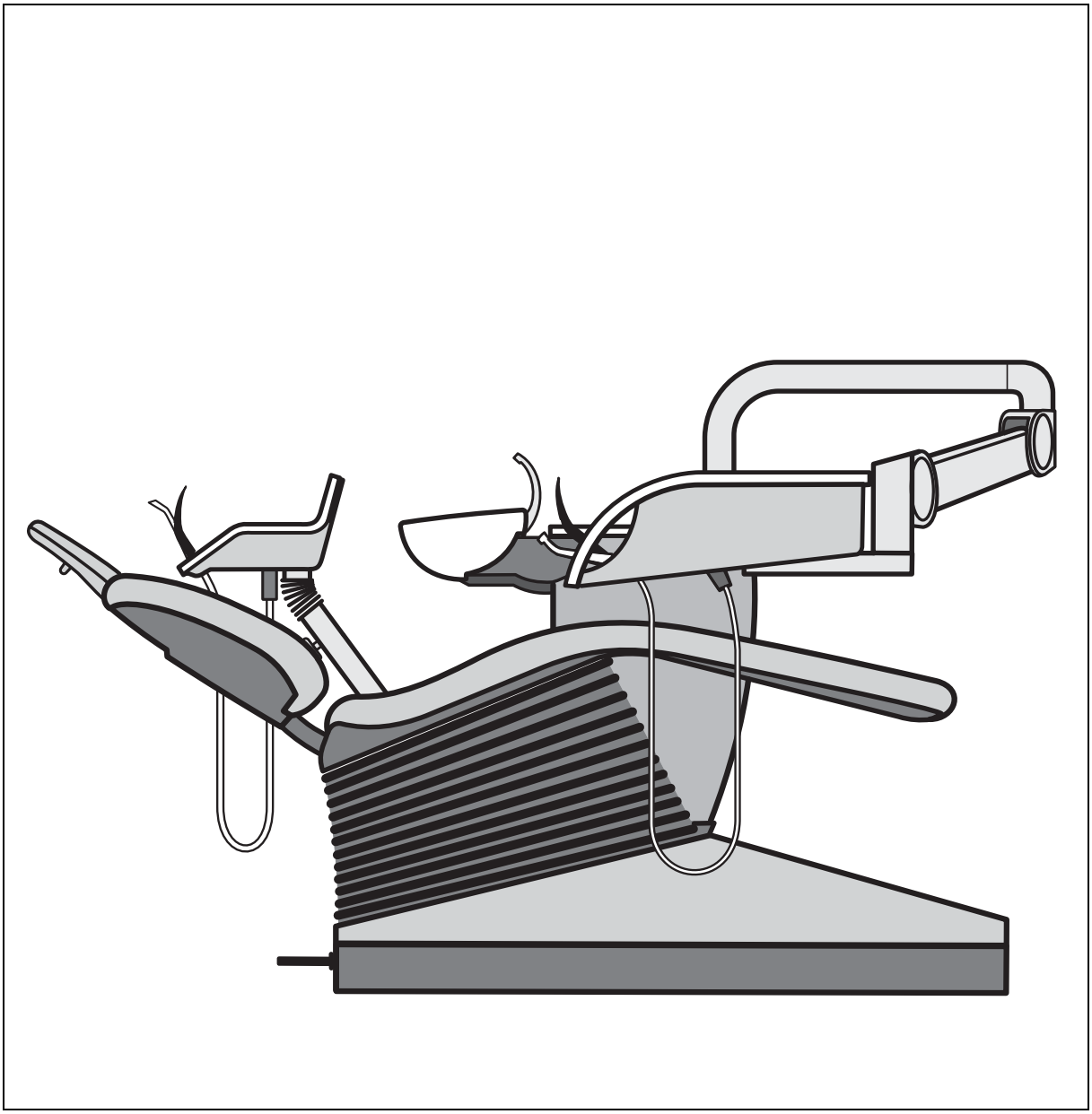
New as of: 10.2014

sirona
The Dental Company

C5+, C5+Turn

Installation Requirements

English



General information

About this document

This document describes the installation requirements for the C5+, C5+Turn dental treatment centers.

The following sets of Installation Instructions describe the subsequent installation procedure:

- REF 59 57 472 (C5+)
- REF 59 74 675 (C5+ Turn)

You will also need the following drilling template in order to fasten the treatment center securely to the floor:

- REF 58 71 673

New as of: 10.2014

Changes since the last version 06.2013:

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The Dental Company

1 Preparations

C5+, C5+Turn

1.1 Safety

Identification of the danger levels

To prevent personal injury and material damage, please observe the warning and safety information provided in the present Operating Instructions. Such information is highlighted as follows:

DANGER

An imminent danger that could result in serious bodily injury or death.

WARNING

A possibly dangerous situation that could result in serious bodily injury or death.

CAUTION

A possibly dangerous situation that could result in slight bodily injury.

NOTICE

A possibly harmful situation which could lead to damage of the product or an object in its environment.

IMPORTANT

Application instructions and other important information.

Tip: Information on making work easier.

General safety information

WARNING

The installation must be carried out in accordance with the requirements stated in our Installationsvoraussetzungen.

WARNING

Installation may be carried out only by personnel specifically authorized by Sirona.

WARNING

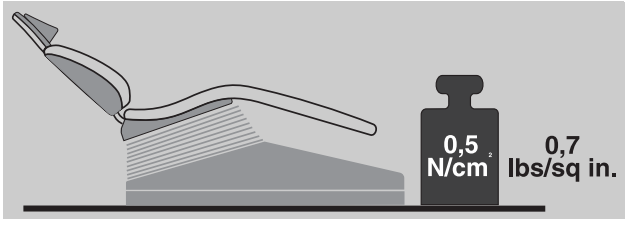
For reasons of product safety, this product may be operated only with original Sirona accessories or third-party accessories expressly approved by Sirona. The user is responsible for any damage resulting from the use of non-approved accessories. If any equipment not approved by Sirona is connected, it must comply with the applicable standards, e.g.:
• IEC 60950-1 for information technology equipment and
• IEC 60601-1 for medical electrical equipment.
In case of doubt, contact the manufacturer of the system components.

WARNING

Any person who assembles or modifies a medical electrical system complying with the standard IEC 60 601-1 Chapter 16 by combining it with other equipment (e.g. by connecting a PC) is responsible for ensuring that the requirements of this regulation are met to their full extent for the safety of the patients, the operators and the environment.

NOTICE

The floor must be flat and level (DIN 18 202). A mounting plate must be used for uneven floors (see Section 1.6, "Mounting plates for equipment with fixed cuspidor (not for C5+ Turn)" on page 13).



CAUTION

The floor must have a minimum loading capacity of 0.5N/cm².

CAUTION

Interference of electromedical devices caused by radio telephones:
To ensure the operational readiness of electromedical devices, the use of mobile radio telephones in the practice or hospital area is prohibited.

CAUTION

Electromagnetic compatibility: *The unit should not be operated in the immediate vicinity of other devices. If this proves to be unavoidable, the unit should be monitored to ensure that it is operating properly.*

1.2 Connection to the public drinking water supply

Treatment center with isolation from public drinking water supply

Provided it is equipped with a disinfection system, the treatment center fulfills the requirements of EN 1717 (free outlet with sections ≥ 20 mm and the German Gas and Water Association (DVGW). It is intrinsically safe in accordance with worksheet W540 and therefore also fulfills the W270 requirements as well as the requirements for plastics used in the transport of drinking water. It can be connected directly to the public drinking water supply.

The treatment center therefore also bears the symbol for the German Gas and Water Association (DVGW) along with the rating plate.

Treatment center without isolation from public drinking water supply

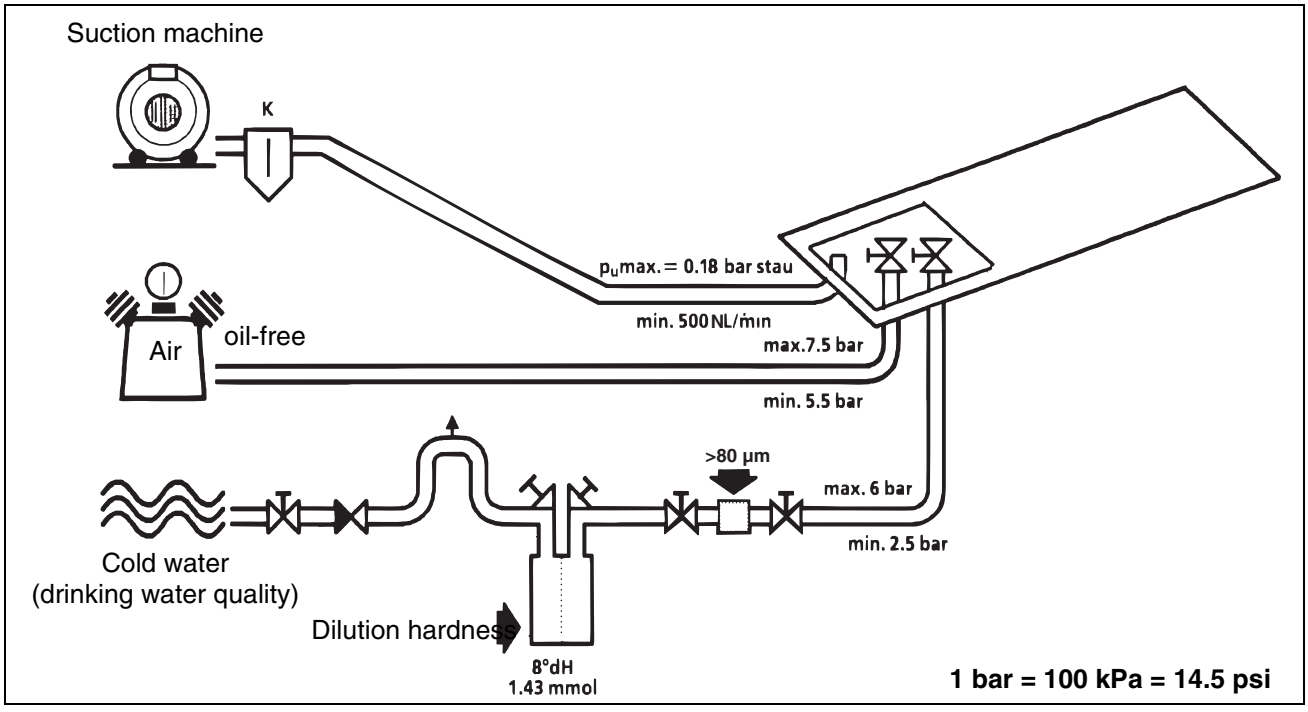
If compliance with EN 1717 is stipulated nationally, appropriate equipment must be installed beyond the treatment center to protect the public drinking water system.

This applies to device versions without a disinfection system.

The treatment center then does not bear the DVGW icon.

Please always adhere to the national requirements with regard to connecting treatment centers to the public drinking water supply.

1.3 Media quality



Water quality

Lime deposits and corrosion residues in tap water can lead to the following malfunctions:

- Premature clogging of the filters in the unit
- Rapid clogging of the fine water paths and jets in the treatment instruments

For these reasons, the following points must be observed:

- Permitted water pressure: 2.5 bar (36.25 psi) to 6 bar (87 psi)
- Permitted minimum flow volume: 3 l/min
- For water hardness (total hardness) of 2.2 mmol/l (= 12 °dH), install water softeners.
  Set the blend hardness to 1.4 mmol/l (= 8 °dH).
- Install a conventional fine filter; fineness: > 80 µm (0.08 mm).
- Installation must be performed in compliance with the recommendations of the national installation requirements (e.g. EN 1717).
- The water quality must comply with the national requirements for drinking water.
- The connection must be made to cold water.
- When laying the water pipe to the treatment center, comply with the following instructions to reduce the quantity of micro-organisms in the feed pipe:
  - Avoid long stub lines to the treatment center.
  - Carry out the installation so that, where possible, other main consumers (such as the sink) are fed from the same line downstream of the treatment center connection.
  - Avoid laying the supply line parallel to hot water pipes.
- Observe EN 1717 concerning protection of the public drinking water supply. For details please refer to chapter „Connection to the public drinking water supply” on page 7.

