

e) During the test, the ME EQUIPMENT or ME SYSTEM may be powered at any NOMINAL input voltage, but with the same frequency as the test signal (see Chair 1).

f) Before modulation is applied.

g) This test level assumes a minimum distance between the ME EQUIPMENT or ME SYSTEM and sources of power frequency magnetic field of at least 15 cm. If the RISK ANALYSIS shows that the ME EQUIPMENT or ME SYSTEM will be used closer than 15 cm to sources of power frequency magnetic field, the IMMUNITY TEST LEVEL shall be adjusted as appropriate for the minimum expected distance.

Input A.C. Power Port

		IMMUNITY TEST LEVELS	
Phenomenon	**Basic EMC standard or test method**	**Professional healthcare facility environment**	**Home healthcare environment**
Electrical fast transients / bursts [a] [l] [o]	IEC 61000-4-4	± 2 kV 100 kHz repetition frequency	
Surges [a] [b] [j] [o] Line-to-line	IEC 61000-4-5	± 0,5 kV, ± 1 kV	
Surges [a] [b] [j] [k] [o] Line-to-ground	IEC 61000-4-5	± 0,5 kV, ± 1 kV, ± 2 kV	
Conducted disturbances induced by RF fields [c] [d] [o]	IEC 61000-4-6	3 V [m] 0,15 MHz – 80 MHz 6 V [m] in ISM bands between 0,15 MHz and 80 MHz [n] 80 % AM at 1 kHz [e]	3 V [m] 0,15 MHz – 80 MHz 6 V [m] in ISM and amateur radio bands between 0,15 MHz and 80 MHz [n] 80 % AM at 1 kHz [e]
Voltage dips [f] [p] [r]	IEC 61000-4-11	0 % U_T ; 0,5 cycle [g] At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° [q] 0 % U_T; 1 cycle and 70 % U_T ; 25/30 cycles [h] Single phase: at 0°	
Voltage interruptions [f] [i] [o] [r]	IEC 61000-4-11	0 % U ; 250/300 cycle [h]	

a) The test may be performed at any one power input voltage within the ME EQUIPMENT or ME SYSTEM RATED voltage range. If the ME EQUIPMENT or ME SYSTEM is tested at one power input voltage, it is not necessary to re-test at additional voltages.

b) All ME EQUIPMENT and ME SYSTEM cables are attached during the test.

c) Calibration for current injection clamps shall be performed in a 150 Ω system.

d) If the frequency stepping skips over an ISM or amateur band, as applicable, an additional test frequency shall be used in the ISM or amateur radio band. This applies to each ISM and amateur radio band within the specified frequency range.

e) Testing may be performed at other modulation frequencies identified by the RISK MANAGEMENT PROCESS.

f) ME EQUIPMENT and ME SYSTEMS with a d.c. power input intended for use with a.c.-to-d.c. converters shall be tested using a converter that meets the specifications of the MANUFACTURER of the ME EQUIPMENT or ME SYSTEM. The IMMUNITY TEST LEVELS are applied to the a.c. power input of the converter.

g) Applicable only to ME EQUIPMENT and ME SYSTEMS connected to single-phase a.c. mains.

h) E.g. 10/12 means 10 periods at 50 Hz or 12 periods at 60 Hz.

i) ME EQUIPMENT and ME SYSTEMS with RATED input current greater than 16 A / phase shall be interrupted once for 250/300 cycles at any angle and at all phases at the same time (if applicable). ME EQUIPMENT and ME SYSTEMS with battery backup shall resume line power operation after the test. For ME EQUIPMENT and ME SYSTEMS with RATED input current not exceeding 16 A, all phases shall be interrupted simultaneously.

j) ME EQUIPMENT and ME SYSTEMS that do not have a surge protection device in the primary power circuit may be tested only at ± 2 kV line(s) to earth and ± 1 kV line(s) to line(s).

k) Not applicable to CLASS II ME EQUIPMENT and ME SYSTEMS.

i) Direct coupling shall be used.

m) r.m.s., before modulation is applied.

n) The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.

o) Applicable to ME EQUIPMENT and ME SYSTEMS with RATED input current less than or equal to 16 A / phase and ME EQUIPMENT and ME SYSTEMS with RATED input current greater than 16 A / phase.

p) Applicable to ME EQUIPMENT and ME SYSTEMS with RATED input current less than or equal to 16 A / phase.

q) At some phase angles, applying this test to ME EQUIPMENT with transformer mains power input might cause an overcurrent protection device to open. This can occur due to magnetic flux saturation of the transformer core after the voltage dip. If this occurs, the ME EQUIPMENT or ME SYSTEM shall provide BASIC SAFETY during and after the test.

r) For ME EQUIPMENT and ME SYSTEMS that have multiple voltage settings or auto ranging voltage capability, the test shall be performed at the minimum and maximum RATED input voltage. ME EQUIPMENT and ME SYSTEMS with a RATED input voltage range of less than 25 % of the highest RATED input voltage shall be tested at one RATED input voltage within the range. See Chair 1 Note c) for examples calculations.

Test specifications for Enclosure Port Immunity to RF wireless communications equipment

Test frequency	Band [a]	Service [a]	Modulation [b]	Maximum power	Maximum power	Immunity Test Level
(MHz)	(MHz)			(W)	(W)	(V/m)
385	380 –390	TETRA 400	Pulse modulation [b] 18 Hz	1,8	0,3	27
450	430 – 470	GMRS 460, FRS 460	FM [c] ± 5 kHz deviation 1 kHz sine	2	0,3	28
710	704 – 787	LTE Band 13, 17	Pulse modulation [b] 217 Hz	0,2	0,3	9
745						
780						
810	800 – 960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation [b] 18 Hz	2	0,3	28
870						
930						
1 720	1 700 –1 990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation [b] 217 Hz	2	0,3	28
1 845						
1 970						
2 450	2 400 –2 570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation [b] 217 Hz	2	0,3	28
5 240	5 100 –5 800	WLAN 802.11 a/n	Pulse modulation [b] 217 Hz	0,2	0,3	9
5 500						
5 785						

NOTE If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3.

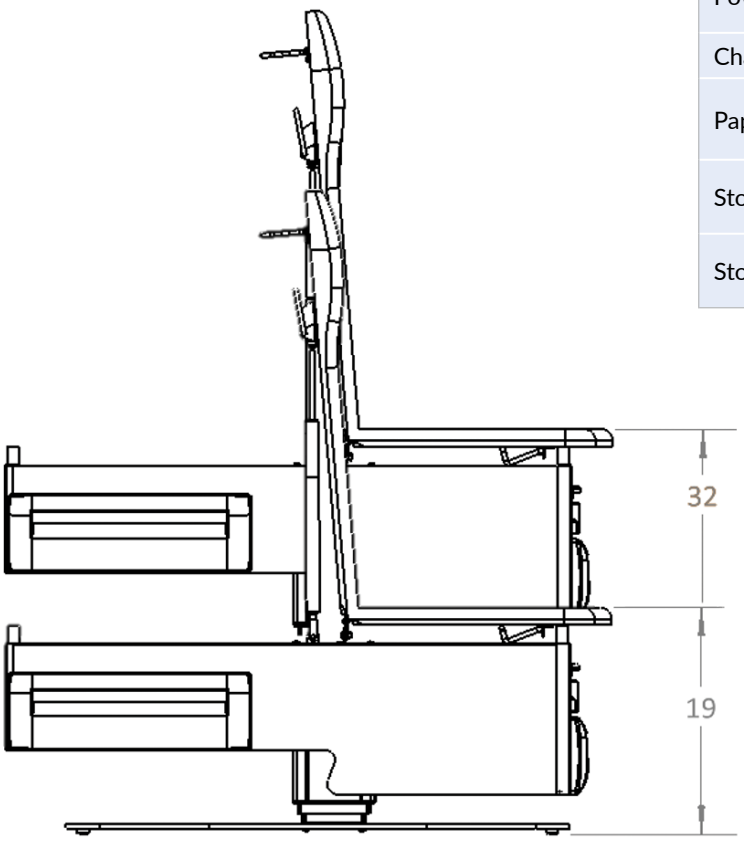
a) For some services, only the uplink frequencies are included.

