



# FLO-TECH® APOPPS®

## *Adjustable Postoperative Protective and Preparatory System*

The prefabricated prosthetic system offering added protection, diligent wound care, controlled shaping of the residuum, and early rehabilitation of transtibial and transfemoral amputations.

### **SOLUTIONS BY DESIGN**

#### **Maximum protection against injury, right from the start.**

With the FLO-TECH-TOR™, you don't have to send your patients home in a heavy awkward, uncomfortable and uncompromising fiberglass or plaster cast. The FLO-TECH-TOR™ is an adjustable postoperative protective socket for transtibial amputation. The FLO-TECH-TOR™ not only enhances healing, it enables the rehabilitation process to begin. And it ensures peace of mind against possible wound deprivation brought about by a potentially damaging stumble or fall.

#### **Complete and diligent care of the wound site.**

The FLO-TECH-TOR™ is light, easy to remove and reapply, giving patients maximum protection against possible reinjury, while providing easy access to the amputation site for attentive wound care. If elastic wrap or shrinkers are needed to add compression and reduce swelling, the FLO-TECH-TOR™ unique patented socket can be easily enlarged or reduced and the wraps adjusted appropriately for correct fit and continued future monitoring of bandages.

#### **Immediate and comprehensive rehabilitation management.**

The FLO-TECH-TOR™ permits controlled, measurable weightbearing when fitted with the Universal Frame Outer Socket (UFOS™). This combination gradually enables the patient to build a tolerance to the firm support required in a properly-fitting prosthesis. During this critical period of rehabilitation, the system is designed specifically to resist knee flexion contractures while effectively maintaining good knee alignment. As the patient progresses, the semirigid plastic sleeve helps shape and prepare the residual limb for a definitive prosthesis while helping restore normal gait stance.

#### **When the time is right for a preparatory prosthesis.**

Moving beyond traditional prosthetic limitations, the biomechanically-engineered Variable Control Supra Patellar Socket (VCSPS™) and Universal Frame Outer Socket (UFOS™) create new possibilities for patients about to be fitted with a lower extremity prosthesis for the first time. The VCSPS™ is used when controlled knee flexion is desired. Fitting snugly over this socket, the UFOS™ has a four-bolt plate permitting attachment of a wide range of lower extremity prostheses. The accompanying waist belt extension strap provides adjustability to ensure stability during normal weight bearing and ambulation. The VCSPS™, in conjunction with the UFOS™, is a preparatory system that can be used even after the patient receives a definitive prosthesis, as a showering device, or as a secondary prosthesis.

**[www.1800FLO-TECH.com](http://www.1800FLO-TECH.com)**

*A wide range of prefabricated sizes and custom systems make the benefits of the very latest in postoperative prosthetic rehabilitation technology available to all amputees.*

Children → Youth → Adult →



# The FLO-TECH-TOR™ Provides:

*For Peace Of Mind,  
Send Your Patients  
Home Safely –  
Send Them Home  
With a  
FLO-TECH-TOR™*



## ☛ Protection from injury during the early stages of rehabilitation

Patients are sent home as soon as possible following an amputation. Many times patients either forget they have an amputation or are caught off guard while stumbling, causing the patient to land dangerously on the sutured or stapled wound. Even with heavy bandages these patients experience wound deprivation. These types of incidents are minimized through regular use of a FLO-TECH-TOR™.

## ☛ Easy access to bandages and dressings for attentive wound care

Sending patients home in a fiberglass or plaster cast makes wound care impossible, and leaves the patient in a heavy awkward and uncomfortable device. The FLO-TECH-TOR™ is light and easy to remove and reapply, to allow the patient (or their attending aide) to give diligent care to the amputation site.

## ☛ Controlled early weight bearing, when the time is right

Controlled weight bearing can begin right away because the flat bottom of the FLO-TECH-TOR™ provides increased stability. The patient, supervised by a physical therapist, can be gradually introduced to weight bearing using a bathroom scale on a chair 24 to 72 hours post amputation. Controlled ambulation, under the supervision of a physical therapist, can begin right away as well, when used with the UFOS™.

## ☛ Control of swelling and edema

There will come a time when the physician wants some compression on the amputation. The FLO-TECH-TOR™ is ideal for this application and is removable to allow continued monitoring of elastic or non-elastic bandages and shrinker socks.

## ☛ Maintenance of knee flexion and extension alignment

Maintenance of good alignment of the knee is crucial to a successful rehabilitation program. The FLO-TECH-TOR™ is specifically designed to resist knee flexion contracture.

