

MAGNETOM Family

Operator Manual – Contour 24 Coil

syngo MR XA30

MAGNETOM Family

Operator Manual – Contour 24 Coil

syngo MR XA30

Legend



Indicates a hint

Provides information on how to avoid operating errors or information emphasizing important details



Indicates the solution to a problem

Provides troubleshooting information or answers to frequently asked questions



Indicates a list item



Indicates a prerequisite

A condition that has to be fulfilled before starting a particular operation



Indicates a single-step operation



Indicates steps within operating sequences

Italic

Used for references and for table or figure titles



Used to identify a link to related information as well as previous or next steps

Bold

Used to identify window titles, menu items, function names, buttons, and keys, for example, the Save button

Orange

Used to emphasize **particularly** important sections of the text

Courier

Used for on-screen output of the system including code-related elements or commands

Courier

Identifies inputs you need to provide

Menu > Menu Item

Used for the navigation to a certain submenu entry

<variable>

Identifies variables or parameters, for example, within a string



CAUTION

Used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury or material damage.

CAUTION consists of the following elements:

- Information about the nature of a hazardous situation
- Consequences of not avoiding a hazardous situation
- Methods of avoiding a hazardous situation

WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

WARNING consists of the following elements:

- Information about the nature of a hazardous situation
 - Consequences of not avoiding a hazardous situation
 - Methods of avoiding a hazardous situation
-





Legend

●	1	Introduction	9
	1.1	Scope of the document	9
●	2	Safety	11
	2.1	General safety information	11
●	3	Description	13
	3.1	Configuration	13
●	4	Use	15
	4.1	Safe handling	15
	4.2	Using the coil	15
	4.3	Using the contour 48 configuration	16
	4.4	Performing the measurement	17
●	5	Quality measurement	19
●	6	Maintenance	21
	6.1	Cleaning coils	21
	6.2	Regular maintenance	21
●	7	Appendix: Coil names	23

1 Introduction

This operator manual is an addendum to your individual hardware and software operator manuals.

This manual may include descriptions covering standard as well as optional hardware and software. Contact your Siemens Sales Organization with respect to the hardware and software available for your system. The description of an option does not infer a legal requirement to provide it.

The graphics, figures, and medical images used in this operator manual are examples only. The actual appearance and design of these may be slightly different on your system.

References to “Siemens Service” include service personnel authorized by Siemens.

1.1 Scope of the document

This document applies to the following systems:

- MAGNETOM Aera
- MAGNETOM Skyra (not with TimTX TrueShape option)

1 Introduction

2 Safety

2.1 General safety information



All safety information of the valid operator manuals must be adhered to without fail. It is merely supplemented by the notes contained herein.

2 Safety

3 Description

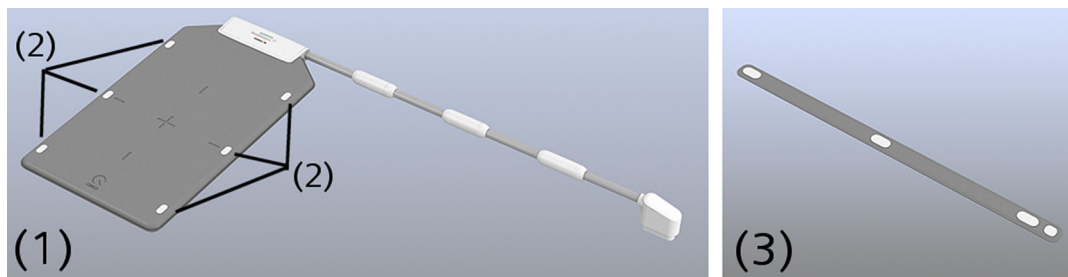
The Contour 24 coil enables examinations of different body regions. Depending on the area to be examined, the coil is positioned on the patient and is used to image the area of the body that it covers, for example, the abdomen.

Depending on the requirements, the coil may be used in the *head first* or *feet first* orientation.

You can combine two Contour 24 coils with the Velcro adapter strap to form the Contour 48.

