

ASSISTED COMPRESSION DEVICES

Company Name	Product Name	Type	Puncture Size (F)	Maximum Wire Compatibility	FDA Approved	Comments
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
Bioline LLC	BioSeal Advanced	Topical powder/seal	All	N/A	Yes	Not a pad or patch; clinically proven to form an occlusive seal over access site and reduce hold times, including for anticoagulated patients; works independently of the blood-clotting cascade
HemCon Medical Technologies, Inc.	HemCon Patch	Topical hemostatic patch with antibacterial barrier	All	N/A	Yes	Flexible and hemostatic patch that is highly efficacious and provides an antibacterial barrier; the patch is a cost effective solution that helps decrease hold times and ambulation periods; contains no procoagulants and is effective on anticoagulated patients
Maquet Cardiovascular	Safeguard (12, 24 cm)	Pressure-assisted device	6	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
Medrad Interventional/Possis	SafeSeal Hemostasis Patch	Topical hemostasis pads/patches	All	N/A	Yes	Uses MPH technology, a nontoxic, bioabsorbable, plant-derived desiccant; the MPH microbeads act on the fluid component of blood, causing faster, enhanced clotting at the access site; provides safe and rapid hemostasis even in ACT-compromised patients; reduces manual compression time
Merit Medical	RadStat	Radial hemostasis device	All	N/A	Yes	Immobilizes wrist; includes wrist band with compression disc to compress radial artery

Prepared by the editors of *Endovascular Today* in conjunction with the product manufacturers.

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Scion Cardio-Vascular	Clo-Sur Plus P.A.D.	Topical hemostasis pads/patches	All	All	Yes	High positive charge attracts negatively charged red blood cells; helps accelerate control of bleeding when placed over the puncture site; includes anticoagulation therapy patients; water soluble for easy removal; only device FDA cleared as an antimicrobial barrier that protects against organisms that may contribute to hospital-acquired infections
Scion CV, distributed by Medtronic, Inc.	Clo-Sur P.A.D.	Topical hemostasis pads/patches	All	All	Yes	High positive charge attracts negatively charged red blood cells; water-soluble; noninvasive P.A.D.
St. Jude Medical, Inc.	FemoStop Gold	Mechanical compression devices	All	All	Yes	Integrated Manometer allows for greater ease of use, accurate pressure management, and reduction of the risk of cross contamination
	RadiStop					Support plate provides comfortable and efficient positioning of the wrist and mechanical compression and stabilization of the radial artery
Terumo Interventional Systems	TR Band	Radial hemostasis device	All	All	Yes	Transparent hemostasis device allowing for complete visual control; dual-compression balloons provide precise compression of the radial artery to ensure blood return without compromising local nerve structure
TZ Medical	Neptune	Topical hemostasis pads/patches	All	All	Yes	Calcium alginate hemostasis pad that facilitates the clotting cascade in conjunction with manual compression while providing an antimicrobial barrier
	Neptune Plus					Calcium alginate hemostasis pad with a protective polymer backing that facilitates the clotting cascade in conjunction with manual compression while providing an antimicrobial barrier
	Comfort Band	Compression strap				Adjustable hemostasis band provides radial and brachial proximal pressure; available in three sizes; nonsterile or sterile and optional calcium alginate hemostasis pad attached, which provides an antimicrobial barrier
	QuickLamp	Mechanical compression devices				Hands-free adjustable pressure device to be used with compression discs with or without calcium alginate hemostasis pad attached
	EZ Hold	Compression devices				Reusable handheld weighted compression device used with compression discs; provides users with a pain-free alternative
	Pressure Discs	Compression discs				Compression discs with optional calcium alginate attached; works in conjunction with all clamp systems

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Vascular Solutions, Inc.	D-Stat Dry Hemostatic Bandage	Thrombin-based topical hemostasis pad with bandage	All	N/A	Yes	A hemostatic pad with the clotting power of thrombin; used as an adjunct to manual compression
	D-Stat Dry Wrap Hemostatic Bandage					A precut hemostatic pad with the clotting power of thrombin for use around indwelling lines
	D-Stat Dry Clear Hemostatic Bandage	Thrombin-based topical hemostasis pad with clear bandage				A hemostatic pad with the clotting power of thrombin; used as an adjunct to manual compression with a clear bandage
	D-Stat 2 Dry Hemostatic Bandage	Thrombin-based topical hemostasis pad with two bandages				A two-bandage hemostatic pad; version of the D-Stat Dry that is scored and can be separated in half for application on two separate puncture sites
	D-Stat Rad-Band	Mechanical compression device with thrombin that is designed to facilitate hemostasis of radial punctures				Adjustable radial compression band that consists of a nonwoven pad containing thrombin, an adjustable strap, easy release clasp, and attached foam comfort pads
	D-Stat Flowable Hemostat	Flowable thrombin, collagen and Ca++ hemostat				Thick yet flowable hemostat that can be used topically on sources of active bleeding; also indicated for prepectoral pocket hemostasis following pulse generator implantation
	D-Stat Handle	Mechanical compression tool				A comfortable, ergonomically designed complement to the D-Stat Clamp Accessory
	D-Stat Clamp Accessory	Thrombin-based topical hemostasis pad with comfort pad and coupling device				Thrombin-based hemostatic bandage configured for attachment to D-Stat Handle and many other standard clamp devices
Z-Medica Corporation	QuikClot Interventional	Topical hemostatic bandage	All, including up to 12 F	N/A	Yes	A kaolin-based hemostatic pad and 3M Tegaderm adhesive bandage, applied topically as an adjunct to manual compression and indicated for the local management and control of surface bleeding from vascular access sites; double packaged in a blister package and foil pouch for aseptic use
ACT, activated clotting time.						