Air quality

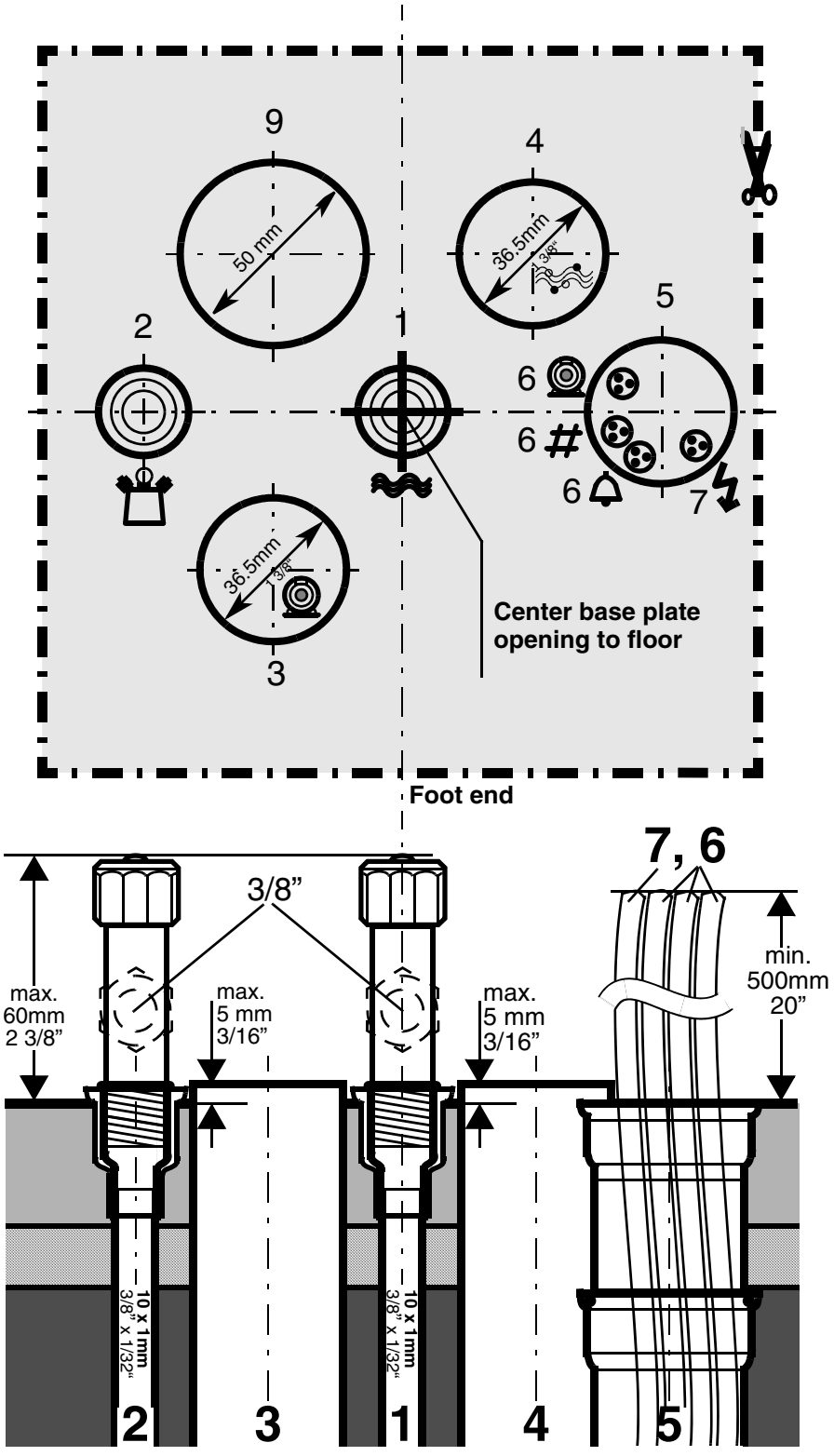
The air for driving the turbines, for cooling the drives and for the cooling spray must be free from oil, dry and hygienically faultless.

Suction pipe

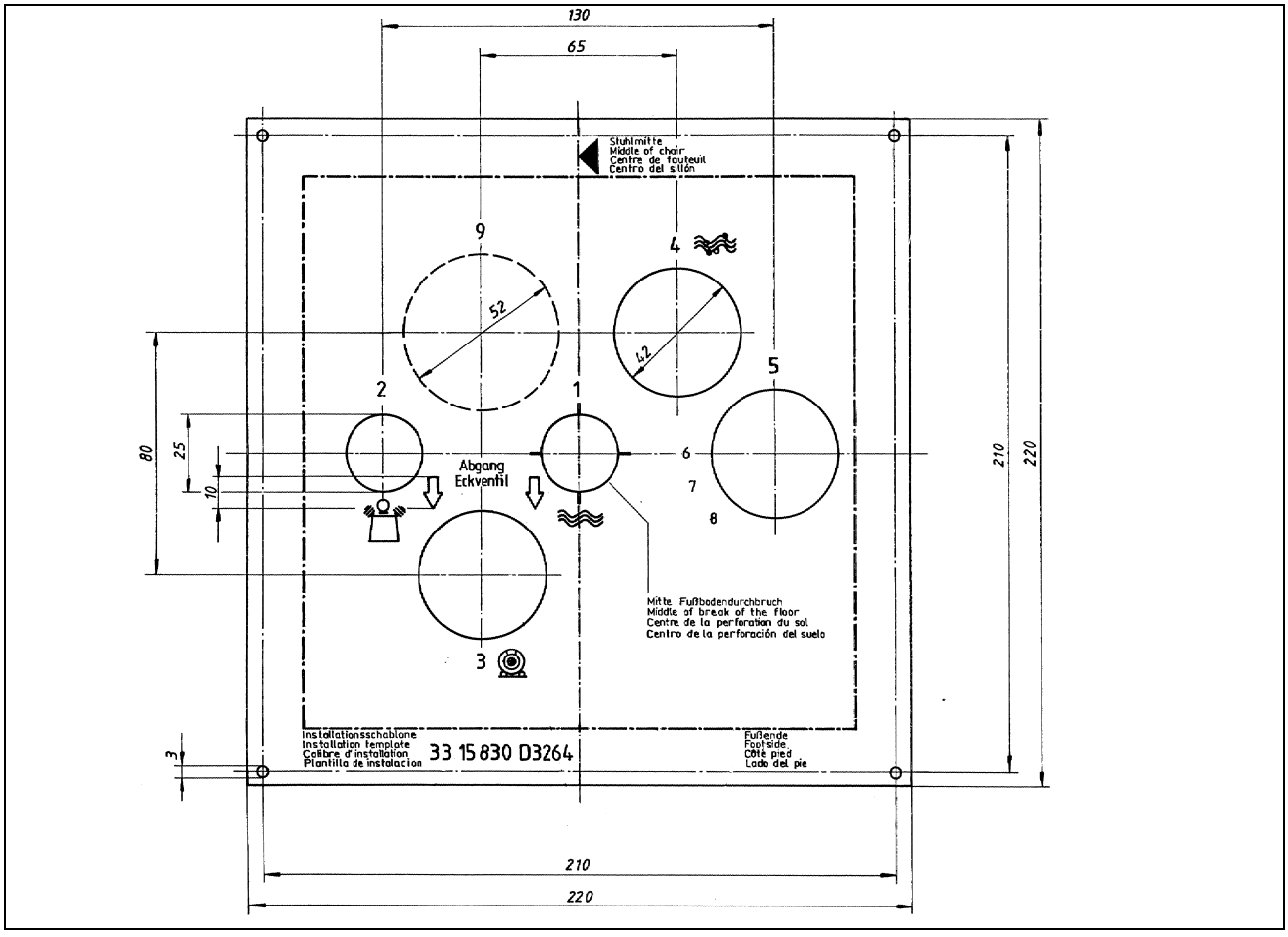
Install steam trap **K**.

With a vacuum of pu >0.18 bar back pressure on the bottom connection, the treatment center must be retrofitted with the "Vacuum limiter" retrofit kit (REF 59 68 826).

1.4 Supply lines in the termination panel



Supply lines in the termination panel



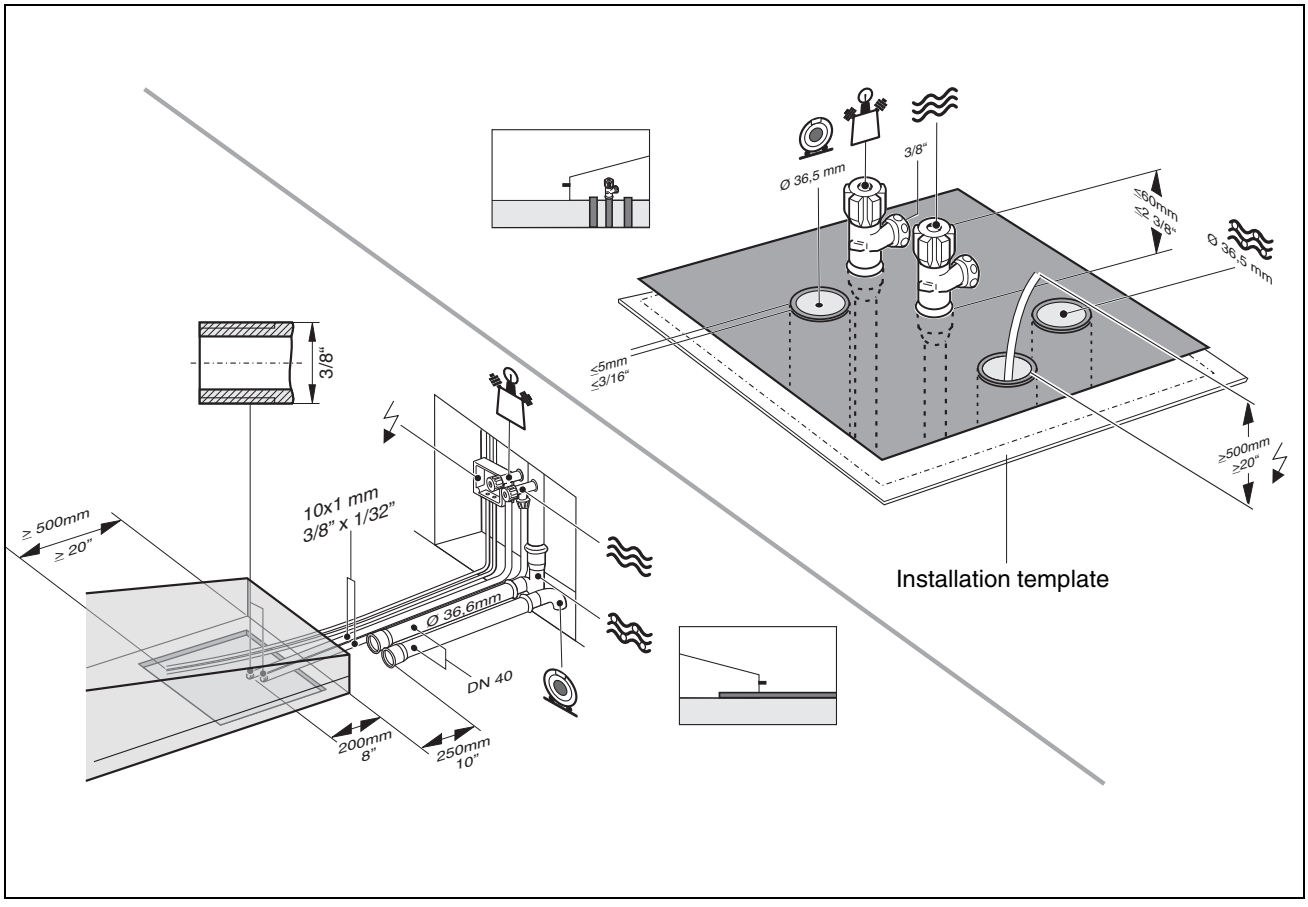
- Observe the national regulations for electrical installations (e.g. VDE 0100, VDE 0100, Part 710).
- Comply with the national regulations for water supply installations (e.g. EN 1717) and sewage installations (e.g. EN 12056-1).
- For the suction pipe, observe the instructions in the **Suction Machine Installation Instructions**.
- For fastening the pipe ends in the installation field, we recommend using an **installation template.** They can be ordered from Sirona under **REF 33 15 830**.

  If necessary, you can also prepare the template yourself based on the above sketch (not true to scale!).

