



## VenaFlow® System

VenaFlow® System pioneered graduated, pneumatic compression for the functional management of orthopedic injuries. The VenaFlow® System evolved from this unique experience, and from performance principles established by earlier researchers in pneumatic compression. VenaFlow® System provides intermittent pneumatic compression as a prophylaxis for deep vein thrombosis.

Designed as a prophylaxis for Deep Vein Thrombosis, the VenaFlow® System combines two proven technologies, rapid inflation and graduated sequential compression, to accelerate venous velocity and enhance fibrinolysis. For the superior emptying of veins, VenaFlow also incorporates asymmetric compression.

The breathable and comfortable calf, foot and thigh cuffs enhance the patient experience and are compatible with one universal pump.



### Function

The cuffs are applied, pump and tube assembly connected, and pump turned on. Compression is rapid, graduated and sequential for maximum effectiveness. The distal aircell inflates rapidly, then settles to 52 mmHg  $\pm$ 10%, and the proximal aircell follows in .3 seconds to settle at 45 mmHg  $\pm$ 10%. After 6 seconds of compression, the cuffs deflate. This cycle repeats every minute.

When the pump is activated, the peak pressures gradually rise through the first five minutes of operation. This allows the patient to gradually adjust to the treatment.

The VenaFlow® System should not be used by persons with known or suspected deep vein thrombosis, congestive heart failure, pulmonary edema, thrombophlebitis, severe arteriosclerosis, or active infection. Do not use on extremities which are not sensitive to pain, where cuff will interfere with gangrene, on patients with vein ligation or recent skin grafts, or extreme deformity of the leg. Do not use the VenaFlow system where increased venous or lymphatic return is undesirable.

### Key Product Features

- Universal pump design is compatible with all three cuff styles to minimize inventory
- Preset pressures and alarms allow for ease of use and eliminates the need for adjustment
- Comfortable, cool and breathable cuffs enhance patient experience and compliance
- Seamless, duplex air cell design provides consistent and uninterrupted compression