

Simbex stands behind this unique system and will assist you and your prosthetist to ensure that the system provides you with a proper fit and very reliable operation.



Simbex: we support you!

To contact your prosthetist:

## ACTIVE CONTACT SYSTEM™

(TRANSFEMORAL)

USER MANUAL

Congratulations on choosing the Active Contact System™! Where a stable, consistent fit and total comfort are just steps away.

The Active Contact System™ was designed to provide a consistent, very reliable fit all day long. No more hassles of adding and removing socks or removing and reseating your prosthesis. The Active Contact System™ manages daily volume fluctuations automatically for you; detecting the volume changes in your residual limb and responding appropriately – resulting in a continuous, comfortable fit.

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Simply Better Exercise™

## GUIDE TO TROUBLESHOOTING YOUR ACTIVE CONTACT SYSTEM™

The Active Contact System™ has been designed to provide years of trouble-free operation and comfort. In the event that a malfunction does occur, consider the following before calling your prosthetist.

*Problem: I am not sure that my system is working.*

Active Contact System™ operation is totally automatic and responds to changes in limb volume. If you experience little or no limb volume changes, the system may not need to exchange very much liquid between the Reservoir and the Contact Liners. However, you can verify that the system is operational by performing the following System Function Test:

1. Set the Control Valve to the OFF position and remove the prosthesis (doff) from your limb.
2. Place the prosthesis upside down to allow liquid to flow from the reservoir into the various Contact Liners.

If the Liners are full after several minutes, then the Active Contact System™ is functioning properly.

If the system does not appear to be functioning properly, call your prosthetist.

## CARING FOR YOUR ACTIVE CONTACT SYSTEM™

To achieve best performance and longest life from your Active Contact System™, some simple routine maintenance is required.

- Your socket and Contact Liners should be cleaned daily. Accumulated build-up of skin oils and debris may cause the Liner adhesives to break down over time. Cleaning your socket with rubbing alcohol (Isopropyl Alcohol) (preferred) or with soap and water will ensure optimal performance of the Active Contact System™ over time. Adhesive tapes should be replaced if they become detached from the Contact Liner or Socket. Please see your prosthetist for replacement.
- The liquid in the Active Contact System™ will need to be recharged periodically to maintain optimal Active Contact System™ performance. During normal visits with your prosthetist, please ask to have your system recharged and adjusted to your desired firmness.

## ADJUSTING CONTACT LINER PRESSURE

Firmness of fit of The Active Contact System™ can be personalized to your level of comfort and confidence in the socket fit and feel.

Please see your prosthetist to adjust the Contact Liner pressure (firmness) to meet your needs.

## INFORMATION

Alternating cycles of suction and pressure, as a result of your walking, act as a pump: liquid is drawn from and returned to the Reservoir within your Active Contact System™ to adjust your socket fit to your limb. The Pumping Liner draws liquid from the reservoir, by suction, during the unweighted (swing) phase of gait. In the weighted (stance) phase, this liquid is pumped into the Contact Liners until the desired firmness of fit is achieved (determined by a Pressure Regulator within the System).

During inactive periods, liquid pressure in the Contact Liners relaxes gradually to a comfortable “sitting” level while maintaining the liquid level in the Contact Liners to prevent suction loss. When you resume walking, the system returns to the firmer fit within just a few steps.

The Active Contact System™ has a very simple control feature: the Control Valve. The Control Valve, located in the backside of the Active Contact System™, is a single push button valve with the feel of a pen plunger. Set in the ON position, the Control Valve allows liquid to flow from the Reservoir to the Contact Liners via the Pumping Liner. Set in the OFF position, the Control Valve allows liquid to flow easily from the Contact Liners to the Reservoir.

While wearing your prosthesis, the Control Valve is in the ON position. To don, doff and not wear your prosthesis, you would want the Control Valve in the OFF position.

## OPERATING YOUR ACTIVE CONTACT SYSTEM™

The Active Contact System™ operates automatically, once the Control Valve is set. For the greatest ease of use and to ensure the longest life of the Active Contact System™, we suggest the following practices:

- Activate the System after donning your prosthesis.
- Deactivate the System prior to doffing your prosthesis and while the prosthesis is off of your limb.
- Clean your socket regularly.
- During normal visits to your prosthetist, have the Active Contact System™ recharged with liquid and adjusted for desired firmness.

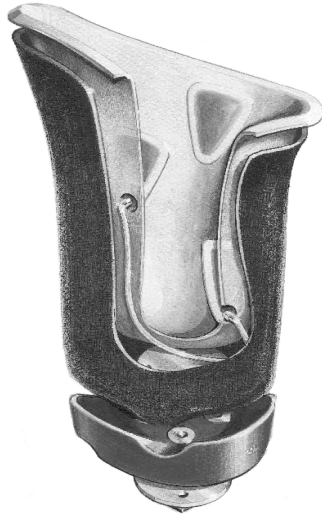


Figure 1: System Components

### ACTIVATING THE CONTROL SYSTEM

The Active Contact System™ (Figure 1) is easy to use. The Control Valve, located on the back surface of the Active Contact System™, is a push-button valve which provides you with a single point of control of the Active Contact System™.

To activate the system, simply don your prosthesis and depress the Control Valve to the ON position (Figure 2).

In the ON position, the Control Valve allows liquid to be pumped between the liquid reservoir and the Contact Liners. The Active Contact System™ adjusts automatically the fit of your socket to your limb.



Figure 2: Control Valve ON

### DEACTIVATING THE CONTROL SYSTEM

To doff the socket from your limb, simply depress the Control Valve again to switch to the OFF position (Figure 3). In the OFF position, the Control Valve allows liquid to drain quickly from the Contact Liners directly to the reservoir to allow easy removal of your prosthesis.



Figure 3: Control Valve OFF

When the prosthesis is off your limb, we recommend that you leave the Control Valve in the OFF position to ensure complete draining of the Contact Liners.

Not to worry, the system will adjust itself to your limb the next time you put on your prosthesis and take a few steps.