Table 1: Supply lines

Item	Description
1	**Water inlet** pipe 10x1 mm, corner valve outlet 3/8"
2	**Compressed air inlet** pipe 10x1mm, corner valve outlet 3/8"
3	**Suction pipe** DN40 HT-PP DIN 19560 (polypropylene, **inner diameter 36.5mm!**)
4	**Water drain** DN40 HT-PP DIN 19560 (polypropylene, **inner diameter 36.5mm!)**
5	**Installation pipe**, DN40 HT-PP DIN 19560 (polypropylene, 40mm!)
6	**Suction machine control cable** (◎)and **call cables** (#,🔔) 3x1.5mm^2
7	**Power cable** 3x1.5mm^2 Fuse: 16A slow-blow Recommended: Type B automatic circuit breaker
8	Not applicable
9	Installation pipe (or corresponding flat duct) for additional requirement e.g. practice network connecting cable

Supply lines in the termination panel



Supply above the floor, "above-floor installation"

The supply pipe ends, corner valves and cables must be routed as shown above.

The retrofit kit for above-floor installation (REF 33 17 265) is required for installation.

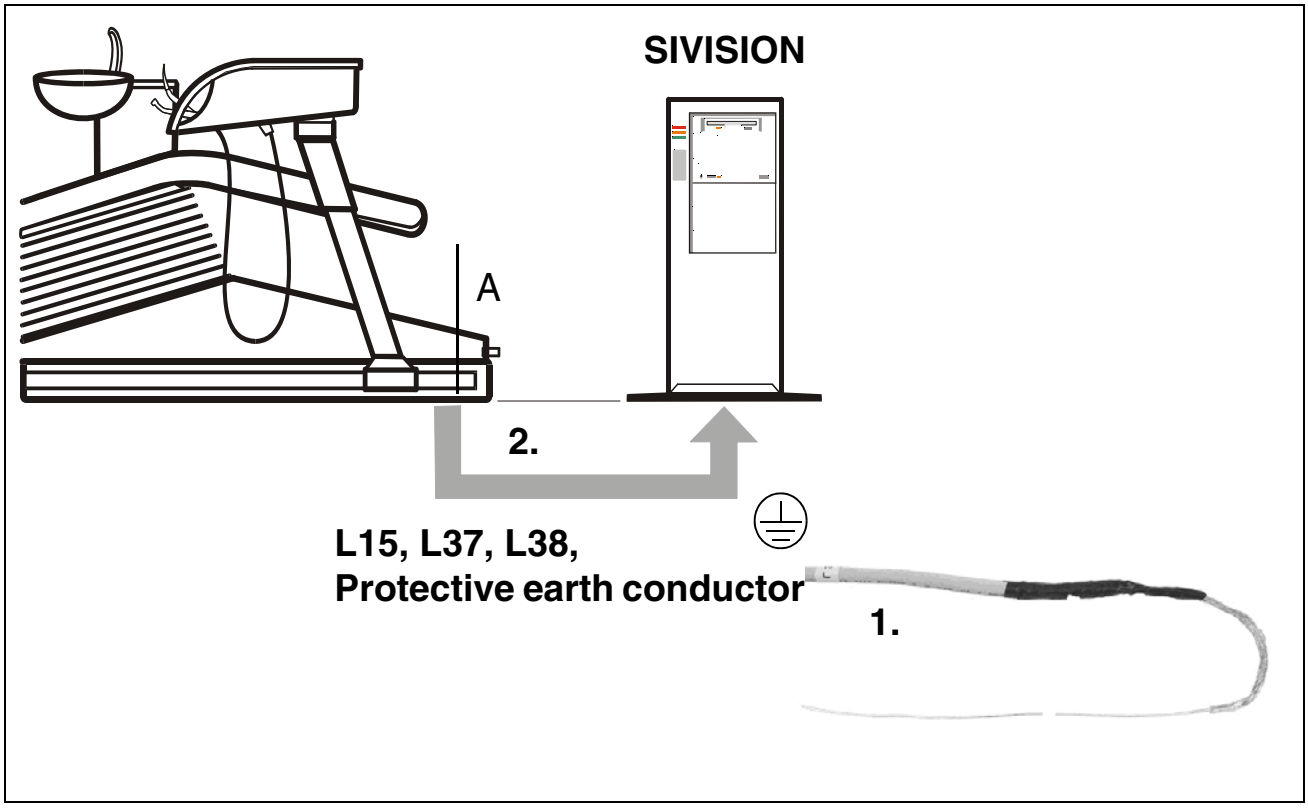
CAUTION

For cleaning, flush the air and water pipes thoroughly (metal chips!).

Supply through the floor, "underfloor installation"

1. The top edges of the corner valves for air and water must not protrude more than 60 mm above the upper surface of the finished floor.
2. The suction and drain pipes must be flush with the upper surface of the floor (a deviation of +5 mm is permissible).
   Internal diameter for both pipes: 36,5 mm.
3. The electrical cables must protrude at least 500 mm.

1.5 Underfloor installation of SIVISION connections



Important information for the installer

Depending on the prevailing local conditions, the existing cable set can be installed in the cable duct of an underfloor installation by an installer prior to the installation of the treatment center. In this case, please observe the following:

Proceed with **extreme care** when running the cables. Particularly cables **L15** and **L38** are very sensitive, and must never be kinked or twisted. The cables must **not overlap or cross one another**.

RS232 (**L37**) and the XGA cable (**L38**) are not yet cut to length and terminated on the PC side. It would be impossible to pull the cables through when installing them under floor level if a sub D connector were already connected. These cables should always be pulled.

Free length **A** of cables at the treatment center end:
Length **A** = 600 mm

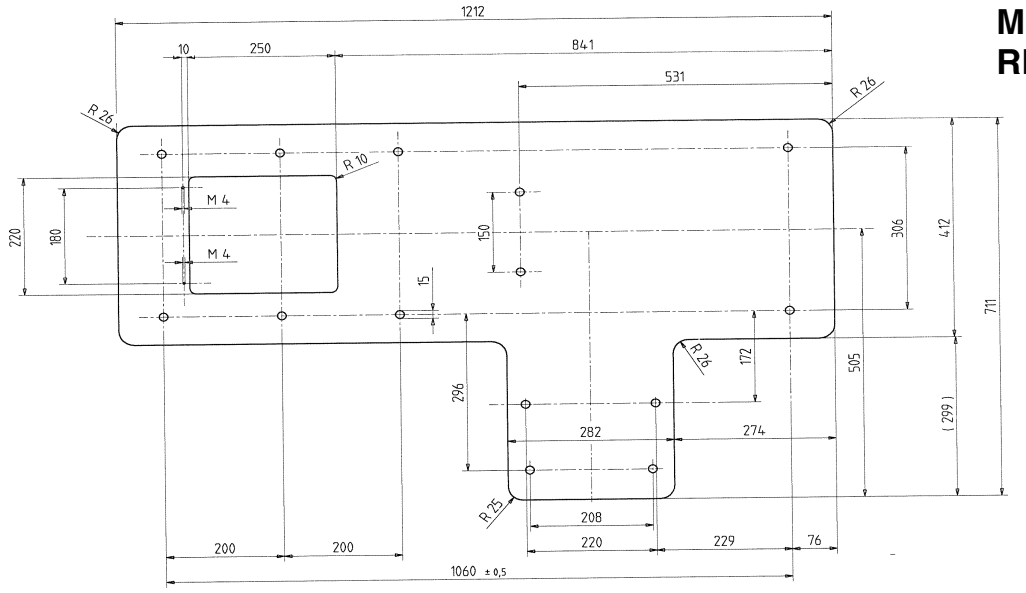
If S video cable **L15** is equipped with both a female and a male connector, make sure that the female connector (socket) points to the connection box of the treatment center.

1. Bend the wire at the front end of cables **L37** and **L38** to form a hook.
2. Pull cables **L15**, **L37**, **L38** and the grounding cable of the treatment center through the cable duct to the location of the PC.

Save the accessory parts for final installation!

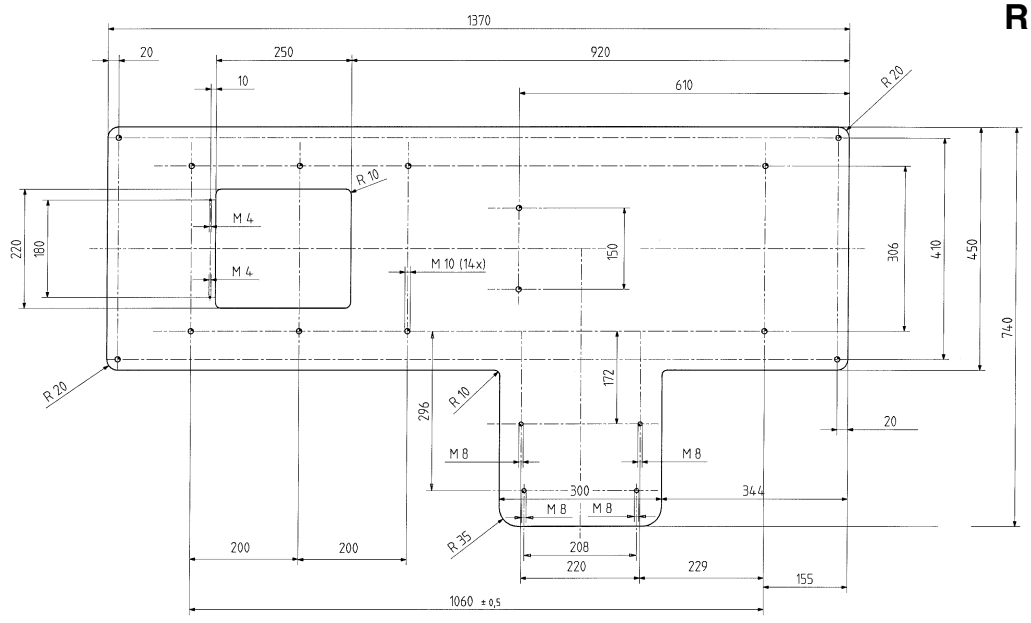
1.6 Mounting plates for equipment with fixed cuspidor (not for C5+ Turn)

Mounting plate REF 58 26 511



For especially uneven floor conditions, a steel mounting plate is available to compensate for the irregularities of the floor (REF 58 26 511).

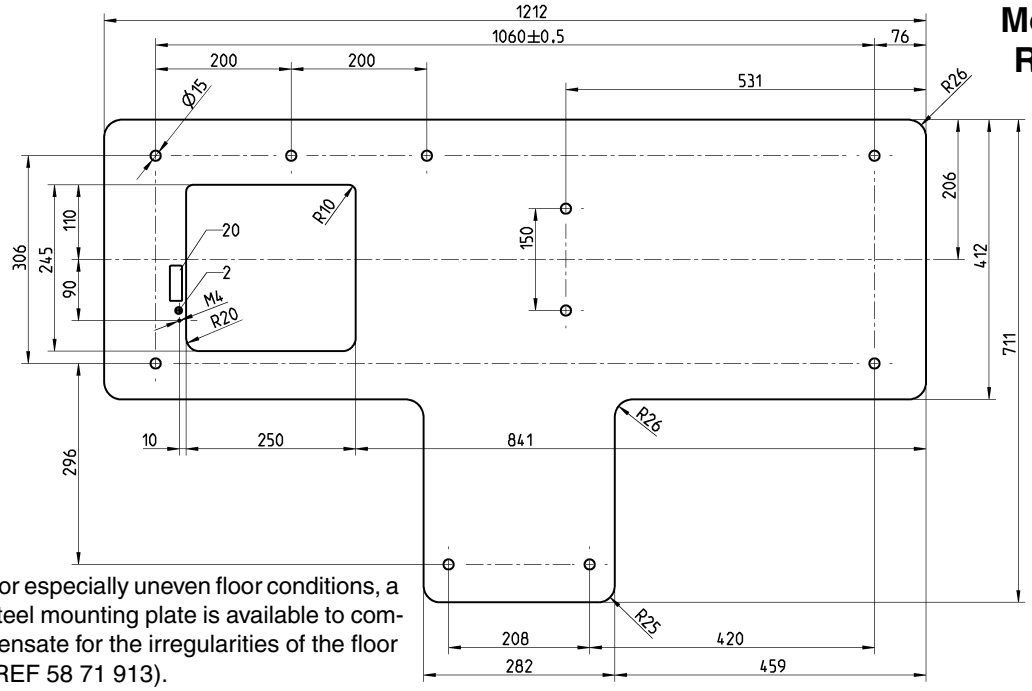
Demonstration chair plate REF 47 08 074



For floors which do not permit permanent connection of the unit (e.g. demo operation at a fair), installation on a steel demonstration chair plate is possible (REF 47 08 074).