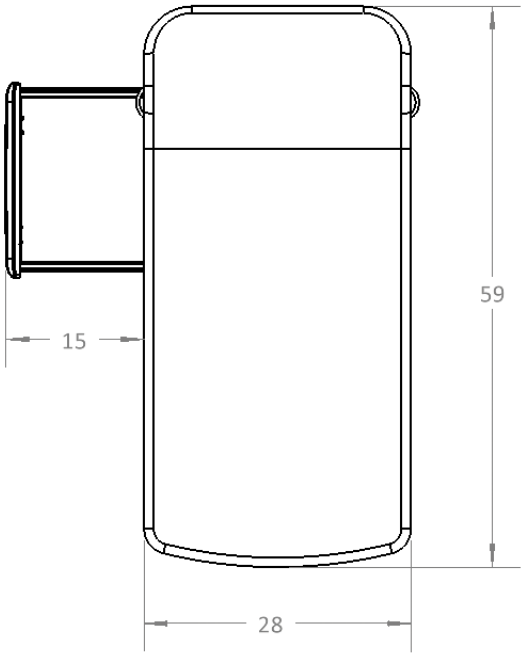
b) The carrier shall be modulated using a 50 % duty cycle square wave signal.

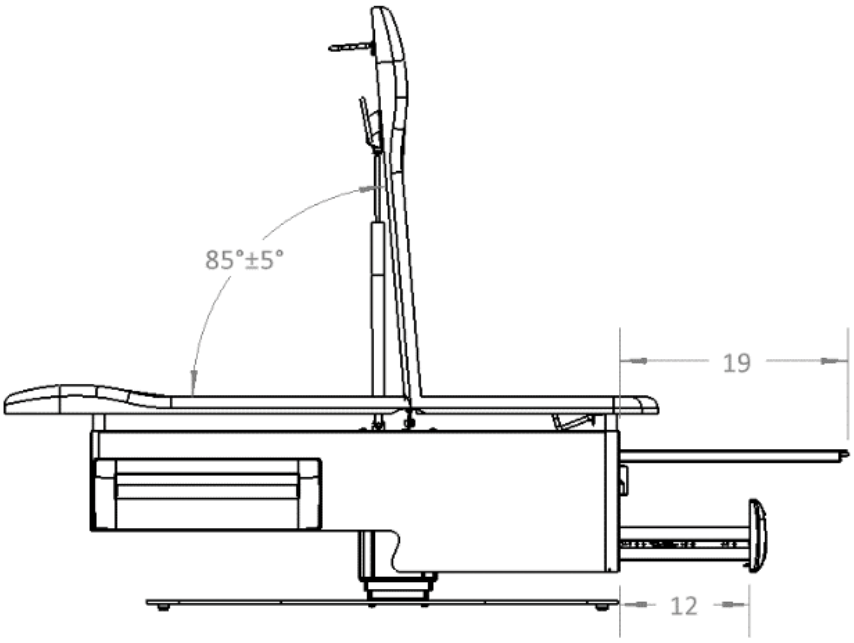
c) As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.

3000 SERIES SPECIFICATIONS

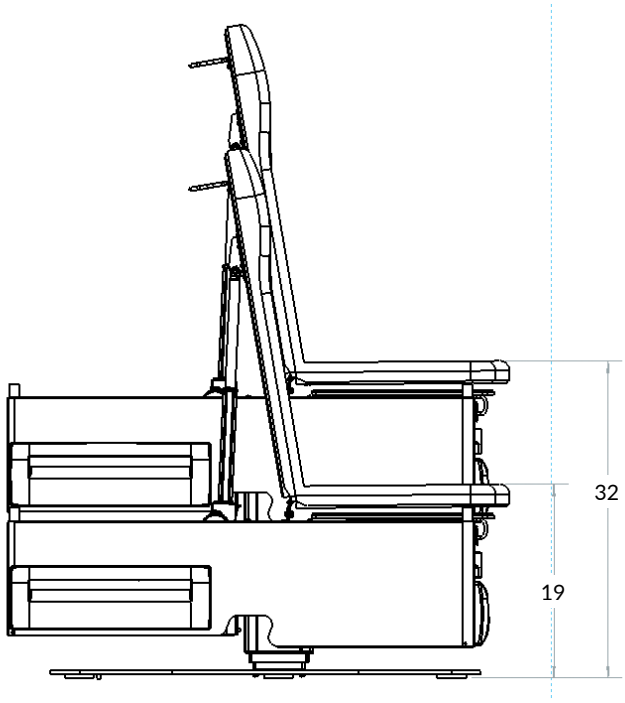
Maximum Patient Weight	500 lbs (226 kg)
Electrical Supply(Standard)	120V 50-60HZ 9AMP
Electrical Supply(Optional)	220V 50-60HZ 5AMP
Power Cord Length	7 FT (2.1 m)
Chair Weight	400 lbs (181 kg)
Paper Roll (Maximum size)	21.0” Long x 3.5” Diameter (53.3 cm x 8.9 cm)
Storage Drawer (Front)	18.3” W x 13.9” D x 3” H (46.5 cm x 35.3 cm x 7.6 cm)
Storage Drawer (Side)	21” W x 17.5” D x 5” H (53 cm x 44 cm x 13 cm)



