

# Medtronic

## Technical specifications

Nonthermal  
ablation



VenaSeal™ Closure System  
Cyanoacrylate closure

### VenaSeal closure system kit

Component	Description	Quantity
VenaSeal adhesive	Glass vial with 5 cc adhesive	1
Dispenser gun	Delivers controlled quantities of adhesive	1
Catheter	5 F, 91 cm	1
Introducer	7 F, 80 cm	1
Dilator	5 F, 87 cm	1
Syringes	3 cc	2
Dispenser tips	14 gauge	2
Straight floppy-tip guidewire	0.035 in (0.89 mm), 180 cm	1

VenaSeal closure system is a sterile, single-use patient kit comprised of the VenaSeal adhesive and VenaSeal delivery system components.









The VenaSeal closure system kit is available in one configuration.

Configuration	Order number
Single pack	VS-404

VenaSeal closure system kit box dimensions

Width and length	Height
363.5 mm (14.31 in)	55.6 mm (2.19 in)

## VenaSeal closure system kit

Component	Image	Description
VenaSeal adhesive		The adhesive, a specially formulated n-butyl-2-cyanoacrylate (n-BCA), is a clear, free-flowing liquid in a vial sealed with a screw-cap. The adhesive is provided sterile following exposure to dry heat.
Dispenser gun		The dispenser gun consists of a pistol-type, ergonomic handle with an integrated barrel and trigger. Each depression of the trigger delivers a controlled 0.10 cc (range: 0.06 cc to 0.12 cc) amount of adhesive.
Catheter		The catheter is 5 F with an effective length of 91 cm, with laser markings at 3 cm and at 85 cm from the tip, and with high echogenic visibility.
Introducer		The introducer is 7 F with an effective length of 80 cm and circumferential markings in 10 mm intervals along its length for measuring retraction length during procedure.
Dilator		The dilator is 5 F with an effective length of 87 cm.
Syringes		The 3 cc syringes are graduated Monoject™ Luer Lock syringes, each with a standard, threaded Luer Lock connector.
Dispenser tips		The dispenser tips are each comprised of a stainless steel, 1.5 mm diameter, 3.8 cm length hypotube with a Luer Lock connector.
Straight floppy-tip guidewire		The guidewire is a 0.035 in (0.89 mm), 180 cm straight floppy-tip guidewire.

## Learn more at [Medtronic.com/Venaseal](https://www.Medtronic.com/Venaseal)

### Brief statement

#### VenaSeal™ closure system

**Intended Use/Indications:** The VenaSeal™ closure system (VenaSeal system) is indicated for use in the permanent closure of lower extremity superficial truncal veins, such as the great saphenous vein (GSV), through endovascular embolization with coaptation. The VenaSeal system is intended for use in adults with clinically symptomatic venous reflux as diagnosed by duplex ultrasound (DUS).

**Contraindications:** Separate use of the individual components of the VenaSeal closure system is contraindicated. These components must be used as a system. The use of the VenaSeal system is contraindicated when any of the following conditions exist: previous hypersensitivity reactions to the VenaSeal adhesive or cyanoacrylates, acute superficial thrombophlebitis, thrombophlebitis migrans, acute sepsis.

**Potential Adverse Effects of the Device on Health:** The potential adverse effects (e.g., complications) associated with the use of the VenaSeal system include, but are not limited to, adverse reactions to a foreign body (including, but not limited to, nonspecific mild inflammation of the cutaneous and subcutaneous tissue), arteriovenous fistula, bleeding from the access site, deep vein thrombosis (DVT), edema in the treated leg, embolization, including pulmonary embolism (PE), hematoma, hyperpigmentation, hypersensitivity or allergic reactions to cyanoacrylates, such as urticaria, shortness of breath, and anaphylactic shock, infection at the access site, pain, paresthesia, phlebitis, superficial thrombophlebitis, urticaria, erythema, or ulceration may occur at the injection site, vascular rupture and perforation, visible scarring.

Warnings, precautions, and instructions for use can be found in the product labeling at [manuals.medtronic.com](https://manuals.medtronic.com).

**CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.

[medtronic.com/Venaseal](https://www.Medtronic.com/Venaseal)

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