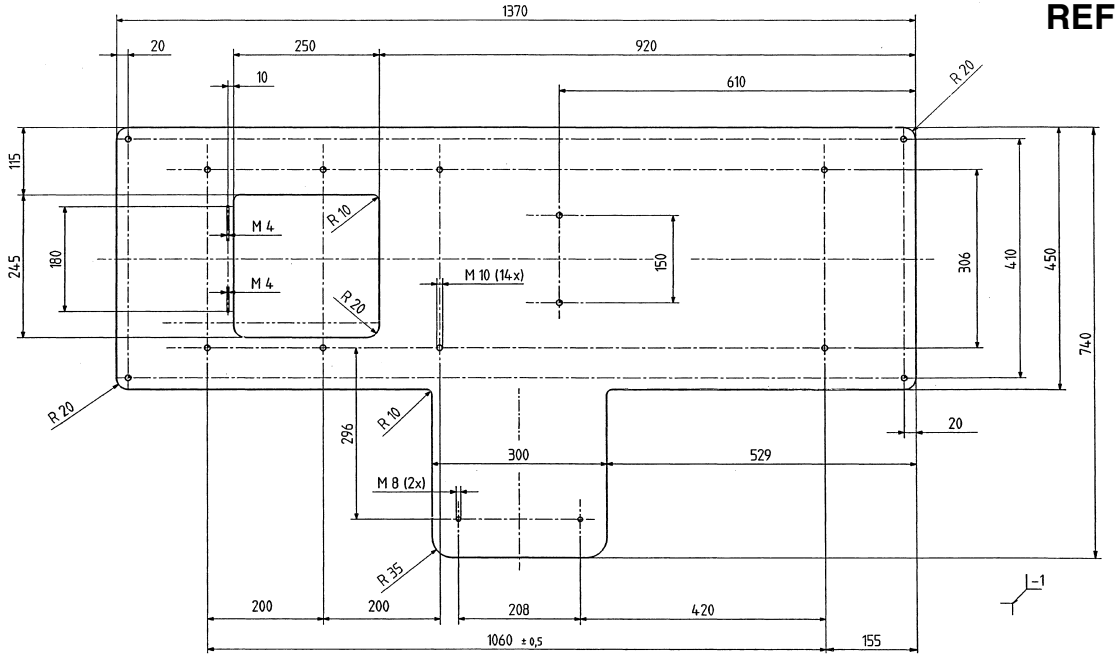
1.7 Mounting plates for equipment with swiveling cuspidor (not for C5+ Turn)

Mounting plate REF 58 71 913



For especially uneven floor conditions, a steel mounting plate is available to compensate for the irregularities of the floor (REF 58 71 913).

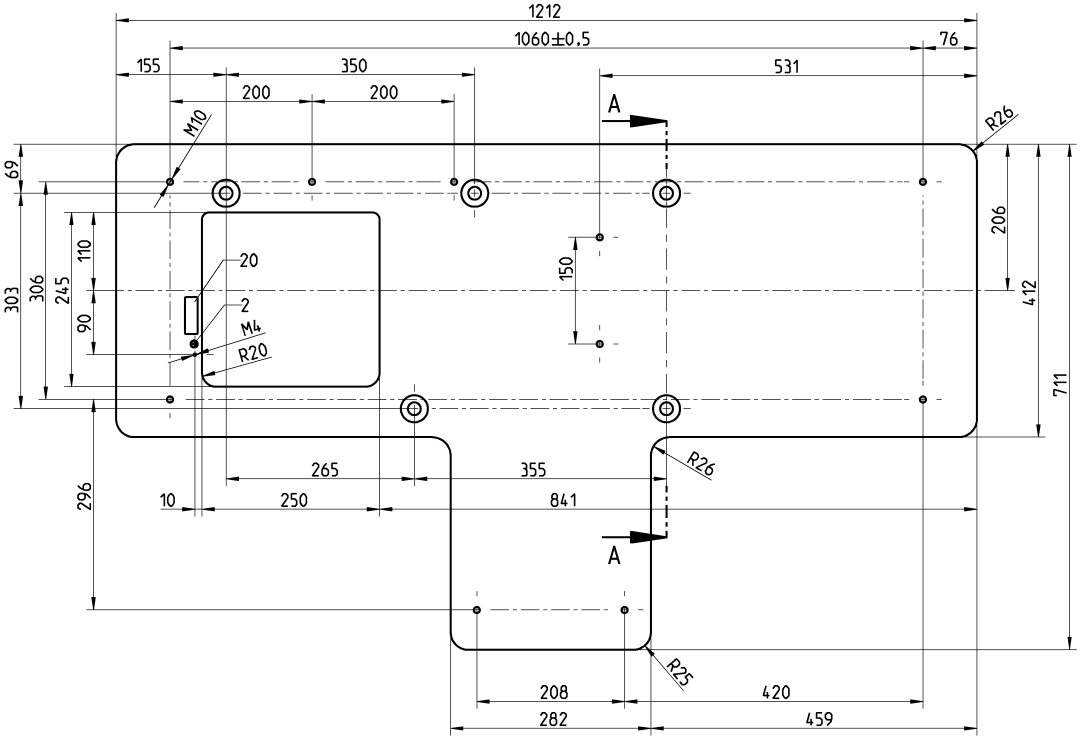
Demonstration chair plate REF 58 66 301



For floors which do not permit permanent connection of the unit (e.g. demo operation at a fair), installation on a steel demonstration chair plate is possible (REF 58 66 301).

1.8 M1 adapter plate for equipment with swiveling cuspidor (not for C5+ Turn)

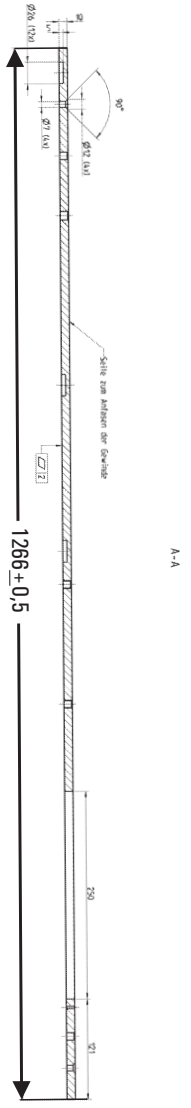
Adapter plate
REF 58 70 493

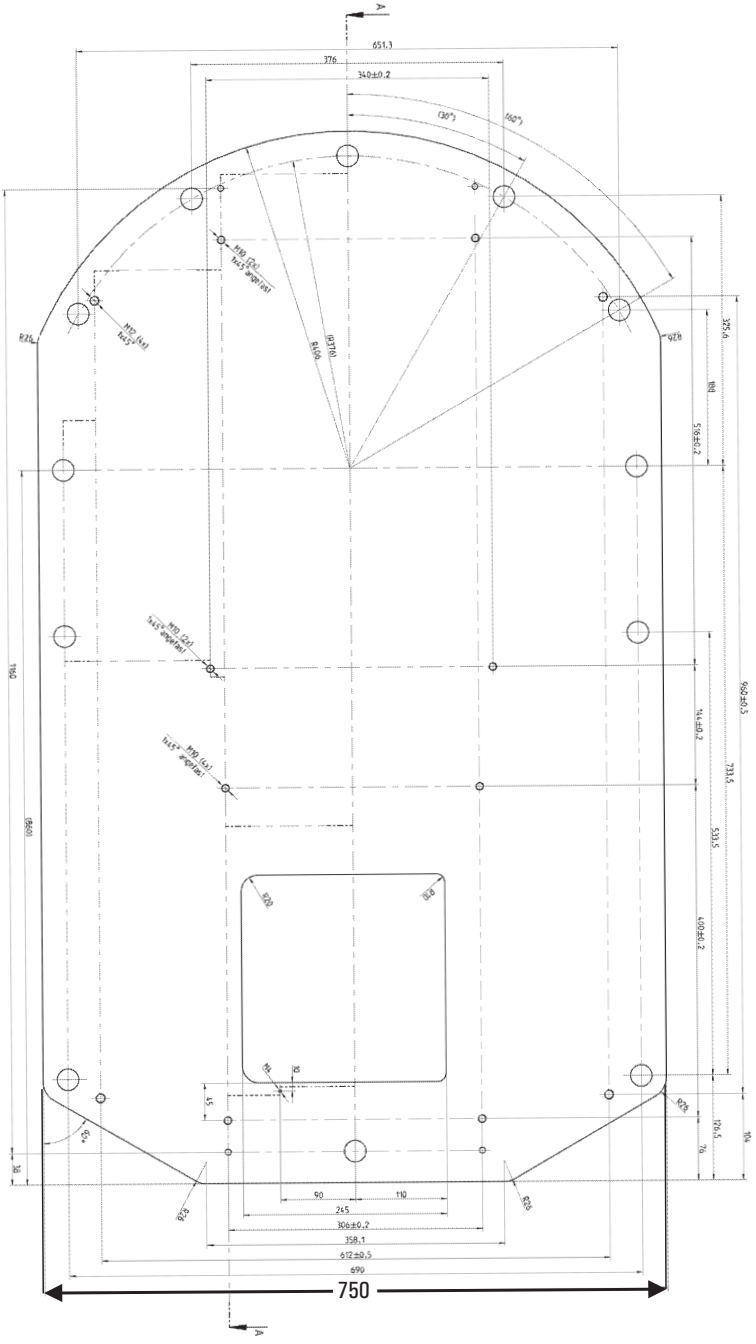


If the C5+ is installed as a replacement for an M1 at this position, then an adapter plate, with the aid of which the existing mounting holes can be used, is available under the REF 58 70 493.

1.9 Demonstration chair plate C5+Turn

Demonstration chair plate
C5+ Turn
REF 59 46 269





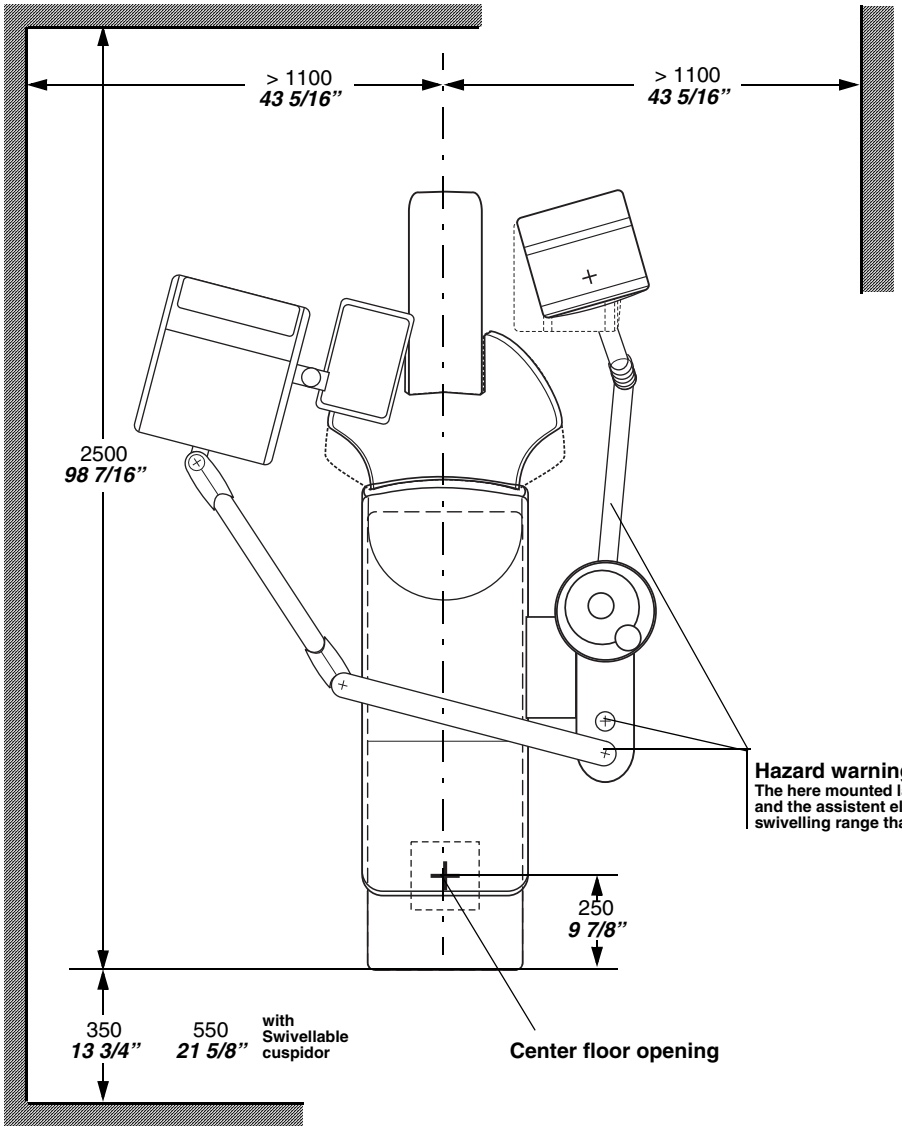
For floors which do not permit permanent connection of the unit (e.g. demo operation at a fair), installation on a steel demonstration chair plate is possible (REF 59 46,269).