## ☛ Volume control as it prepares the residual limb for a definitive prosthesis

The FLO-TECH-TOR™ is fabricated of a semi-rigid plastic, which can be reduced in volume by adjusting the medial, lateral, anterior, posterior and circumference dimensions of the socket in the upper third, middle third or distal third of the socket as the healing patient progresses. This is accomplished by the socket's anatomic, overlapping design and one-piece construction; coupled with the use of a compressive outer band, use of shrinker socks or bandages inside the FLO-TECH-TOR™ to maintain total surface bearing and regular ambulation when used with the UFOS™.



FLO-TECH® O & P Systems, Inc.  
PO Box 462 - 7325 Halseyville Road  
Trumansburg, New York 14886  
www.1800FLO-TECH.com

All materials © FLO-TECH® May 11, 1995, MODIFIED March 2010

Phone: 1-800-FLO-TECH (356-8324)

Phone: (607) 387-3070

Fax: (607) 387-3176

E-mail: info@1800FLO-TECH.com

# The APOPPS®

## Adjustable Postoperative Protective and Preparatory System

Each of these sockets is a one piece, polyethylene, clam shell design with anatomically trimmed overlapping sides, ideal for: accommodating bulbous, straight or conical shapes, protecting and gently reducing the residuum throughout the rehabilitation period and for weight bearing when used in conjunction with the UFOS™.

### FEATURES AND BENEFITS

- ☞ Protects patient against injury during both early and preparatory stages of rehabilitation.
- ☞ Provides easy access to bandages and dressings for attentive wound care.
- ☞ Adjustable designs accommodate compression and swelling of wound area.
- ☞ Accepts elastic wrap (ACE®) or shrinkers to reduce swelling.
- ☞ Permits measured and controlled weight bearing.
- ☞ Allows patient to begin immediate postoperative rehabilitation and early ambulation.
- ☞ Helps build patient tolerance for permanent socket.
- ☞ Ventilated system helps enhance healing.
- ☞ Helps maintain correct extension alignment.
- ☞ Bridges gap between post-op and receipt of definitive prosthesis.
- ☞ Washable, Velcro® compatible Neoprene® bands and Velcro® straps.
- ☞ Variety of stock sizes for immediate delivery.
- ☞ A must for managed care.
- ☞ Pylon package available.
- ☞ Amputation socks available.

For further information or to obtain a free video call Bob Brown, Sr., CPO, FAAOP (video is available one per facility).

FLO-TECH-TOR™



The FLO-TECH-TOR™ is used as a protective socket and for early weight bearing prosthetic management of transtibial amputations.

The VCSPS™ (Variable Control Supra Patellar Preparatory Socket) in conjunction with the UFOS™ is used for preparatory prosthetic management of transtibial amputations.



VCSPS™

The UFOS™ (Universal Frame Outer Socket) is an external frame outer socket used to attach the pylon and foot system. It is sized to match the FLO-TECH-TOR™ or VCSPS™ socket you select for your patient. This system allows your patient to wear the FLO-TECH-TOR™ or VCSPS™ sockets alone when the pylon and foot are not needed.



UFOS™



FLO-TECH® O & P Systems, Inc.  
PO Box 462 - 7325 Halseyville Road  
Trumansburg, New York 14886  
www.1800FLO-TECH.com

All materials © FLO-TECH® May 11, 1995, MODIFIED March 2010

Phone: 1-800-FLO-TECH (356-8324)  
Phone: (607) 387-3070  
Fax: (607) 387-3176  
E-mail: info@1800FLO-TECH.com

# One APOPPS® Program – *Three Prosthetic Systems*

## 1) The FLO-TECH-TOR™

(if not to be used for ambulating)

- ✗ Protective, immediate post-op, early or extended wear socket.



## 2) The Rehab System

(FLO-TECH-TOR™ & UFOS™)

- ✗ Early and training ambulation (24 hours to 4 weeks post-op)



## 3) The Preparatory System

(VCSPS™ & UFOS™)

- ✗ Independent ambulation (2 weeks to 6 months post-op)



## Adjustable Postoperative Protective and Preparatory System

*This three part postoperative, protective or preparatory prosthesis allows the prosthetist to attach the components of choice. It is available in the traditional 4 bolt attachment configuration. The APOPPS® accepts either the FLO-TECH-TOR™ or the VCSPS™ offering protection or ambulatory training from postoperative amputation to definitive prosthesis.*

The UFOS™ with foot and pylon components can be removed without removing the inner socket. This then offers practitioners a versatile rehabilitation system. The patient can be sent home, or back to their hospital room, with the protective or preparatory socket on. The UFOS™ remains in the control and possession of the physical therapist or prosthetist until the patient is determined to be ready to assume the responsibility of donning and doffing it themselves. All three sockets work together to enable prosthetists to fit virtually any shape or any size amputation.