3.1 Configuration

The coil consists of the following components:

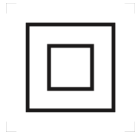


- (1) Contour 24 coil
- (2) Velcro pads for attaching the Velcro adapter strap
- (3) Velcro adapter strap for combining two coils



This label is located on the coil and reminds you to read the operator manual.

3 Description



Class II label

4 Use

4.1 Safe handling

- 1 Always position the coil so that the coil cable does not touch the patient's head.
- 2 Since the coil is not made of breathable material, use table sheets and/or covers to prevent the coil surface from touching the patient in order to enhance patient comfort.
- 3 Attach the cable to the cable holders in the elongated holes of the patient table.



WARNING

Improper cleaning of the MR system (including coils and accessories)!

Risk of electric shock

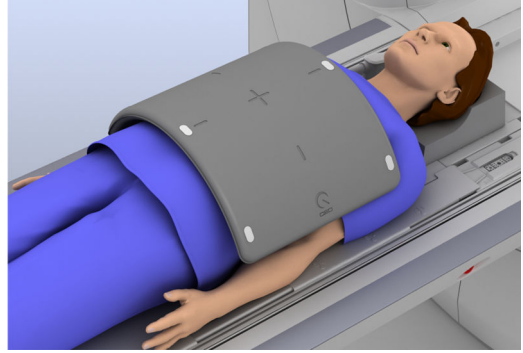
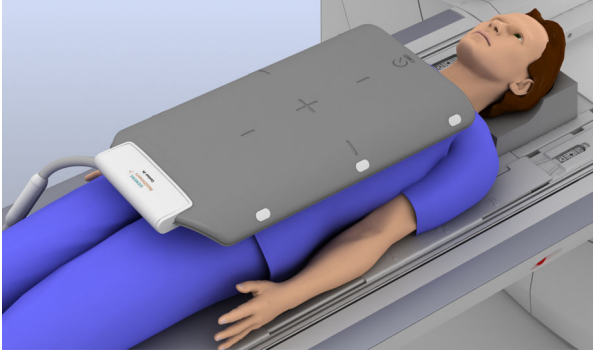
Damage to the equipment

- ◆ Only clean the system and the components with a damp cloth (moist wipe, not too wet).
- ◆ Follow the cleaning instructions provided in all relevant manuals, which explicitly explain how the various components should be cleaned and/or disinfected.

4.2 Using the coil

As an example, the examination of the patient's abdomen is described.

4 Use

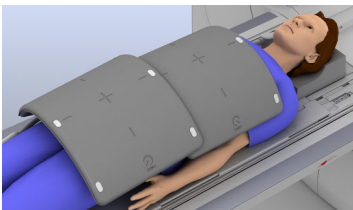


The procedure for examining other body regions or for using other patient positions is similar.

✓ The spine coil is positioned on the patient table.

- 1 Position the patient in the supine position with the head pointing toward the magnet.
- 2 Use suitable positioning aids.
- 3 Position the Contour 24 coil on the patient's abdomen and connect the coil to coil socket 1.

4.3 Using the contour 48 configuration

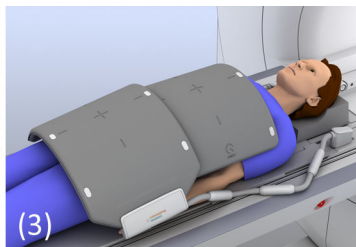
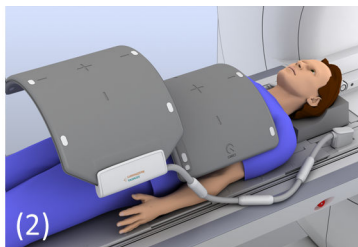
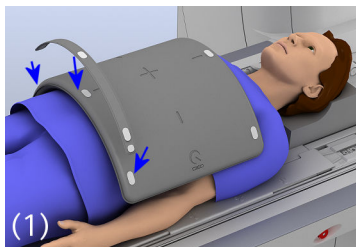


You can combine two Contour 24 coils with the Velcro adapter strap to form the Contour 48.

✓ The spine coil is positioned on the patient table.