2 Dimensions, technical data

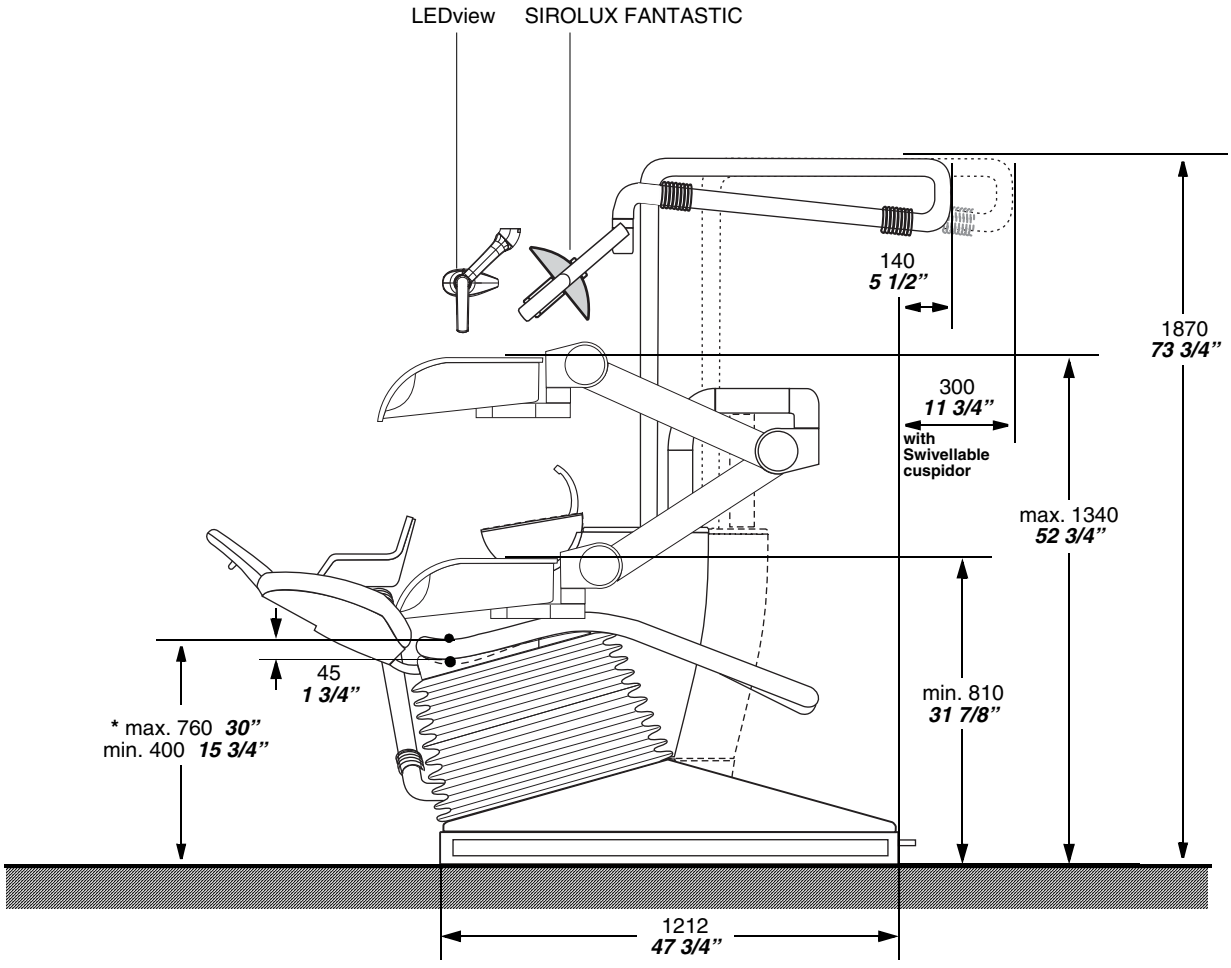
C5+, C5+Turn

2.1 Dimensions of the C5+ 1:20

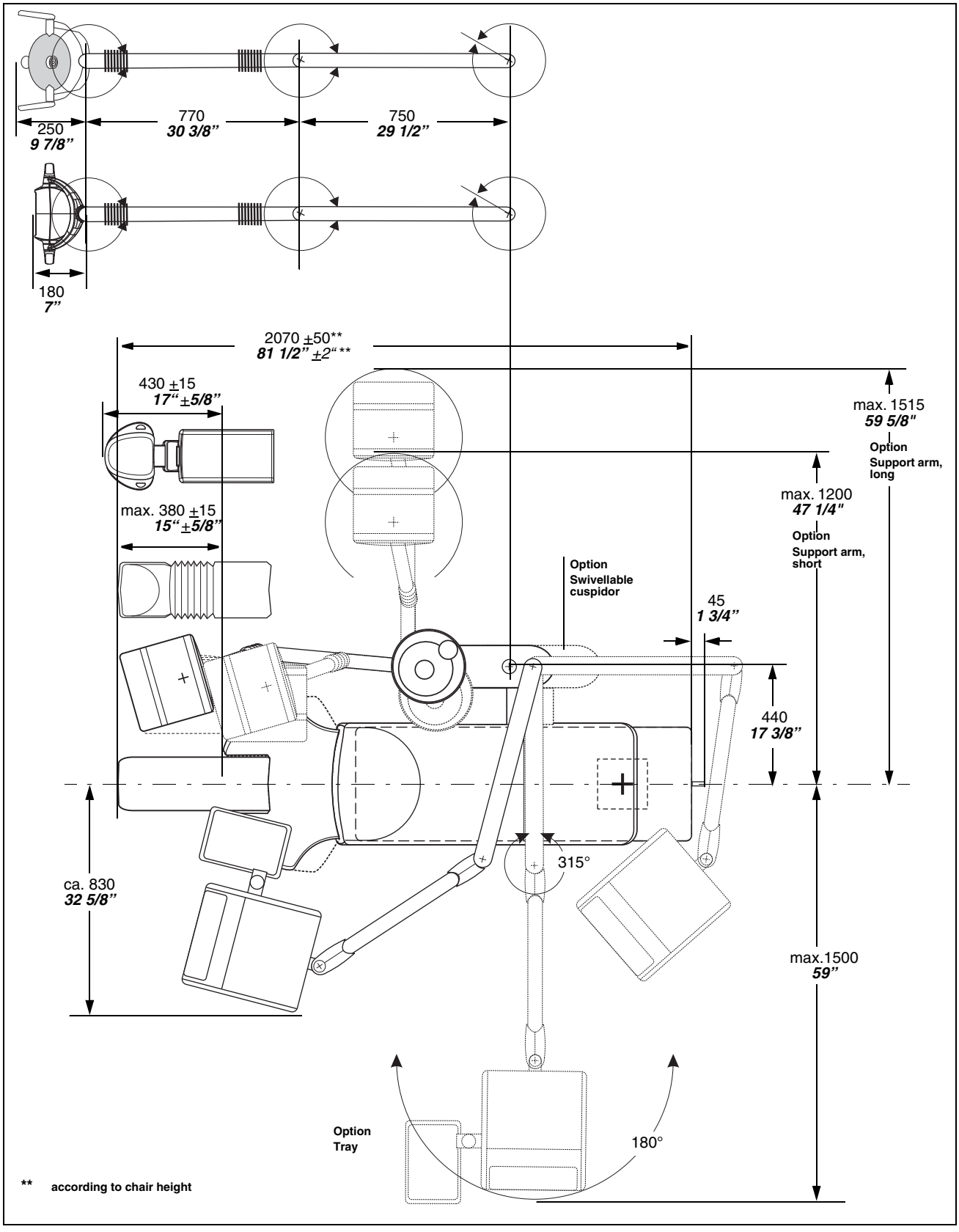
Recommended distances from cabinet or wall.



Hazard warning:
The here mounted lamp, the dentist element / with tray (option) and the assistent element with long support arm have a wider swivelling range than the distances indicated!

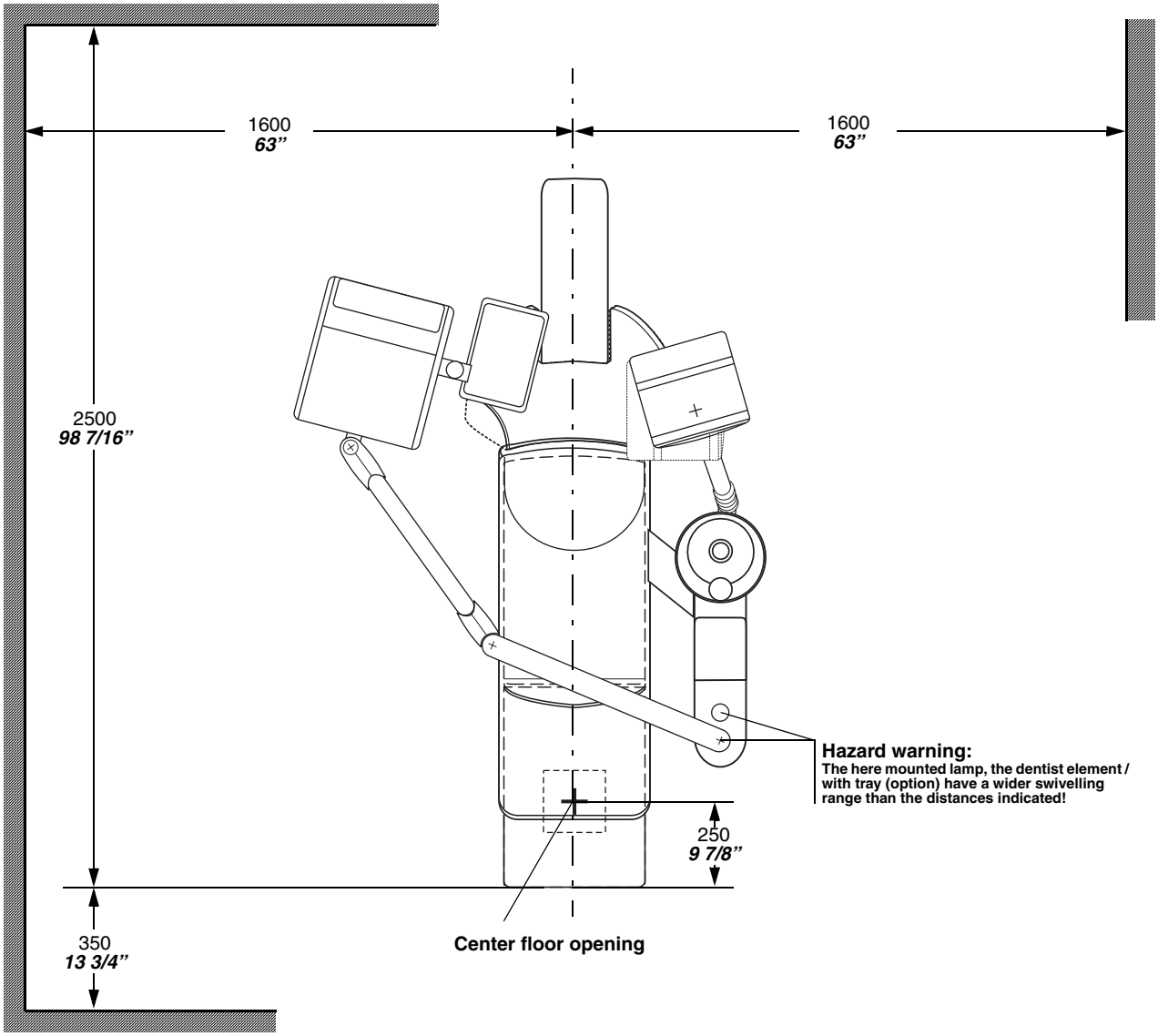


Standard upholstery
*** max.: backrest and chair in highest position**
min.: backrest and chair in lowest position