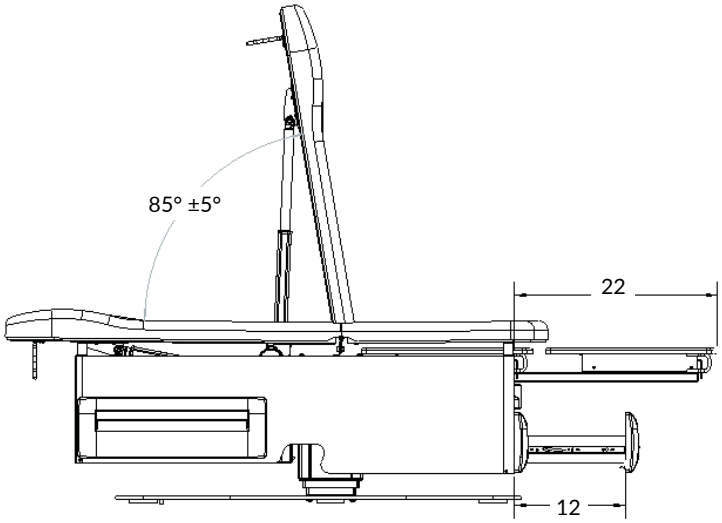


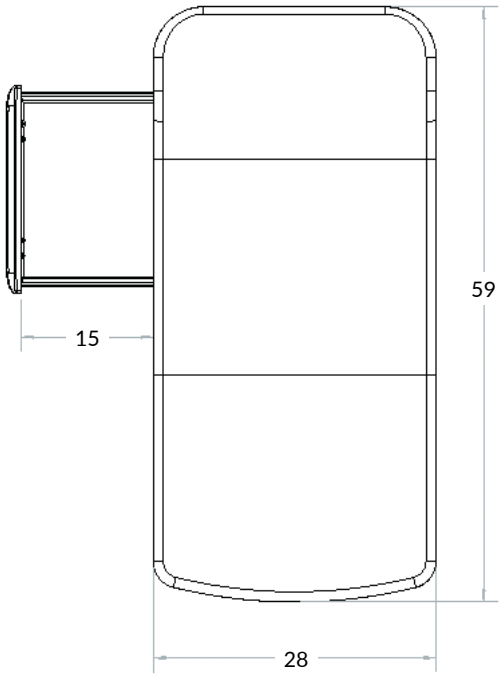


3500 SERIES SPECIFICATIONS



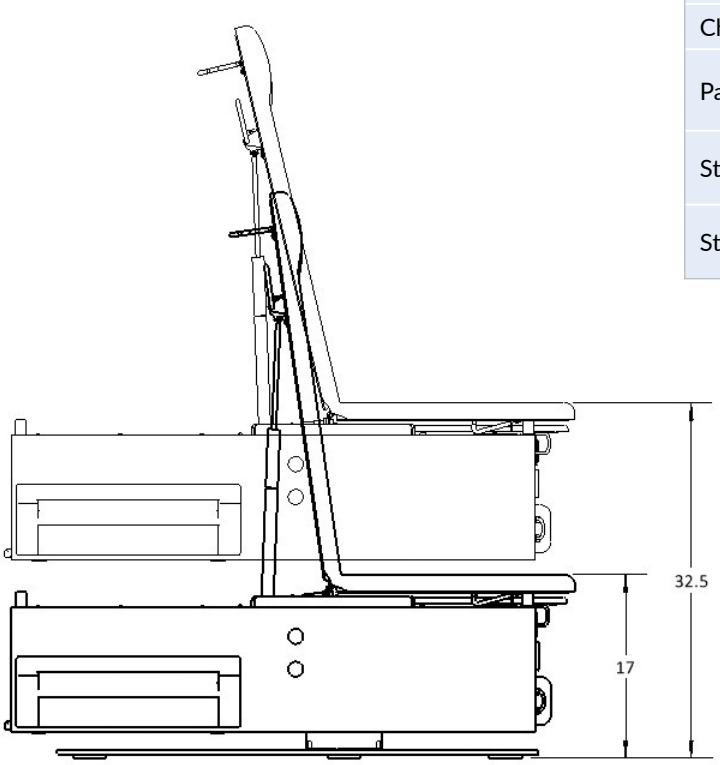
Maximum Patient Weight	500 lbs (226 kg)
3501/3502	
Electrical Supply(Standard)	120V 60Hz 10AMP
Electrical Supply(Optional)	220 60Hz 5.5AMP
3503	
Electrical Supply(Standard)	120V 60Hz 10.5AMP
Electrical Supply(Optional)	220 60Hz 5.8AMP
Power Cord Length	7 FT (2.1 m)
Chair Weight	350 lbs (159 kg)
Paper Roll (Maximum size)	21” Long x 3.5” Diameter (53 cm x 9 cm)
Storage Drawer (Front)	18.3” W x 13.9” D x 3” H (46.5 cm x 35.3 cm x 7.6 cm)
Storage Drawer (Side)	21” W x 17.5” D x 5” H (53 cm x 44 cm x 13 cm)

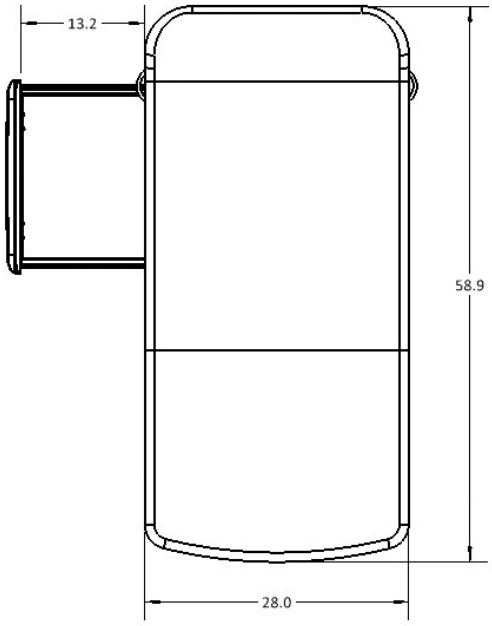


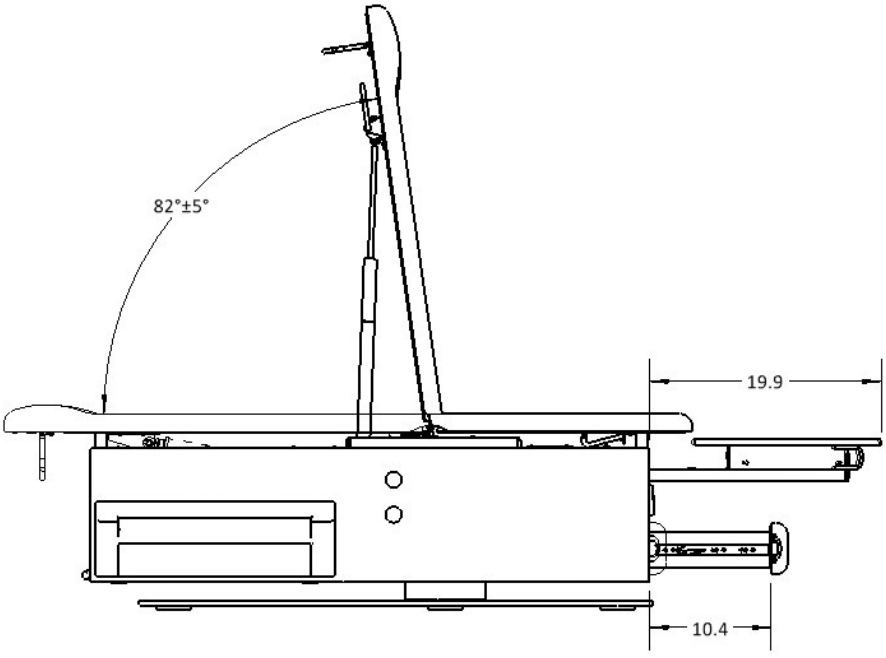


3000-ACCESS SERIES SPECIFICATIONS

Maximum Patient Weight	450 lbs (204 kg)
Electrical Supply(Standard)	120V 50-60HZ 9AMP
Electrical Supply(Optional)	220V 50-60HZ 5AMP
Power Cord Length	7 FT (2.1 m)
Chair Weight	400 lbs (181 kg)
Paper Roll (Maximum size)	21.0” Long x 3.5” Diameter (53.3 cm x 8.9 cm)
Storage Drawer (Front)	18.3” W x 12.6” D x 2.9” H (46 cm x 32 cm x 7 cm)
Storage Drawer (Side)	21” W x 17.5” D x 5” H (53 cm x 44 cm x 13 cm)

