

Symphonie Aqua Line

The revolution of the prosthesis socket



Symphonie
Aqua System



After years of manufacturing and development work, the entrepreneurial couple Simone and Andreas Radspieler have implemented a revolutionary idea. With the Symphonie Aqua System, they have succeeded in creating an innovation that is unique worldwide. The hydrostatic plaster cast for precisely fitting prosthetic sockets revolutionizes socket technology and sets new standards. The innovative strength of Romedis GmbH reflects the vision of the entrepreneurs:

“We are driven by the aspiration to improve the activity and mobility of people with handicaps through innovation and the use of the most modern technology, thus enabling the highest level of independence.”

Symphonie Aqua Line System Overview

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Which system is right for me – and what are the differences?

Symphonie Aqua System	Digital	VC TT	VC TF	Compact
Cylinder for lower leg	X	X		X
Cylinder for thigh			X	
VC function integrated	X	X	X	X
Pressure can be calculated with App	X	X	X	X
Mobile usable				X
Vertical Venting	X	X	X	X

01 Symphonie Aqua System Digital

With the digital Symphonie Aqua System, it is possible for the first time to digitally capture the individual limb shape during loading, under full contact in the socket. The anatomy of the residual limb with all characteristic structures such as scar tissue, bony structures or non-weight-bearing areas is mapped, digitally recorded and the actual socket shape is generated. Magnetic Field Tracking (MFT) is used to digitally capture the shape of the residual limb hydrostatically, under full weight-bearing in 3D. Symphonie Aqua Digital maps the residual limb anatomy under actual load and combines individual precise socket fabrication with digital production. Without post-processing to the 3D printed or milled model. No casting materials are required for the socket production.

**Digital and intelligent socket production.
Simply precise fit and individual.**



Your advantages

- + Reproducibility of the impression
 - + No plaster, no additional materials
 - + No post-processing
 - + Cost, time and material savings
 - + Easy to use
 - + Vertical Venting Technology
 - + Higher customer satisfaction due to perfect fit and adhesion of the socket
-

Symphonie
Aqua System **DIGITAL**

02 Symphonie Aqua System VC

Perfection in orthopedic technology starts with the plaster cast!

The Symphonie Aqua VC systems have been developed and continuously optimized to fully capture the individual shape of the residual limb under full load. Characteristic structures such as scar tissue, bony structures and non-weight-bearing areas are precisely mapped. On this basis, an exact-fitting plaster cast can be produced.

Symphonie Aqua System VC TT

(for transtibial and knee-ex amputees)

→ p. 10

Symphonie Aqua System VC TF

(for transfemoral amputees)

→ p. 12



Your advantages

- + High customer satisfaction due to perfect fit
- + Cost, time and material savings
- + Easy calculation of hydrostatic pressure through the Symphonie Aqua VC App

Symphonie
Aqua System VC

02 Symphonie Aqua System VC TT

The Symphonie Aqua System VC TT was developed for the treatment of transtibial amputees. The system provides a precise and accurate capture of the soft tissues and bony structures of the transtibial residual limb under full load. For the fitting of knee-ex amputations, the Aqua Gel Pads support the optimal final load during the impression (see accessories). The complete Symphonie Aqua System VC TT consists of a cylinder and a control unit. The components can be ordered separately.

**For the fitting of transtibial amputees
(transtibial and knee-ex amputations).**



Your advantages

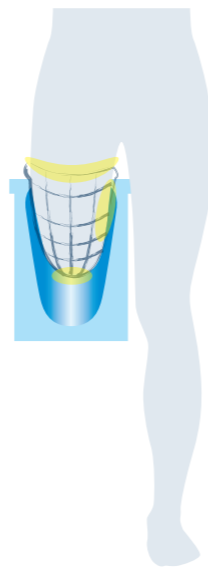
- + Precise and accurate capture of the lower leg stump
 - + Recommended pressure can be easily determined using the VC App
 - + Vertical Venting Technology
-

Symphonie
Aqua System VC

02 Symphonie Aqua System VC TF – new generation

The Symphonie Aqua System VC TF was developed for the treatment of transfemoral amputees. The design with, among other things, the high-reaching membrane enables an anatomically accurate impression of the femoral limb under full load. In particular, the structures in the soft tissue area, such as the ramus ossis ischii, are accurately captured. For optimal use, we recommend the Symphonie Aqua Lifter (see accessories). The Symphonie Aqua System VC TF consists of a cylinder and a control unit. The components can be ordered separately.

**For the treatment of transfemoral amputees
(transfemoral amputation).**



Your advantages

- + Precise and accurate capture of the femoral limb
- + Recommended pressure can be easily determined using the VC App
- + Vertical Venting Technology

Symphonie
Aqua System VC

02 Symphonie Aqua System Control Unit

Control Unit - the special feature of the Symphonie Aqua System VC.

The Symphonie Aqua System VC makes it possible to set the optimum pressure situation in the cylinder with the aid of the VC Control Unit. This allows the physiological pressure ratio and thus the soft tissue and bony structures in the residual limb to be precisely determined under full load.



02 Symphonie Aqua VC App

The Symphonie Aqua VC App was developed to achieve the optimum result for prosthetic treatments faster and more precisely. It is used by the prosthetist to calculate the recommended pressure situation in the Symphonie Aqua System VC. In order to obtain a properly fitting socket right from the first impression, the Symphonie Aqua System VC makes it possible to regulate the hydrostatic pressure individually and accurately. The prosthetist can calculate the recommended pressure using the Symphonie VC app based on the following parameters:

- Weight of the patient
- Circumference of the residual limb at the MPT
- Strength of the connective tissue
- Athleticism of the patient

The prevailing pressure can be adjusted to the recommended pressure using the VC Control Unit.