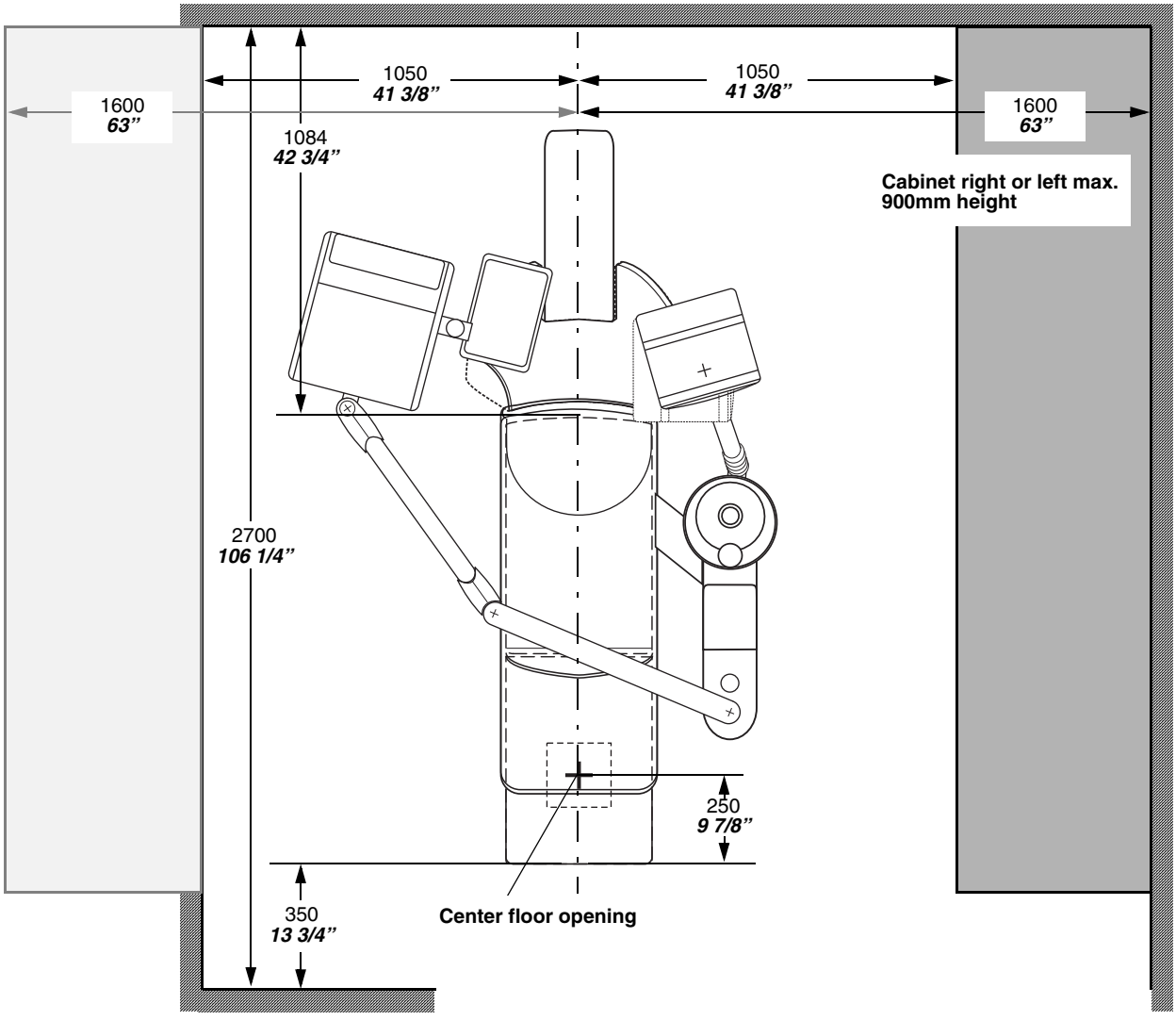

250
9 7/8"
770
30 3/8"
750
29 1/2"
180
7"
2070 ±50**
81 1/2" ±2"**
430 ±15
17" ±5/8"
max. 380 ±15
15" ±5/8"
max. 1515
59 5/8"
Option
Support arm, long
max. 1200
47 1/4"
Option
Support arm, short
Option
Swivellable cuspidor
45
1 3/4"
440
17 3/8"
315°
ca. 830
32 5/8"
max.1500
59"
Option
Tray
180°
** according to chair height

2.2 Dimensions of the C5+ Turn 1:20

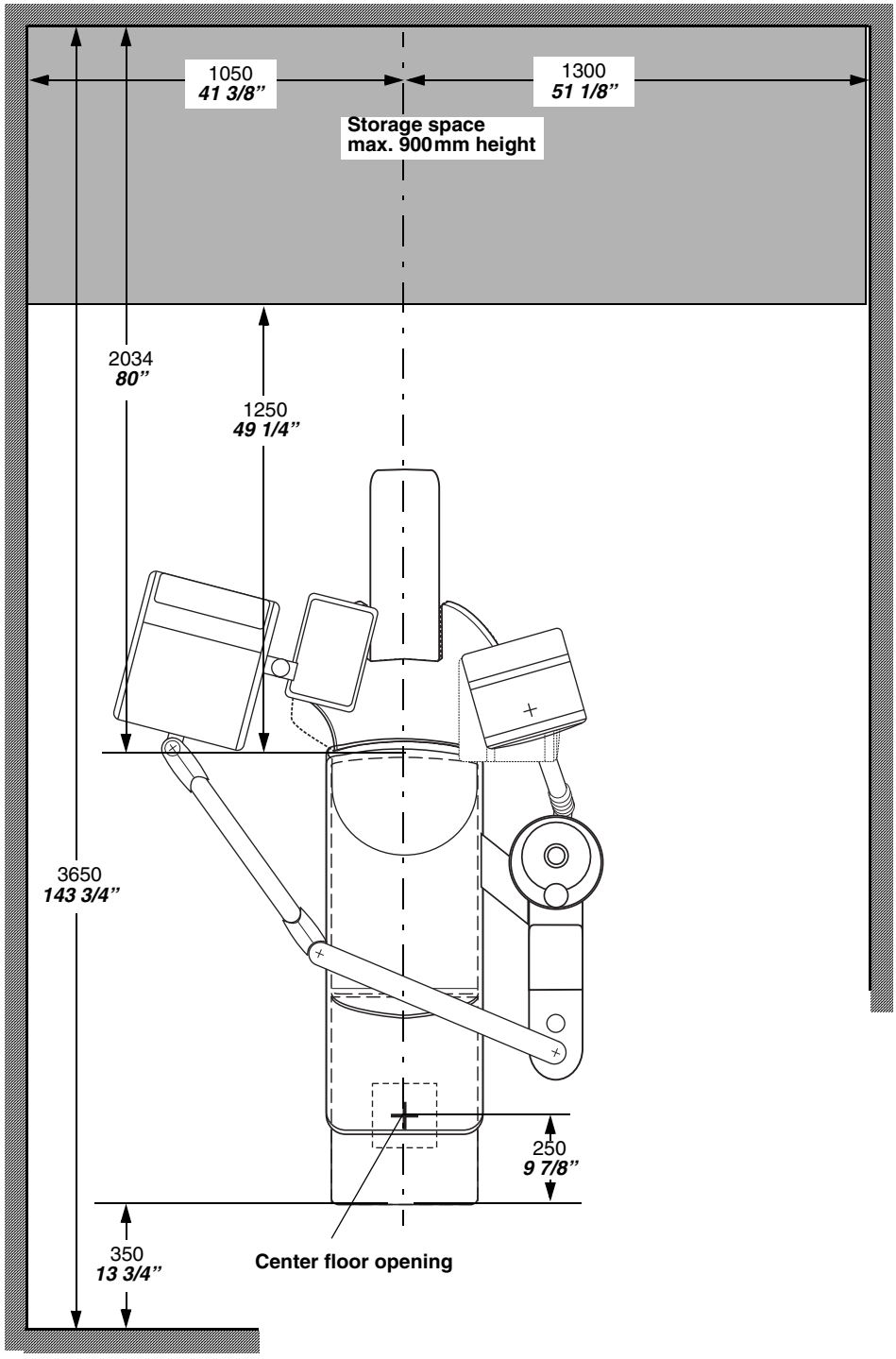
Recommended distances from cabinet or wall.



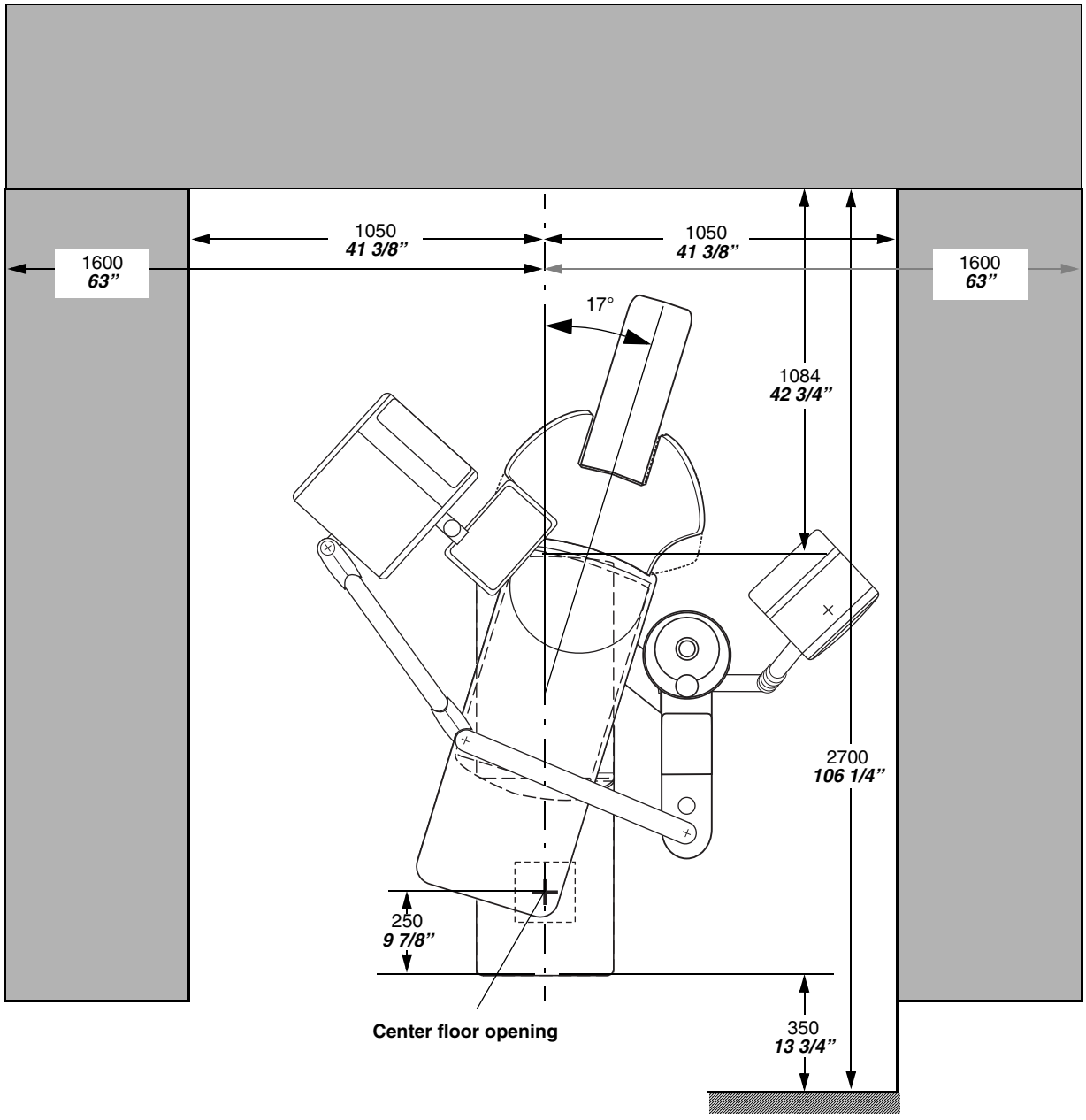
Minimum clearances for conversion of treatment center from right-handed to left-handed version an vice versa 2700x2650mm