Adult sizes will fit distal tibial circumference measurements of 13, 14, 15, 16, 17 and 18 inches, and are available in lengths of 7 and 9 inches. A total of 12 sizes (left) and 12 sizes (right) or 24 sizes.

There are 12 adult sizes available in left or right. The APOPPS® consists of 3 sockets (FLO-TECH-TOR™, VCSPS™ and the UFOS™). Together we are able to offer prosthetists 72 prefabricated transtibial sockets, OVERNIGHT, to fit 80% of transtibial amputations.

Custom sockets can also be fabricated from measurements. Orders received in our lab by noon will be shipped the same day. Making the benefits of the APOPPS® available to virtually 100% of transtibial amputations.

## The APOPPS® (Complete) System

(FLO-TECH-TOR™, VCSPS™ & UFOS™)

- ✗ Expedite Care



FLO-TECH® O & P Systems, Inc.  
PO Box 462 - 7325 Halseyville Road  
Trumansburg, New York 14886  
www.1800FLO-TECH.com

All materials © FLO-TECH® May 11, 1995, MODIFIED March 2010

Phone: 1-800-FLO-TECH (356-8324)  
Phone: (607) 387-3070  
Fax: (607) 387-3176  
E-mail: info@1800FLO-TECH.com

# One APOPPS-TF® Program – Two Prosthetic Systems

## 1) The FLO-TECH-TOR-TF™

(if not to be used for ambulating)

✗ Protective, immediate post-op,  
early or extended wear socket.

## 2) The Preparatory System

(FLO-TECH-TOR-TF™ & UFOS-TF™)

✗ Early and training ambulation  
(24 hours to 4 weeks post-op)

## The APOPPS-TF® (Complete) System

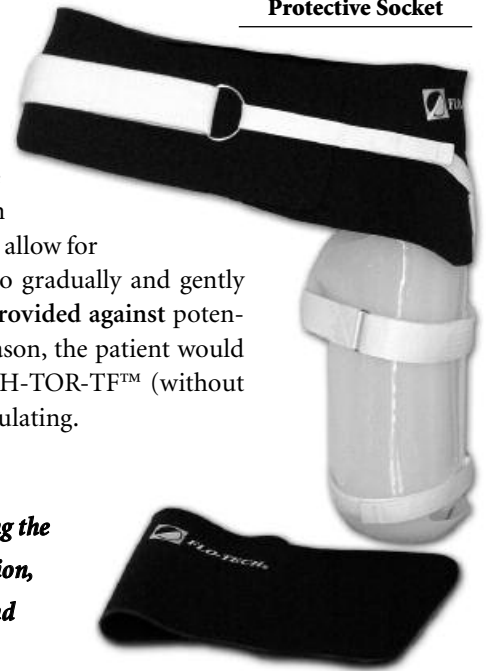
(FLO-TECH-TOR-TF™ & UFOS-TF™)

✗ Expedite Care

The FLO-TECH-TOR-TF™ serves as a protective device during the early period of rehabilitation and should fit over the hip and snugly up into the groin area. The bands prevent chafing, allow for attention to hygiene and help to gradually and gently reduce swelling. Protection is provided against potential causes of injury. For this reason, the patient would continue to wear the FLO-TECH-TOR-TF™ (without the UFOS-TF™) while not ambulating.

*... a protective device during the  
early period of rehabilitation,  
helps control swelling and  
prevent injury.*

FLO-TECH-TOR-TF™  
Protective Socket



*Knee, Pylon  
and Foot  
Components  
additional.  
See bottom of  
APOPPS-TF®  
orderform.*



UFOS-TF™

## Using the APOPPS-TF® as a Preparatory Prosthesis

*As a preparatory prosthesis the Universal Frame Outer Socket (UFOS-TF™) (with pylon, foot and suspension belts) is worn over the FLO-TECH-TOR-TF™. This creates a safe, secure, early and preparatory weight bearing and walking system. Ambulation can begin from 48 hours (up to seven days) after initial fitting of the protective socket.*

The UFOS-TF™ is the Universal Frame Outer Socket of the APOPPS-TF®. The socket is suspended by loosening the Silesian straps and inserting them through designated slots in the UFOS-TF™. All this is done without losing suspension of the FLO-TECH-TOR-TF™ as it is held in place by the inner Velcro® compatible Neoprene® and Velcro® band.

The UFOS-TF™ allows for the attachment of a knee unit, pylon and foot. The socket is available in the traditional four bolt attachment configuration.

*Visit our Web site for more information– [www.1800FLO-TECH.com](http://www.1800FLO-TECH.com)*