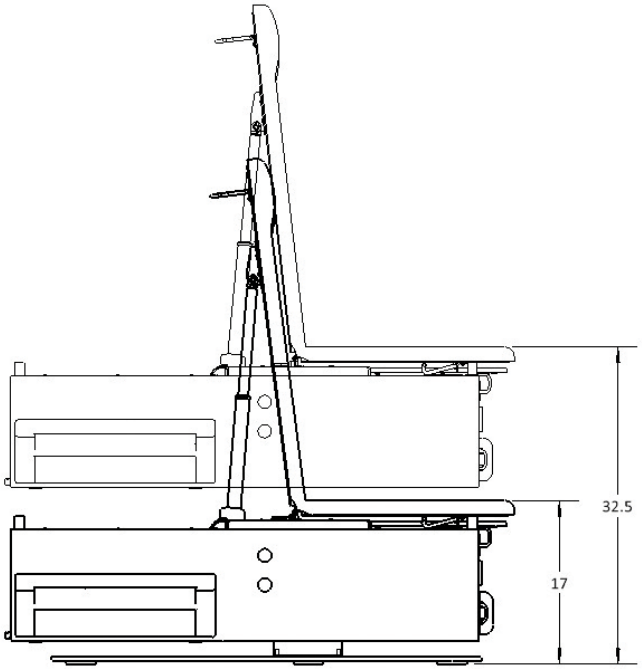


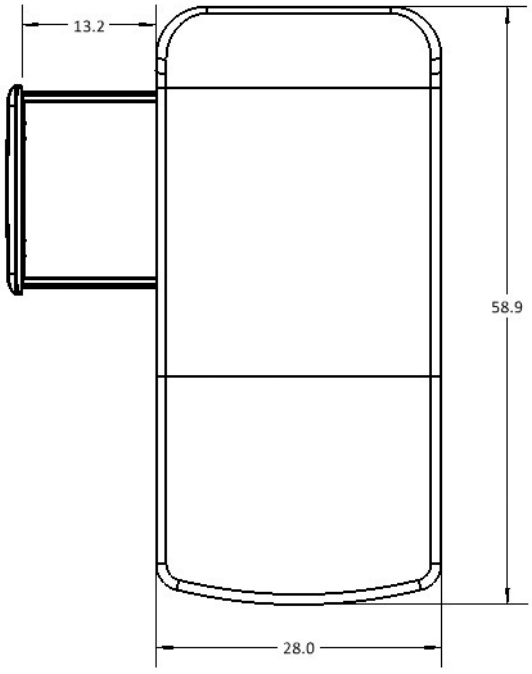


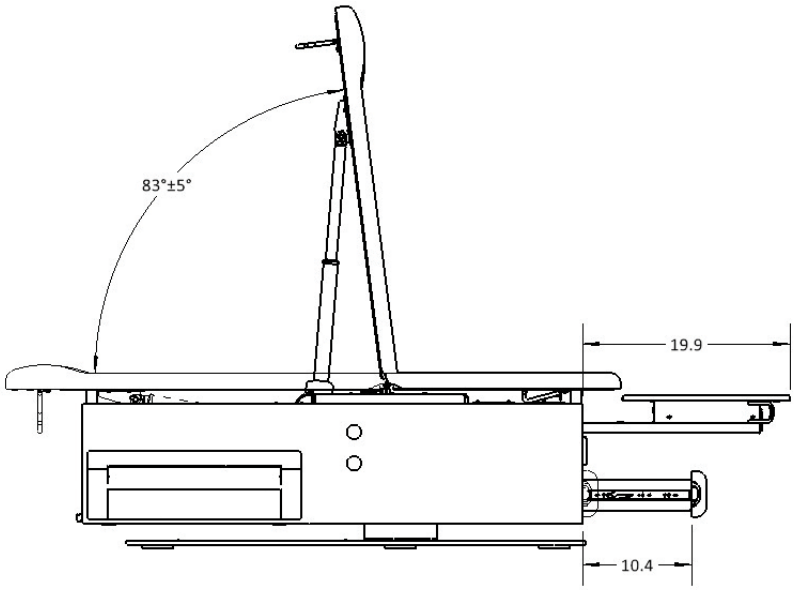


3500-ACCESS SERIES SPECIFICATIONS

Maximum Patient Weight	450 lbs (204 kg)
3501/3502	
Electrical Supply(Standard)	120V 60Hz 10AMP
Electrical Supply(Optional)	220 60Hz 5.5AMP
3503	
Electrical Supply(Standard)	120V 60Hz 10.5AMP
Electrical Supply(Optional)	220 60Hz 5.8AMP
Power Cord Length	7 FT (2.1 m)
Chair Weight	400 lbs (181 kg)
Paper Roll (Maximum size)	21” Long x 3.5” Diameter (53 cm x 9 cm)
Storage Drawer (Front)	18.3” W x 12.6” D x 2.9” H (46 cm x 32 cm x 7 cm)
Storage Drawer (Side)	21” W x 17.5” D x 5” H (53 cm x 44 cm x 13 cm)







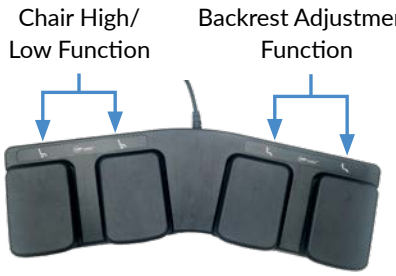
FEATURES AND OPERATION

3000 Series Hand & Foot Control — Chair Operation

Hand Control | Foot Control

Optional (accessory — 581)

3500 Series Hand & Foot Control — Chair Operation



Foot Control

Hand Control

Optional, field-installable accessory

Chair High/Low Function Operation:

Foot Control:

1. Press and hold the “up” button to raise the chair
2. Press and hold the “down” button to lower the chair

Optional Hand Control:

1. Press and hold the “up” button to raise the chair
2. Press and hold the down “button” to lower the chair

WARNING: DO NOT PLACE FOOT CONTROL ON BASE DURING OPERATION

Backrest Adjustment

Foot Control:

1. Press and hold the “up” button to raise the backrest
2. Press and hold the “down” button to lower the backrest

Optional Hand Control:

1. Press and hold the “up” button to raise the backrest
2. Press and hold the “down” button to lower the backrest

WARNING: DO NOT USE BACKREST AS A SEAT. BACKREST IS NOT DESIGNED TO SUPPORT PATIENT’S FULL WEIGHT

WARNING: DO NOT PLACE HANDS OR FINGERS NEAR THE BACK ACTUATOR OR BACKREST HINGE DURING BACKREST ADJUSTMENT

FEATURES AND OPERATION

Storage Drawers

Side Drawer
21” x 17.5” x 5”
(53 cm x 44 cm x 13 cm)

Front Drawer
18.3” x 13.9” x 3”
(46.5 cm x 35.3 cm x 7.6 cm)

Front Drawer
18.3” x 12.6” x 2.9”
(46 cm x 32 cm x 7 cm)

Products placed in optional warming drawer should be checked for proper temperature before use.
Maximum weight for each drawer is not to exceed 10 lbs. (4.5 kg).