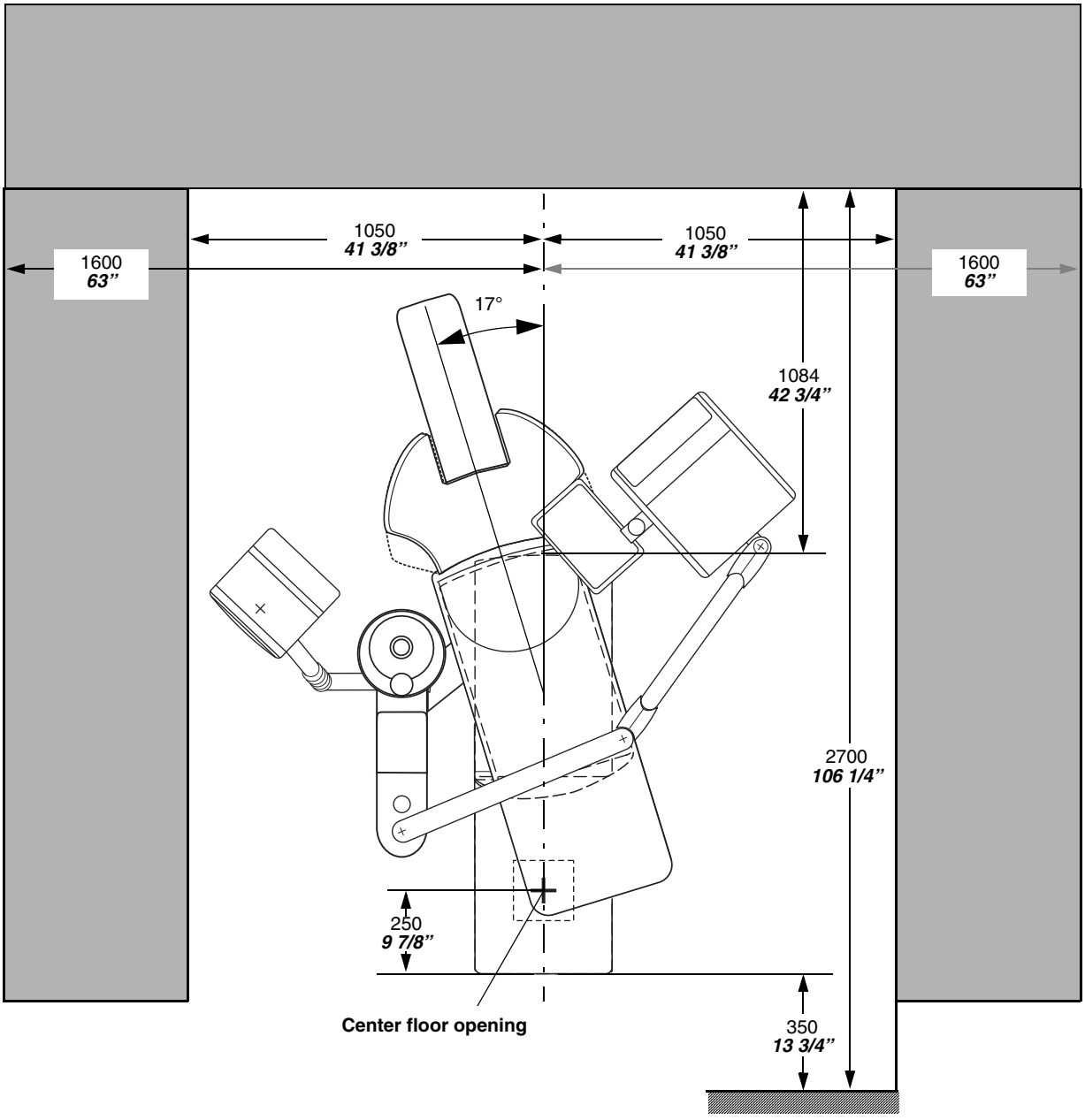
Minimum clearances for conversion of treatment center from right-handed to left-handed version an vice versa 3650x2350mm

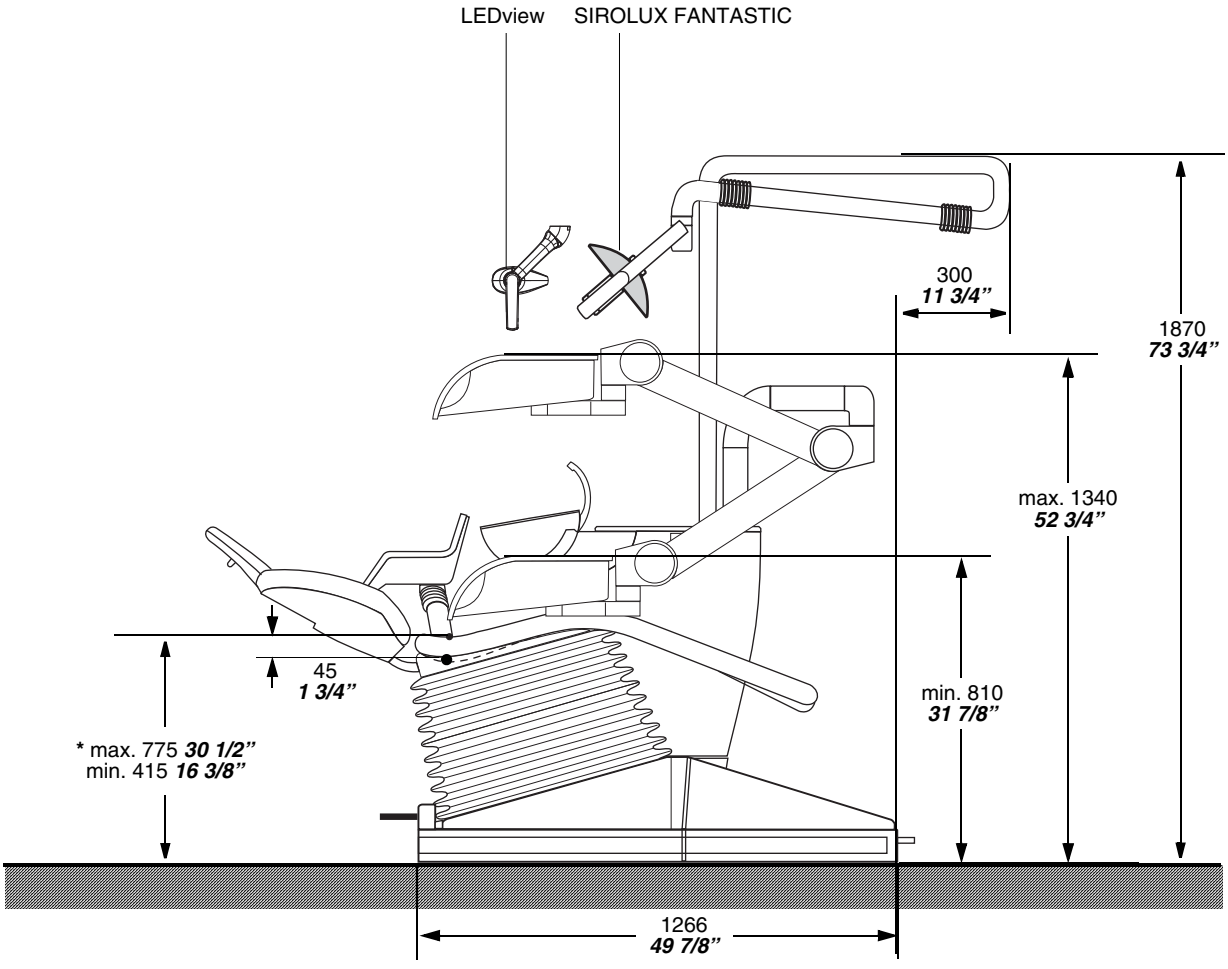


Equal working conditions for right-handers and left-handers: Position for right-handers



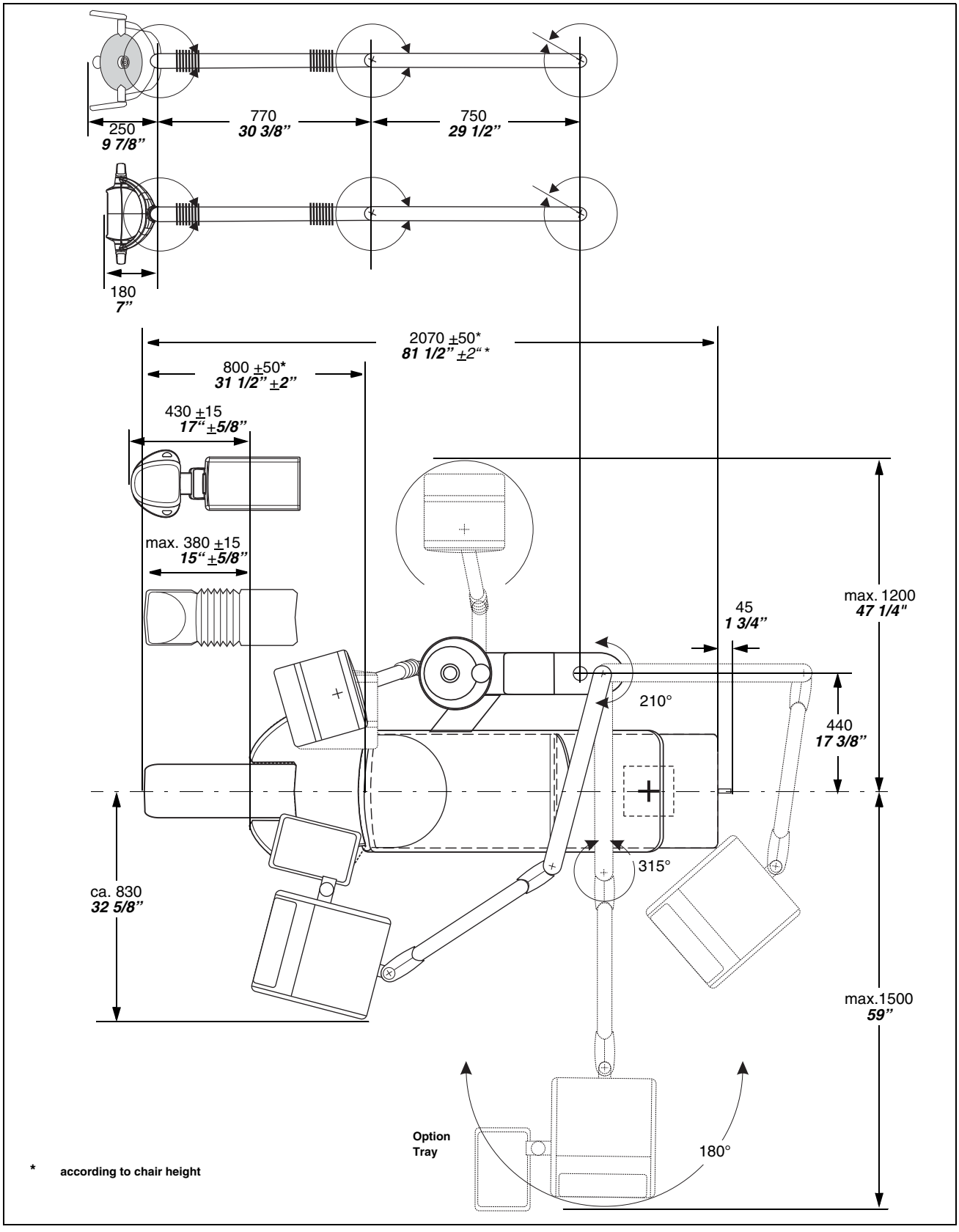
Equal working conditions for right-handers and left-handers: Position for left-handers