03 Symphonie Aqua System **Compact**

The precise hydrostatic of the Symphonie Aqua VC System is now also uncompromisingly mobile!
The Symphonie Aqua System Compact has been specially developed for mobile use in clinics, other branches, etc. For all those who do not want to miss out on the precision of the Aqua System.



Your advantages

- + Uncompromisingly mobile application
 - + Perfect results
 - + Fill on site and use easily
 - + Mobile use
 - + Equipped with the new Vertical Venting Technology
-

04 Empirical observation studies

Empirical observation studies on patients prove - the hydrostatic plaster impression for accurately fitting prosthetic sockets is clearly superior to the other impression procedures!

In a comparative test, carried out in the USA in cooperation with the University of Indiana, the manual and the CAD optical scan impression procedure were compared with the hydrostatic procedure. The results are clear! The prostheses fabricated with the hydrostatic method have a significantly better fit and adhesion. Patients can walk faster and cover longer distances with the prostheses made in this way - all without pressure or pain points!

Read more at: www.romedis.com

Symphonie Aqua System

run for success

- + walk longer
- + walk faster
- + walk better



05 Symphonie Aqua Knee Sleeve

Symphonie Aqua Line Knee Sleeve for vacuum shaft systems.

The innovative, very thin and flexible texture combines adhesion and control with comfort and freedom of movement. The flexible material facilitates knee flexion and does not constrict the residual limb. No tension on the patella, no compression in the flexion area, no restriction in use - comfortable in everyday life and sports.

Long sitting, climbing stairs, cycling, walking - all without restriction!

**NO
Limits
BE
Free**



Your advantages

- + High freedom of movement and flexibility
- + High wearing comfort
- + Easy to put on
- + Adhesion and control of the prosthesis
- + Freedom in the knee area, no compression, no wrinkles in the hollow of the knee
- + No pressure on the patella

The knee sleeve is available in sizes S, M, L and XL.



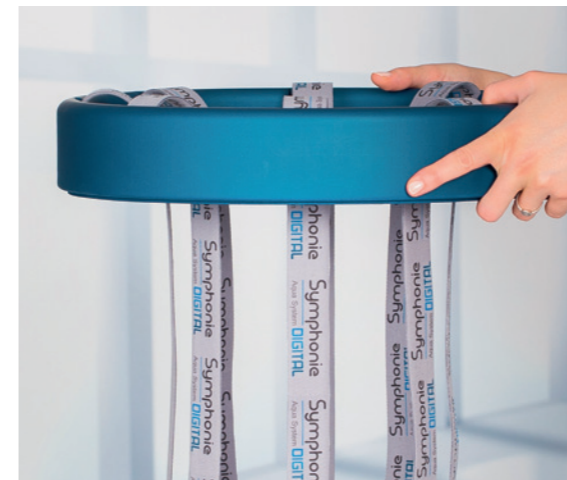
Symphonie
Aqua Line Knee Sleeve
designed by Andreas Radspieler

06 Symphonie Aqua System Accessories

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Sensor Star

The precise coordination of the sensors in magnetic field tracking is generated by the precise arrangement in the sensor star. The individual shape of the residual limb can thus be completely digitally recorded under actual load. Characteristic structures such as scar tissue, bony structures or non-weight-bearing areas are exactly recorded and calculated.



Symphonie Aqua Lifter

The Symphonie Aqua Lifter is suitable for easy and simple height adjustment of all Symphonie Aqua systems. Precise adjustment of the tilt angle is also possible. Thanks to the integrated wheels, it is easy to move despite its sturdy design. The maximum load capacity is 500 kg. The two handles provide the patient with a sufficiently secure hold during the plaster cast.



Symphonie Aqua Liner

The Symphonie Aqua Liner has been developed for use in combination with the Symphonie Aqua System. The soft, 6 mm thick gel layer enables a high absorption of all forces acting on the residual limb. The medical-grade silicone used is very skin-friendly, anti-allergenic and easy to clean.



The Symphonie Aqua Liner is available in different sizes.

Casting Lube

- Optimal for use with the Symphonie Aqua System
- High lubricity
- Odor-free



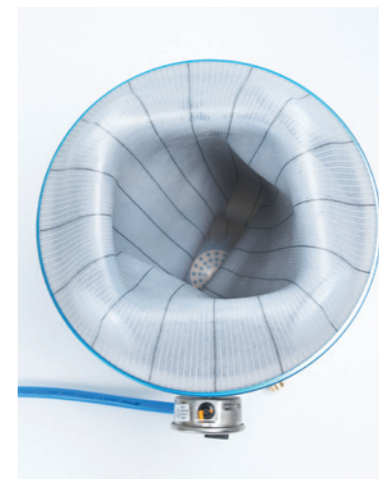
Casting Bags

- 100 pieces
- Protects the membrane from plaster residues



Membrane

- Symphonie Aqua System Gravity
- Symphonie Aqua System VC TT
- Symphonie Aqua System VC TF
- Symphonie Aqua System Digital



Aqua Pads

- For use with the Symphonie Aqua VC TT system for knee ex-articulations
- Especially for PU liners





Sympho

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