

CLOSURE DEVICES

ASSISTED COMPRESSION DEVICES						
Company Name	Product Name	Type	Puncture Size (F)	Maximum Wire Compatibility	FDA Approved	Comments
Abbott Vascular	Chito-Seal	Topical hemostasis pads/patches	All	n/a	Yes	Chito-Seal is coated with Abbott's proprietary Chitosan Gel, which consists of positively charged Chitosan molecules that attract negatively charged red blood cells and platelets. When placed over the puncture site, Chito-Seal's cell binding ability expedites clot formation and accelerates hemostasis.
Angiotech	V+Pad	Topical hemostasis pads/patches	All	All	Yes	Promotes platelet aggregation to D-glucosamine enriched fibers and exposed collagen at puncture site. Platelet degranulation stimulates the body's natural clotting cascade in the intrinsic pathway forming a rapid platelet plug resulting in hemostasis.
Datascope [†]	Safeguard (12, 24 cm)	Pressure-assisted dressing	All	n/a	Yes	Assists manual compression and maintains hands-free pressure. Adjustable pressure is applied to wound and access sites via an inflatable bulb contained within an adhesive bandage, allowing visibility of the site. Available in two sizes for use anywhere pressure is required.
Marine Polymer Technologies	Syvek Patch, SP, NT	Topical hemostasis pads/patches	All	All	Yes	Indicated for rapid hemostasis at the vascular access site including patients on anticoagulation therapy.
	Syvek Excel Vascular Access Hemostasis System	Topical hemostasis pads/patches compression assist device				Includes Syvek Excel patch, compression assist device, sterile wipe, transparent film dressing.
Possis Medical, Inc.	SafeSeal	Topical hemostasis pads/patches	All	n/a	Yes	The SafeSeal Patch uses MPH Technology (Microporous Polysaccharide Hemospheres), a non-toxic, bioabsorbable, plant-derived desiccant. The MPH beads act on the fluid component of blood, causing faster, enhanced clotting at the access site. It provides safe and rapid hemostasis even in ACT-compromised patients. Reduces manual compression time.
RADI Medical Systems	FemoStop plus	Mechanical compression devices	All	All	Yes	Precise and consistent compression while allowing immediate reaccess to the femoral site.
	FemoStop HD					Includes a sterile, hemostatic dressing impregnated with m*doc. Deep and topical hemostasis and immediate reaccess to the femoral site.
	RadiStop					Support plate provides comfortable and efficient positioning of the wrist and mechanical compression and stabilization of the radial artery.

[†]Safeguard is now being distributed by Datascope's Cardiac Assist division.

ASSISTED COMPRESSION DEVICES

Company Name	Product Name	Type	Puncture Size (F)	Maximum Wire Compatibility	FDA Approved	Comments
Scion CV, distributed by Medtronic	Clo-Sur Plus PAD	Topical hemostasis pads/patches	All	All	Yes	High positive charge attracts negatively charged red blood cells. Water-soluble. Noninvasive PAD is only device FDA approved as an antimicrobial barrier PAD.
TZ Medical	Neptune	Topical hemostasis pads/patches	All	All	Yes	Calcium alginate wound dressing that facilitates hemostasis after catheterization. Available with Disc or standard 2 X 2 pad.
	Comfort Band	Compression strap				Radial/brachial strap. Comes sterile or nonsterile, with or without Neptune calcium alginate.
	QuickLamp	Mechanical compression devices				To be used with the Neptune Disc or Disco Discs. Inexpensive alternative to holding manual pressure.
	EZ Hold	Compression devices				To be used with the Neptune Disc or Disco Discs. Weighted, T-shaped handle provides an alternative to manual pressure and eliminates the long-term effects associated with holding. Reusable.
	Disco Discs					Works with all clamp systems on the market. Inexpensive single-use item.
Vascular Solutions, Inc.	D-Stat Dry	Thrombin-based topical hemostasis pad	All	n/a	Yes	A hemostatic pad with the clotting power of thrombin used as an adjunct to manual compression.
	D-Stat Radial	Mechanical device with thrombin				Adjustable radial compression band layered with a comfort pad and a thrombin pad.
	D-Stat Flowable	Thrombin and collagen topical hemostat				Thick yet flowable hemostat that can be used topically on sources of active bleeding. Kit includes two applicator tips.
	ThrombiGel	Topical hemostat with thrombin				Thrombin plus Gelfoam in a composite pad.
	D-Stat Clamp Accessory	Mechanical compression device accessory with thrombin				Thrombin-based hemostatic bandage configuration for attachment to many standard clamp devices.