Standard upholstery

*** max.: backrest and chair in highest position**
min.: backrest and chair in lowest position



* according to chair height

2.3 Technical data

Technical data C5+, C5+ Turn		
Power supply line	100 V / 115 V / 230 VAC	50 / 60 Hz
Nominal current	11.5 A 9,5 A 4,5 A In addition, max. 6 A for external devices	at 100 V AC at 115 V AC at 230 V AC
Main unit fuse	at 100/115 V AC at 230 V AC	T 10 A H, 250 V AC , REF 10 77 460 T 6,3 A H, 250 V AC , REF 10 77 452
Transport and storage conditions	Temperature: Relative humidity: Air pressure:	-40°C – +70°C (-40°F – +158°F) 10% – 95% 500hPa – 1060hPa
Operating conditions	Ambient temperature: Relative humidity: Air pressure:	10°C – 40°C (50°F – 104°F) 30% – 85% (no condensation) 700hPa – 1060hPa
Maximum load capacity of the patient chair	135kg, including accessories	
Installation site	≤ 3000 m above sea level	
Pollution degree	2 acc. to IEC 60664-1	
Protection class	Class I device	
Device class in accordance with Directive 93/42/EEC	Class IIa equipment	
Degree of protection against electric shock	Type B applied parts,  except SIROCAM 3/SIROCAM C: Type BF applied parts 	
Degree of protection against ingress of water	Ordinary equipment (not protected) The foot switch has an IPX1 degree of protection against liquids (drip-proof).	
Operating mode	Continuous operation with intermittent loading corresponding to the dental mode of working. Permanently connected unit.	
Year of manufacture	 (on rating plate of chair)	
On-site pressure readings (1 bar = 100 kPa = 14.5 psi)		
Air min./max. Water min./max.	550 kPa / 750 kPa (5.5 / 7.5bar) 250 kPa / 600 kPa (2.5 / 6bar)	
Foot control wireless interface (not possible for C5+ Turn)		
Model designation: Frequency: Transmitting power: Modulation type: Range:	nanoLOC AVR 2,4 GHz – 2,4835 GHz (ISM band) < 2 mW (short range device) MDMA approx. 10 m	

Dimensions of the packaging C5+	
Dentist element, assistant element	120cm x 63cm x 110cm
water unit	120cm x 63cm x 96cm
Chair	157cm x 65cm x 83cm
Upholstery	120cm x 52cm x 40cm
SIROLUX / LEDview	10,5cm x 56cm x 28cm
Weight C5+ (1kg = 2.2lbs)	incl. / without packaging
Dentist element, assistant element	37kg / 13kg
water unit	44kg / 16,5kg
Chair	126kg / 96kg
Upholstery	13kg / 10kg
SIROLUX / LEDview	14kg / 10kg
Dimensions of the packaging C5+ Turn	
Dentist element, assistant element, water unit	120cm x 63cm x 176cm
Chair	157cm x 65cm x 83cm
Upholstery	120cm x 52cm x 40cm
SIROLUX / LEDview	10,5cm x 56cm x 28cm
Weight C5+ Turn (1kg = 2.2lbs)	incl. / without packaging
Dentist element, assistant element, water unit	103kg / 83kg
Chair	126kg / 96kg
Upholstery	13kg / 10kg
SIROLUX / LEDview	14kg / 10kg

2.4 Standards/Approvals

Standards/Approvals	
	The C5+, C5+ Turn treatment center complies with the following standards, among others: • IEC 60601-1 (electrical and mechanical safety plus software reliability) • IEC 60601-1-2 (electromagnetic compatibility) • IEC 60601-1-6 (serviceability) • ISO 6875 (Patient chair) • ISO 7494-1 (Dental treatment devices) • ISO 7494-2 (dental treatment units, water and air supply) • ISO 9680 (Operating light) • ISO 11143 (amalgam separator), see also below (if amalgam separator option is present) • EN 1717 (connection to the drinking water system), Original language: German
CE 0123	This product bears the CE marking in accordance with the provisions of the Council Directive 93/42/EEC of June 14, 1993 concerning medical devices.
	The treatment center meets the requirements of the Canadian Standard Association (CSA) in accordance with CAN/CSA-C22.2 No. 60601-1.
SIRONA Dental Systems GmbH 64625 Bensheim Fabrikstrasse 31 Z-64.1-14 adf conseille NF NF DENTAIRE	The amalgam separator achieves a separation efficiency of > 95%. The unit thus fulfills the requirements of ISO 11143. Separating procedure type 1: Centrifugal system The amalgam separator is approved by the German Institute for Structural Engineering (DIBT) and by the French International Organization for Standardization (AFNOR).
DVGW CERT Anschlusssicher W 540	When equipped with a disinfection system, the treatment center complies with the technical rules and requirements on safety and hygiene for connection to the public drinking water supply. The unit is certified according to the requirements of the German Technical and Scientific Association for Gas and Water (DVGW). It is intrinsically safe in accordance with worksheet W540. The unit thus fulfills the requirements of EN 1717, see also the chapter „Connection to the public drinking water supply” on page 7.
BELGAQUA	This unit meets the requirements of BELGAQUA and may therefore be connected to the public drinking water supply in Belgium.

Standards/Approvals	
CE 0682	The wireless modules in the wireless foot control and in the treatment center meet the requirements of the R&TTE directive 1999/5/'EC. Standards: • EN 60950-1 • EN 301489-1, EN 301489-17, EN 300328
FC	The modules meet the requirements of the Federal Communications Commission (Part 15 of the FCC Rules). FCC ID: SIFNANOLOCAVR0108
Industrie Canada	The modules meet the requirements of Industry Canada (RSS2210). IC: 7654A-nanoLOCAVR The current approvals for the foot control are listed on the rating label on the underside of the patient chair.

3 Electromagnetic compatibility

C5+, C5+Turn

IMPORTANT

The C5+, C5+Turn fulfills all requirements for electromagnetic compatibility (EMC) compliant with IEC 60601-1-2.
*The C5+, C5+Turn is referred to as "**UNIT**" in the following.*

Observance of the following information is necessary to ensure safe operation regarding EMC aspects.

3.1 Accessories

Making the PC connection

Designation of interface cables to the PC	Supplier
XGA cable, 10m	Sirona
S video cable, 10m	Sirona
RS232 cable, 10m	Sirona
2nd protective ground wire, 2.5 mm^2, 10m	Sirona

- The **UNIT** may be operated only with accessories and spare parts approved by Sirona. Unapproved accessories and spare parts may lead to an increased emission of or a reduced immunity to interference.
- The **UNIT** should not be operated immediately adjacent to other devices. If this proves to be unavoidable, the **UNIT** should be monitored to check and make sure that it is used properly.

The EMC measurements were performed with the following PC:

PC as peripheral device for checking the interfaces with:	Siemens Fujitsu, Pentium IV, 3.0 GHz
Extension of the PC	
Graphics card	NVIDIA GeForce 7300 LE
Frame grabber card	PicPort Color frame grabber card (Leutron) REF 46 93 961

3.2 Electromagnetic emission

The **UNIT** is intended for operation in the electromagnetic environment specified below.

The customer or user of the **UNIT** should make sure that it is used in such an environment.

Emission measurement	Conformity	Electromagnetic environment guidelines
HF emission according to **CISPR 11**	Group 1	The **UNIT** uses HF energy only for its internal function. The HF emission is therefore very low, and it is improbable that nearby electronic devices might be disturbed.
HF emission according to **CISPR 11**	Class B	The **UNIT** is intended for use in all facilities, including residential areas and in any facilities connected directly to a public power supply providing electricity to buildings used for residential purposes.
Harmonics according to **IEC 61000-3-2**	Class A	
Voltage fluctuations / Flicker according to **IEC 61000-3-3**	compliant	

3.3 Immunity to interference

The **UNIT** is intended for operation in the electromagnetic environment specified below.

The customer or user of the **UNIT** should make sure that it is used in such an environment.

Immunity interference tests	IEC 60601-1-2 test level	Conformance level	Electromagnetic environment guidelines
Electrostatic discharge (ESD) according to **IEC 61000-4-2**	± 6kV contact discharge ± 8 kV air discharge	± 6kV contact discharge ± 8kV air discharge	Floors should be made of wood or concrete or covered with ceramic tiling. If the floor surface consists of synethetic material, the relative humidity must be at least 30%.
Electrical fast transient/burst according to **IEC 61000-4-4**	± 1kV for input and output lines ± 2kV power cables	± 1kV for input and output lines ± 2kV power cables	The quality of the supply voltage should conform to the typical business or hospital environment.
Surge voltages according to **IEC 61000-4-5**	± 1kV push-pull voltage ± 2kV push-pull voltage	± 1kV push-pull voltage ± 2kV push-pull voltage	The quality of the supply voltage should conform to the typical business or hospital environment.
Voltage dips, short interruptions and variations of the power supply according to **IEC 61000-4-11**	<5% U_T for ½ period (>95% dip of U_T) 40% U_T for 5 periods (60% dip of U_T) 70% U_T for 25 periods (30% dip of U_T) <5% U_T for 5sec. (>95% dip of U_T)	<5% U_T for ½ period (>95% dip of U_T) 40% U_T for 5 periods (60% dip of U_T) 70% U_T for 25 periods (30% dip of U_T) <5% U_T for 5sec. (>95% dip of U_T)	The quality of the supply voltage should correspond to the typical business or hospital environment. If the user of the **UNIT** requires it to continue functioning following interruptions of the power supply, it is recommended to have the **UNIT** powered by an uninterruptible power supply or a battery.
Magnetic field of power frequencies (50/60 Hz) according to **IEC 61000-4-8**	3 A/m	3 A/m	The power frequency magnetic fields should correspond to the typical values found in the relevant business and hospital environment.
Remarks: U_T is the AC supply voltage prior to application of the test level.			

Immunity interference tests	IEC 60601-1-2 test level	Conformance level	Electromagnetic environment guidelines
			Portable and mobile radio equipment must not be used within the recommended working clearance from the **UNIT** and its cables, which is calculated based on the equation suitable for the relevant transmission frequency. Recommended working clearance:
Conducted HF interference **IEC 61000-4-6**	$3V_{eff}$ 150 kHz to 80 MHz[a]	$3V_{eff}$	$d = [1, 2]\sqrt{P}$
Radiated HF interference **IEC 61000-4-3**	3V/m 80MHz to 800MHz[a]	$3V_{eff}$	$d = [1, 2]\sqrt{P}$ at 80MHz to 800MHz
	3V/m 800MHz to 2.5GHz[a]	$3V_{eff}$	$d = [2, 3]\sqrt{P}$ at 800MHz to 2.5GHz
			where **P** is the nominal transmitter output in watts (W) specified by the transmitter manufacturer and **d** is the recommended working clearance in meters (m). The field strength of stationary radio transmitters is based on a local investigation for all frequencies[b] less than the conformance level for all frequencies[c]. Interference is possible in the vicinity of equipment bearing the following graphic symbol. 

a. The higher frequency range applies at 80MHz and 800MHz.

*b. The field strength of stationary transmitters such as the base stations of radio telephones and land mobile services, amateur radio stations as well as AM and FM radio and television broadcasting stations cannot be accurately predetermined. An investigation of the location is recommended to determine the electromagnetic environment resulting from stationary HF transmitters. If the field strength measured at the **UNIT** location exceeds the conformance level specified above, the **UNIT** must be observed with respect to its normal operation at each application site. If unusual performance characteristics are observed, it may be necessary to take additional measures such as reorientation or repositioning of the **UNIT**.*

c. A frequency range of 150kHz to 80MHz results in a field strength of less than 3V/m.

3.4 Working clearances

Recommended working clearances between portable and mobile HF communication devices and the UNIT

The **UNIT** is intended for operation in an electromagnetic environment, where radiated HF interference is checked. The customer or the user of the **UNIT** can help prevent electromagnetic interference by duly observing the minimum distances between portable and/or mobile HF communication devices (transmitters) and the **UNIT**. These values may vary according to the output power of the relevant communication device as specified above.

Nominal transmitter output [W]	Working clearance according to transmission frequency [m]		
	150 kHz to 80 MHz	80 MHz to 800 MHz	800 MHz to 2.5 GHz
	$d = [1, 2]\sqrt{P}$	$d = [1, 2]\sqrt{P}$	$d = [2, 3]\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters whose maximum nominal output is not specified in the above table, the recommended working clearance d in meters (m) can be determined using the equation in the corresponding column, where P is the maximum nominal output of the transmitter in watts (W) specified by the transmitter manufacturer.

Annotation 1
The higher frequency range applies at 80 MHz and 800 MHz.

Annotation 2
These guidelines may not be applicable in all cases. The propagation of electromagnetic waves is influenced by their absorption and reflection by buildings, objects and persons.

3.5 Foot control wireless interface

Insofar as the treatment center is equipped with a foot control, one wireless module each must be installed in the foot control and in the base of the chair of the treatment center. These modules transmit the foot control signals.

CAUTION

Interference with the wireless transmission

This wireless transmission may cause interference with or be disturbed by other radio services.

Wireless module in the wireless foot control and in the treatment center

Model designation:	nanoLOC AVR
Frequency:	2,4 GHz – 2,4835 GHz (ISM band)
Transmitting power:	< 2 mW (short range device)
Modulation type:	MDMA
Range:	approx. 10 m

We reserve the right to make any alterations which may be required due to technical improvements.

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