Drain Pan

1. Slide the drain pan drawer out to access drain pan.
2. Push drain pan drawer back in when not in use.
3. Drain pan can lift out of the drawer for cleaning purposes.

WARNING: DO NOT USE DRAWER OR DRAIN PAN AS A SEAT OR STEP.

Leg Rest

1. Slide leg section forward until it contacts the two stopper pins.
2. When not in use, push the leg section in to stow.
3. Leg rest capacity should not exceed 100lbs. (45 kg)

WARNING: DO NOT USE THE LEG REST AS A SEAT OR STEP.

FEATURES AND OPERATION

Paper Roll Replacement

Max Roll Size
21” x 3.5” (53 cm x 9 cm)

Slide paper roll off bracket, and slide new paper roll on bracket.

Stirrup Positioning & Adjustment

1. Pull the stirrups out and unfold.
2. Lift slightly and move left or right to desired position.
3. Release stirrup to lock into position.

WARNING: DO NOT SUPPORT THE PATIENT’S ENTIRE WEIGHT WITH THE STIRRUPS. ENSURE STIRRUPS ARE PROPERLY LOCKED PRIOR TO ENGAGING PATIENT’S FEET.

DO NOT USE THE STIRRUPS TO LIFT THE CHAIR.

Pelvic Tilt

1. Lift up the seat, and the pelvic tilt rod will automatically fall into place.
2. To disengage pelvic tilt, lift seat and flip the lever on either side of the seat bottom.

WARNING: ENSURE PELVIC TILT ROD IS LOCKED AND HANDS ARE NOT UNDERNEATH BUMPER WHEN LOWERING SEAT SECTION.

Reversing Side Drawers

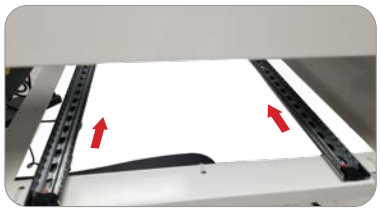
Step 1:

Remove side panel with a screwdriver.

Step 2:

Remove drawer

- Extend drawer
- Slide both tabs, located in the track under the drawer, to the side and hold
- Remove drawer



Step 3:

Slide cages to opposite side of chair.

Step 4:

Align slides and install drawer on opposite side.

- Ensure slide cages are to the front of the track
- Align both drawer tracks with the slide cages
- Slide drawer in completely

Step 5:

Install side panel on opposite side with a screwdriver.

COMMON OPTIONS AND ACCESSORIES

Drawer Warmer

1. Press switch to power “on” and “off”.
2. When switch is in the “on” position, switch will illuminate indicating drawer warmer is activated.
3. During normal operation, the front drawer and its contents should be between 100°F (38°C) and 110°F (43°C). If temperatures exceed 120°F (49°C) contact UMF Medical Customer Service.

WARNING: THE HEATING ELEMENT FOR THE DRAWER WARMER IS LOCATED IN A PANEL ABOVE THE DRAWER, THIS PANEL WILL BE HOT WHILE DRAWER WARMER IS “ON” AND IS NOT TO BE TOUCHED.

Note: Turn off drawer warmer when not in use.

Mobile Caster Base (142)

Concealed retracchair casters can be installed on base to allow for easy chair movement for cleaning.

Chair in LOCKED position

Chair in UNLOCKED in cleaning position

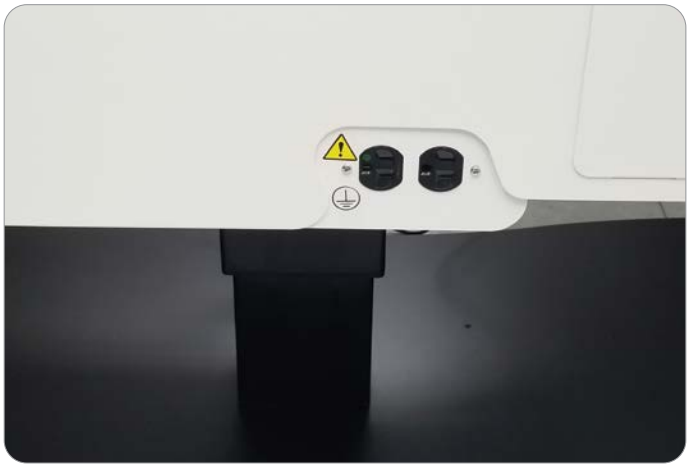
WARNING: CHAIR IS NOT TO BE USED FOR PATIENT TRANSPORT. ENSURE WHEELS ARE IN ‘PATIENT READY’ POSITION PRIOR TO A PATIENT ACCESSING CHAIR.

WARNING: CHAIR IS NOT TO BE USED FOR PATIENT TRANSPORT. CASTERS ARE TO BE USED SOLELY WHEN MOVING CHAIR WITHIN THE EXAMINATION ROOM TO FACILITATE CLEANING UNDERNEATH THE CHAIR. CASTERS ARE NOT TO BE USED DURING INSTALLATION OR FOR TRANSPORT INSIDE OR OUTSIDE OF FACILITY.

CAUTION: LOW GROUND CLEARANCE WHEN CHAIR IS ENGAGED IN CLEANING POSITION. AVOID ROLLING CHAIR OVER OBJECTS GREATER THAN .25” HIGH OR DAMAGE MAY OCCUR.

COMMON OPTIONS AND ACCESSORIES

Hospital Grade Receptacle



WARNING: OUTLET IS FOR MEDICAL EQUIPMENT ONLY.
CAUTION: CHECK GROUND CONTINUITY PERIODICALLY.
120V MAXIMUM OUTPUT - 5.0A, 120V
220V MAXIMUM OUTPUT - 3.0A, 220V

WARNING: MULTIPLE SOCKET OUTLET LOCATED ON SIDE OF CHAIR IS TO BE USED FOR MEDICAL EQUIPMENT ONLY (WHERE SAFETY CERTIFICATION HAS BEEN PERFORMED IN ACCORDANCE WITH IEC 60601-1 AND/OR IEC 60601-1-1). USE OF EQUIPMENT NOT COMPLYING WITH THE EQUIVALENT SAFETY REQUIREMENT OF THIS EQUIPMENT MAY LEAD TO A REDUCED LEVEL OF SAFETY OF THE RESULTING SYSTEM. THE MULTIPLE SOCKET OUTLET LOCATED ON THE BACK SIDE OF THE PANEL, ON THE INSIDE OF THE CHAIR, IS TO BE USED FOR THE POWER SUPPLY FOR THE CONTROL BOX ONLY THIS OUTLET SHOULD NOT BE USED FOR ANY OTHER ITEMS.