- 1 Position the patient in the supine position with the head pointing toward the magnet.

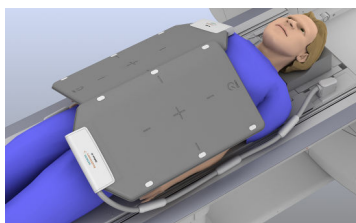
- 2 Position the first Contour 24 coil on the patient and connect the coil to coil socket 1.



- 3 Attach the Velcro adapter strap to the Velcro pads along the edge of the first Contour 24 coil. The Velcro pads are on the reverse side of the cable outlet. Ensure that the strap is attached to all three Velcro pads.
- 4 Position the second Contour 24 coil so that it overlaps the first coil, with the Velcro pads positioned directly over the Velcro adapter strap.

For a better balance of the coil combination on the patient, you should position the two coils with their boxes (cable outlets) on opposite sides.

- 5 Connect the second coil to coil socket 2.



- 6 You can also use the coil combination with the cable outlets pointing to the head and feet. This positioning may be useful for larger patients.

If necessary, adjust the position of the coil combination according to your needs.

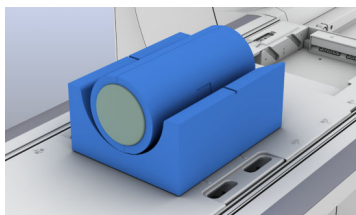
- 7 If necessary, use standard positioning accessories to secure the coil combination. For example, use straps.

4.4 Performing the measurement

- 1 Align the laser-light localizer with the center of the region of interest.
- 2 Start the measurement.

5 Quality measurement

✓ The spine coil is positioned on the patient table.

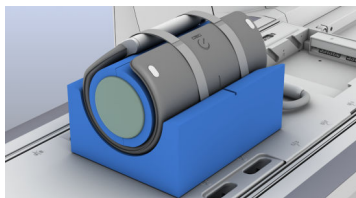


1 Position phantom holder 26 on the table.

2 Place the 5300-ml plastic bottle inside the phantom holder 27.



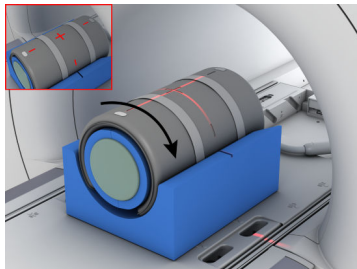
3 Position the Contour 24 coil between the phantom holder 26 and the plastic bottle.



4 Secure the coil on the bottle using the straps.

5 Position the coil with the plastic bottle on the phantom holder 26 so that the coil cable points toward the magnet.

5 Quality measurement



- 6 Rotate the coil by 180 degrees so that the center marking of the coil (embossed cross) points upward.
- 7 Connect the coil plug to a suitable socket.
- 8 Align the laser-light localizer with the center marking of the coil.
- 9 Start the quality measurement.

6 Maintenance

6.1 Cleaning coils

Follow the general instructions on cleaning coils. See: [Operator Manual Coils](#)

6.2 Regular maintenance

The coil does not require regularly scheduled maintenance.

6 Maintenance

7 Appendix: Coil names

The following table lists the most common coil names currently used.

The table distinguishes between the following name categories:

- **User documentation:** name of the coil that is used in the user documentation (operator manuals)
- **Product inscription:** name of the coil that is printed directly on the surface of the product
- **Product label:** name of the coil that is shown on the product label on the coil or product
- **Packaging label:** name of the coil that is shown on the label on the coil packaging box/carton

User documentation	Product inscription	Product label	Packaging label
Contour 24 coil	Contour 24; A 3T Tim 4G Coil Contour 24; A 1.5T Tim 4G Coil	Contour 24	Contour 24 MR Coil Set 3T Contour 24 MR Coil Set 1.5T

7 Appendix: Coil names

This page has been intentionally left blank.

This page has been intentionally left blank.

7 Appendix: Coil names

This page has been intentionally left blank.



Legal Manufacturer

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany

Siemens Healthineers**Headquarters**

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen
Germany
Phone: +49 9131 84-0
siemens-healthineers.com