WARNING: GROUND RELIABILITY CAN ONLY BE ACHIEVED WHEN POWER SUPPLY IS CONNECTED TO AN EQUIVALENT RECEPTACLE MARKED “HOSPITAL ONLY” OR “HOSPITAL GRADE”. WARNING: ADDITIONAL EXTENSION CORD OR MULTI-SOCKET OUTLET IS NOT TO BE CONNECTED TO CHAIR.

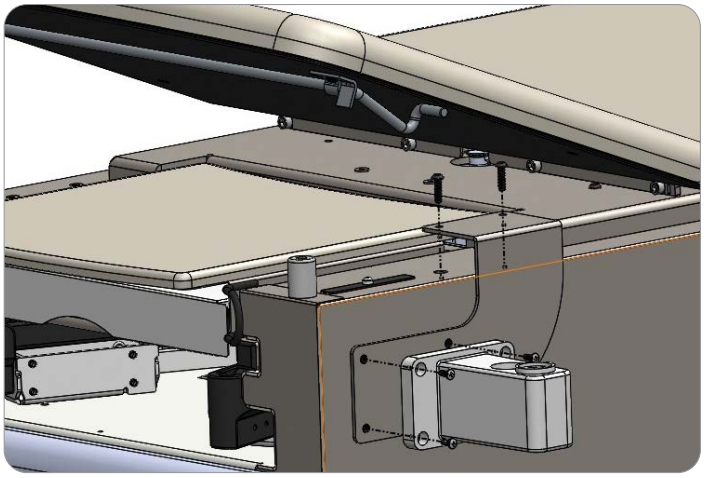
Service Note: If the maximum load of the receptacle is exceeded, two circuit breakers will interrupt power. To reset, toggle the far two circuit breakers located behind the receptacle outlet box in the back of the drawer panel.

COMMON OPTIONS AND ACCESSORIES

Bierhoff Knee Crutch (251-Pair)

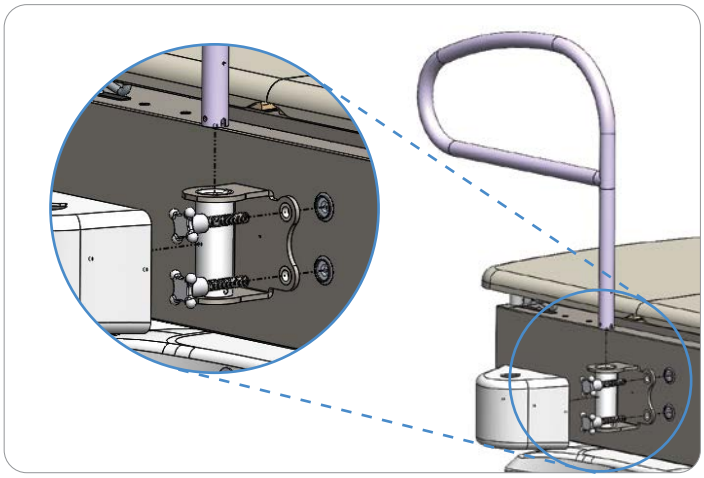
1. Extend stirrups to full-extended position with heel stirrup in retracted position.
2. Insert knurled end of knee crutch rod into hole on end of stirrup.
3. Adjust to position and tighten with slide lock.

Light Bracket



1. Lift upholstered seat and locate the two screw holes on appropriate side of exam chair. i.e. If you purchased a patient right bracket, locate the holes on the patient right.
2. Place the bracket onto exam chair as shown. Insert screws and use 5/32" Allen Wrench to tighten.
3. Once bracket is secure, lower upholstered seat to original position.
4. Align the Welch Allyn light fixture holes with the four holes on the side of bracket as shown, and tighten screws with Phillips head screw driver.
5. Attach light as directed in manufacturer's instruction manual.

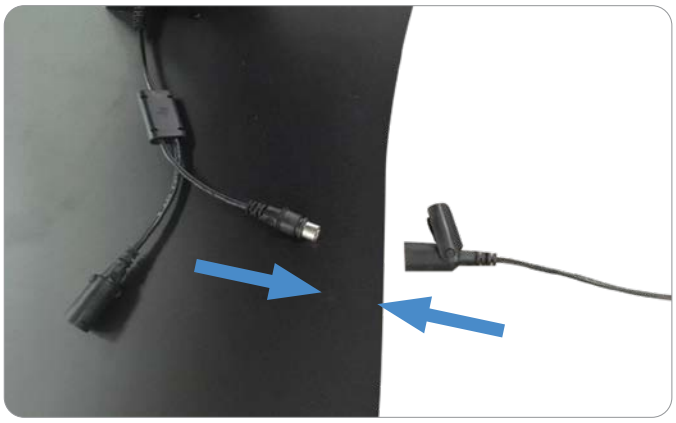
TruComfort Support Rails



1. Remove the plugs from the holes on either side of the exam chair.
2. Align the two support rail bracket holes with the two holes on the side of exam chair as shown.
3. Insert one pin at a time and screw into the chair until secure.
4. Place support rail cover over the bracket so the top holes align and the cover magnets secure to the chair body panel.
5. Insert the support rail tube into the cover hole until it locks into place.

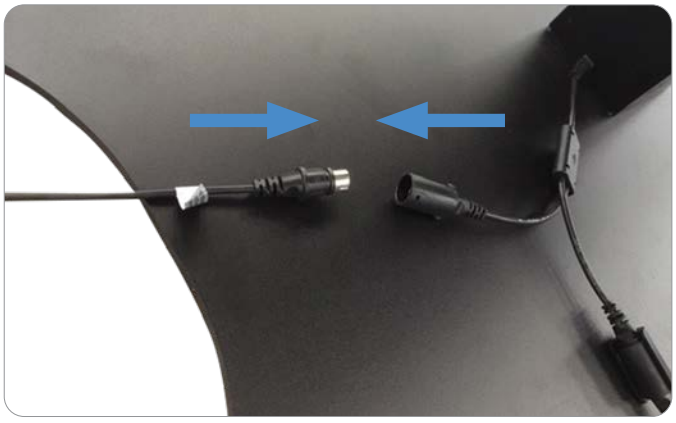
3000 SERIES CABLE CONNECTION

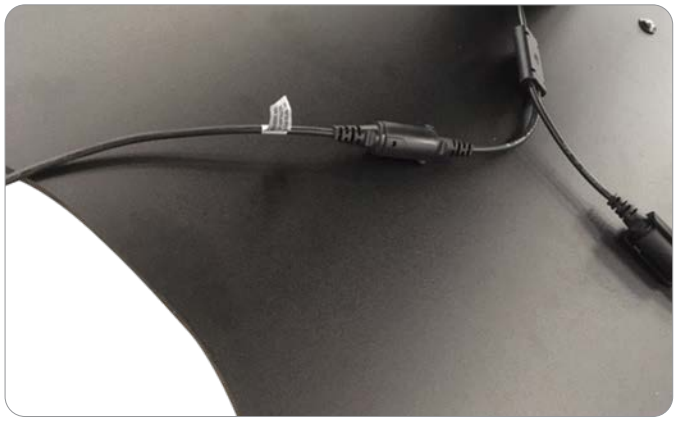
Plug Power Cable into Column



Flip Cable Lock Down

Plug Control Cable Into column





Note: Make sure to position chair such that the access to the cable connection is not impeded under normal use.

Plug Power Supply Into Wall (3000 Series Only)

1. This is an image of the chair's power supply. When plugged in, the indicator light should be illuminated indicating the power supply is operating correctly

Note: The chair does not have an on/off switch so whenever the power supply is plugged in and connected to the column, the chair is operable.

Plug Power Cord Into Wall Outlet (3500 Series Only)

1. This is an image of the chair's power cord plugged into a standard wall outlet.

Note: The chair does not have an on/off switch so whenever the power cord is plugged in, the chair is operable.

EQUIPMENT CARE

Proper Sterilization Instructions

Care of upholstery

The upholstery material used on the top, leg rest, an headrest is resistant to most medical stains.

For light cleaning:

1. A solution of 10% liquid soap and clean water applied with a soft damp cloth will remove disinfection cleaner build-up.
2. If necessary, a solution of liquid cleanser and water can be applied with a soft bristle brush. Wipe away residue with a water-dampened cloth.

For disinfection:

1. Dampen a soft white cloth with a solution of standard bleach (sodium hypochlorite) or other chlorine-based cleaner*** and water; 10% bleach, 90% water.
2. Rub gently.
3. If necessary, allow the 1:10 diluted bleach (sodium hypochlorite) solution to puddle on the affected area or apply with a clean, soaked cloth for approximately 30 minutes. Rinse with a water-dampened cloth to remove any remaining bleach concentration.
4. Rinse with a water-dampened cloth to remove cleaner solution and allow thorough drying of material.

****See current CDC Guideline for Disinfection & Sterilization in Healthcare Facilities for bleach alternative cleaners.*

Note: Immediately remove any fluid spilled on upholstery surface.

Antimicrobial: UMF Medical Upholstery providers outstanding protection in difficult medical and healthcare environments and contains an agent effective against bacterial and fungal microorganisms.

Care of painted surfaces

A chemical acid-resistant paint is used, but extreme care must be taken not to use ammonia-based cleaners or discoloration of paint may occur. A damp cloth or mild liquid soap solution should be sufficient.

Care of bright metal surfaces

All non-painted surfaces, chrome plated, or stainless steel should be wiped weekly with a clean damp cloth then buffed to a lustrous shine with a soft dry cloth.

Care of base

The protective base is easily washable with mild liquid soap and water. A soft bristle brush may be used on scuffed stained areas.

CAUTION: WHEN THE USE OF STRONG CLEANING SOLUTIONS IS NECESSARY, TEST AN INCONSPICUOUS AREA TO ASSURE THAT DAMAGE TO UPHOLSTERY OR PAINTED SURFACES WILL NOT OCCUR.

Note: Lay backrest flat for cleaning and disinfection. Allow to dry for 10 minutes before returning to upright position.

QUESTIONS, COMMENTS OR SERVICE REQUESTS

Contact:

UMF Medical Customer Service
1316 Eisenhower Blvd
Johnstown, PA 15904

Toll Free: 1(800) 638-5322
Email: customerservice@umfmedical.com
Fax: 1(814) 266-1870

** For service requests, please have model % serial number available.*

DISPOSAL INFORMATION

1. When disposing of your equipment, there are no batteries, harmful chemicals, or other potentially hazardous items contained within the equipment that require any special disposal precautions.
2. Metal, plastic, and other components of chair can be disassembled and recycled if desired.

Exam Chair Upholstery with PreFixx® Protective Finish

Helping to enhance infection prevention initiatives

In laboratory testing, upholstery protected with PreFixx® finish was treated with the following disinfectants with little to no discoloration or damage to the upholstery. This testing may not reflect actual results in the field.*

Recommended Disinfectants**

- Ecolab Quaternary Disinfectant Wipes
- Agar™ Powerquat
- Asepticare™
- Asepticare™ TB-II
- AVISTAT-D™ Ready To Use Spray Disinfectant Cleaner
- Biotrol BirexSE®
- Bleach 1:5 (20% bleach)
- Bleach 1:9 (10% bleach)
- Bleach-Rite® Disinfecting Spray
- CaviCide™
- CaviCide1™
- CaviCide™ AF
- Clorox® Broad Spectrum Quaternary Disinfectant Cleaner
- Clorox® Healthcare Bleach Germicidal Cleaner
- Clorox® Healthcare Bleach Germicidal Wipes
- Clorox® Healthcare EZ-KILL® Wipes
- Clorox® Healthcare VersaSure® Cleaner Disinfection Wipes
- Clorox® Hydrogen Peroxide Cleaner Disinfectant Spray
- Clorox® Hydrogen Peroxide Cleaner Disinfectant Wipes
- Diversey™ Accel® INTERVention® Wipes
- Diversey™ Avert® Sporicidal Disinfectant Cleaner
- ERC Performance Wipes
- McKesson Disposable Germicidal Surface Wipes
- McKesson Pro-Tech RTU Disinfectant Cleaner
- OPTIM® 1 Wipes
- OPTIM® 33TB
- Oxivir® 1 RTU
- Oxivir® Five 16
- Oxivir® TB
- OxyCide™ Daily Disinfectant Cleaner
- PDI Sani-Cloth® AF3 Germicidal Disposable Wipes
- PDI Sani-Cloth® HB
- PDI Sani-Cloth® Plus
- PDI Sani-Cloth® Prime Germicidal Disposable Wipe
- PDI Super Sani-Cloth®
- PDI Super Sani-Cloth® Bleach Germicidal Disposable Wipes
- Precise QTB Spray
- PROCHEM® Oxy Plus
- Purell® Healthcare Surface Disinfectant
- Purell® Multi-Surface Disinfectant
- Sani Professional® Cleaning + Degreasing Multi-Surface Wipes
- Sani Professional® Multi-Surface Cleaning Wipes
- Sani Professional® No-Rinse Sanitizing Multi-Surface Wipes
- SaniZide® Plus
- STERI-7 XTRA CONCENTRATE (recommended dilution ratio 1:10)
- STERI-7 XTRA WIPES
- Vert-2-Go ED
- Virox AHP 5
- Virox PREempt™ RTU
- Virex® II 256
- Virex® Plus One-Step Disinfectant Cleaner & Deodorant
- Wayne® Concept 256N
- Wex-Cide 128

**All disinfectants and cleaning agents contain chemicals that degrade coated fabric upholstery to some extent. To promote a long product life, it is recommended that the PreFixx cleaning and maintainance protocol be employed regularly.*

***Recommended disinfectants are only recommended when following the disinfectant manufacturer's instructions for application, and inclusion in this document does not imply "fit for use." Customers should first determine if products are appropriate for use on their surfaces.*

Care & Cleaning

Use one of the following cleaners with a soft cloth or damp sponge. Rinse area with fresh water then dry with a clean, lint-free cloth.

Primary Recommended Cleaner

- Formula 409 All-Purpose spray cleaner
- Fantastik spray cleaner

Secondary Recommended Cleaners

- Lysol Clean and Fresh Multi-Surface Cleaner (Reckitt Benckiser)
- Lestoil Heavy Duty Cleaner (Clorox)
- Mr. Clean / Flash Clean and Shine (Procter and Gamble)
- Eco Touch All Purpose Premium Care

For more difficult stains, contact UMF Medical Customer Service.

WARRANTY INFORMATION

Warranty Program

UMF Medical warrants to the original purchaser a warranty for products to be free from functional defects in material and workmanship under normal interior use and service. UMF Medical's obligation under this warranty is limited to the repair or replacement, at UMF Medical's option, of the parts or the products the defects of which are reported to UMF Medical within the applicable warranty period and which upon examination by UMF Medical prove to be defective. Warranty subject to the terms and conditions listed below.

Length of warranty, measured by Purchase Date (Invoice Date), for all warranted products and components:

Five years:	Signature Series Examination Chairs (52xx model numbers and Treatment and Orthopedic Chairs (55xx model numbers). Ultra-Comfort adjuschair backrest cylinder not included.
Three years:	Power Exam and Procedure Chairs and all other UMF Medical products excluding the products listed in Five Year and One Year categories of this document.
One year:	Waste Receptacles, Bassinet Baskets, Bassinet Mattresses and ultra-comfort adjuschair backrest cylinder.

Obtaining Warranty Service

Warranty service must be obtained by contacting either the Authorized Distributor through whom the product was purchased or UMF Medical Customer Service Department via phone at 814-266-8726, or via email at customerservice@umfmedical.com.

This warranty covers the cost associated with the repair parts only and does not cover any other charges, including but not limited to service calls, labor, transportation, shipping, etc. It is the retail customer's obligation to arrange delivery of a product to UMF Medical or one of its authorized distributors for warranty service, which delivery shall be at the retail purchaser's expense. It is also the retail purchaser's obligation to comply with the warranty service instruction provided by UMF Medical or its authorized distributor. The retail purchaser must provide UMF Medical with completed warranty registration information within thirty days after purchase in order to obtain the benefits of this warranty.

Limited warranty general exceptions and exclusions

This warranty does not cover and UMF Medical shall not be liable for the following:

- Parts and products of a consumable nature;
- Defects, damage or other conditions caused, in whole or in part, by mishandling, misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- Products which are not installed, used, and properly cleaned and maintained as required in the UMF Medical installation and/or Owner's Manual for the applicable product;
- Replacement parts, alterations or installation of any accessories or parts not manufactured or recommended by UMF Medical;
- Cosmetic and non-functional defects not noted at time of delivery.
- Charges for repairs, replacement parts, adjustments, installation or other work performed upon or in connection with products which are not expressly authorized in writing in advance by UMF Medical.
- Damages resulting from inadequate power supply (including incorrect voltage, voltage spikes or other irregularities) or use or storage in corrosive atmospheres.

To the extent any or all of the following exclusions or provisions of this warranty are prohibited by any federal, state, or municipal law which cannot be preempted, those exclusions or provisions shall not be applicable.

Exclusive Remedy: Consequential Damages Disclaimer

UMF Medical's only obligation under this warranty is the repair or replacement of defective parts. UMF Medical shall not be liable for and hereby disclaims any direct, special, indirect, incidental, exemplary or consequential damages or delays, including but not limited to, damages for loss of profits or income, loss of use, downtime, employee or independent contractor wages, payments and benefits, commercial loss or other incidental charges.

No Authorization

No person or firm is authorized to create or approve for UMF Medical any other obligation or liability in connection with the products.

Warranty Disclaimer

THIS WARRANTY IS UMF MEDICAL'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. UMF MEDICAL MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.
No action may be brought against UMF Medical for breach of this limited warranty, an implied warranty, if any, or for any other claim arising out of or relating to the products following expiration of the limited warranty period.
UMF Medical reserves the right to make changes in the design or material of its products without incurring any obligation to incorporate such changes in any product previously manufactured.

FUSION 3000 & 3500 MODELS

(Model numbers may contain additional suffixes for various chair options)

3001:
FusionONE Power Exam Chair with Manual Back and Classic Upholstery – No stirrups

3001-500-105:
FusionONE Power Exam Chair with Manual Back and Premium Upholstery – No stirrups

3002:
FusionONE Power Exam Chair with Manual Back, Stirrups and Classic Upholstery

3002-500-105:
FusionONE Power Exam Chair with Manual Back, Stirrups and Premium Upholstery

3002-500-300:
FusionONE ProGlide Power Exam Chair with Manual Back, Stirrups, OneTouch WheelBase System and Classic Upholstery

3002-500-305:
FusionONE ProGlide Power Exam Chair with Manual Back, Stirrups, OneTouch WheelBase System and Premium Upholstery

3003:
FusionONE Power Exam Chair with Manual Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet and Classic Upholstery

3003-500-105:
FusionONE Power Exam Chair with Manual Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet and Premium Upholstery

3003-500-300:
FusionONE ProGlide Power Exam Chair with Manual Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, OneTouch WheelBase System and Classic Upholstery

3003-500-305:
FusionONE ProGlide Power Exam Chair with Manual Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, OneTouch WheelBase System and Premium Upholstery

3501:
FusionONE+ Power Exam Chair with Power Back and Classic Upholstery

3502:
FusionONE+ Power Exam Chair with Power Back, Stirrups, and Classic Upholstery

3502-500-105:
FusionONE+ Power Exam Chair with Power Back, Stirrups, and Premium Upholstery

3502-500-300:
FusionONE+ ProGlide Power Exam Chair with Power Back, Stirrups, OneTouch WheelBase System and Classic Upholstery

3502-500-305:
FusionONE+ ProGlide Power Exam Chair with Power Back, Stirrups, One Touch WheelBase System and Premium Upholstery

3503:
FusionONE+ ProGlide Power Exam Chair with Power Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet and Classic Upholstery

3503-500-105:
FusionONE+ ProGlide Power Exam Chair with Power Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet and Premium Upholstery

3503-500-300:
FusionONE+ ProGlide Power Exam Chair with Power Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, OneTouch WheelBase System and Classic Upholstery

3503-500-305:
FusionONE+ ProGlide Power Exam Chair with Power Back, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, OneTouch WheelBase System and Premium Upholstery

3001-ACCESS:
FusionFREEDOM Exam Chair with Manual Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Standard Base and Classic Upholstery – No Stirrups

3002-ACCESS:
FusionFREEDOM Exam Chair with Manual Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, Standard Base and Classic Upholstery

3002-450-300-ACCESS:
FusionFREEDOM ProGlide Exam Chair with Manual Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, OneTouch WheelBase System and Classic Upholstery

3003-ACCESS:
FusionFREEDOM Exam Chair with Manual Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, Standard Base and Classic Upholstery

3003-450-300-ACCESS:
FusionFREEDOM ProGlide Exam Chair with Manual Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, OneTouch WheelBase System and Classic Upholstery

3502-ACCESS:
FusionFREEDOM Exam Chair with Power Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, Standard Base and Classic Upholstery

3502-450-300-ACCESS:
FusionFREEDOM ProGlide Exam Chair with Power Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, OneTouch WheelBase System and Classic Upholstery

3503-ACCESS:
FusionFREEDOM Exam Chair with Power Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, Standard Base and Classic Upholstery

3503-450-300-ACCESS:
FusionFREEDOM ProGlide Exam Chair with Power Back, 450-lb Weight Capacity, ADA 17-inch Low Seat Height, Stirrups, Pelvic Tilt, Drawer Warmer, Electrical Outlet, OneTouch WheelBase System and Classic Upholstery

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