

**Venovo™ Venous Stent System**

Dia. (mm)	Length (mm)	Sheath Size (F)	80 cm Catheter Length	120 cm Catheter Length
10	40	8	<input type="checkbox"/> VENUM10040	<input type="checkbox"/> VENUL10040
	60	8	<input type="checkbox"/> VENUM10060	<input type="checkbox"/> VENUL10060
	80	8	<input type="checkbox"/> VENUM10080	<input type="checkbox"/> VENUL10080
	100	8	<input type="checkbox"/> VENUM10100	<input type="checkbox"/> VENUL10100
	120	8	<input type="checkbox"/> VENUM10120	<input type="checkbox"/> VENUL10120
	140	8	<input type="checkbox"/> VENUM10140	<input type="checkbox"/> VENUL10140
12	160	8	<input type="checkbox"/> VENUM10160	<input type="checkbox"/> VENUL10160
	40	8	<input type="checkbox"/> VENUM12040	<input type="checkbox"/> VENUL12040
	60	8	<input type="checkbox"/> VENUM12060	<input type="checkbox"/> VENUL12060
	80	8	<input type="checkbox"/> VENUM12080	<input type="checkbox"/> VENUL12080
	100	8	<input type="checkbox"/> VENUM12100	<input type="checkbox"/> VENUL12100
	120	8	<input type="checkbox"/> VENUM12120	<input type="checkbox"/> VENUL12120
14	140	8	<input type="checkbox"/> VENUM12140	<input type="checkbox"/> VENUL12140
	160	8	<input type="checkbox"/> VENUM12160	<input type="checkbox"/> VENUL12160
	40	9	<input type="checkbox"/> VENUM14040	<input type="checkbox"/> VENUL14040
	60	9	<input type="checkbox"/> VENUM14060	<input type="checkbox"/> VENUL14060
	80	9	<input type="checkbox"/> VENUM14080	<input type="checkbox"/> VENUL14080
	100	9	<input type="checkbox"/> VENUM14100	<input type="checkbox"/> VENUL14100
12	120	9	<input type="checkbox"/> VENUM14120	<input type="checkbox"/> VENUL14120
	140	9	<input type="checkbox"/> VENUM14140	<input type="checkbox"/> VENUL14140
	160	9	<input type="checkbox"/> VENUM14160	<input type="checkbox"/> VENUL14160

The Venoclose™ EVSRF Catheter is intended to be used with the Venoclose™ digiRF™ Generator as a system. The Venoclose™ EVSRF catheter is intended for endovascular coagulation of blood vessels in patients with superficial vein reflux. The Venoclose™ EVSRF Catheter is contraindicated in patients with thrombus in the vein segment to be treated. Potential adverse events include but are not limited to the following: vessel perforation; skin discoloration; nerve injury; temporary paresthesia; thrombosis; deep vein thrombosis; phlebitis; hematoma; infection; skin burn; pulmonary embolism; and pain.

The Venoclose Maven™ Catheter is intended for endovascular coagulation of blood vessels in patients with perforator and tributary vein reflux. The Venoclose Maven™ Catheter is contraindicated in patients with thrombus in the vein segment to be treated. Potential adverse events include, but are not limited to the following: vessel perforation; skin discoloration; nerve injury; temporary paresthesia; thrombosis; deep vein thrombosis; phlebitis; hematoma; infection; skin burn; pulmonary embolism; and pain.

The Venovo™ Venous Stent System is indicated for the treatment of symptomatic iliofemoral venous outflow obstruction. The Venovo™ Venous Stent is not designed for repositioning or recapturing. The Venovo™ Venous Stent System is contraindicated for use in patients with a known hypersensitivity to nitinol (nickel-titanium) and tantalum and patients who cannot receive intraprocedural anti-coagulation therapy. Potential Adverse Events include, but are not limited to: Allergic/anaphylactic reaction · Death related/unrelated to procedure · Dissection · Embolization · Extravasation · Hematoma, puncture site · Hypotension/hypertension · Incorrect positioning of the stent requiring further stenting or surgery · Intimal injury/dissection · Ischemia/infarction of tissue/organ · Malposition (failure to deliver the stent to the intended site) · Open surgical repair · Pulmonary embolism · Stent Fracture · Stent Migration · Venous occlusion/thrombosis/stenosis Please consult product labels and instructions for the use of indications, contraindications, hazards, warnings, and precautions.

The Aspirex™ Thrombectomy System is indicated for the removal of acute emboli and thrombi from vessels of the peripheral venous system. The 6F and 8F Aspirex™ Thrombectomy Catheters are indicated for the removal of acute emboli and thrombi from hemodialysis access grafts and native arteriovenous fistulas. The Aspirex™ Mechanical Aspiration Thrombectomy System is not for use in the vessels of the cardiac, pulmonary, coronary and neurovasculature. Potential adverse events include, but are not limited to: air embolism; vessel spasm; thrombosis; dissection or perforation; or valve damage.

**Venovo™ Venous Stent System**

Dia. (mm)	Length (mm)	Sheath Size (F)	80 cm Catheter Length	120 cm Catheter Length
16	40	10	<input type="checkbox"/> VENUM16040	<input type="checkbox"/> VENUL16040
	60	10	<input type="checkbox"/> VENUM16060	<input type="checkbox"/> VENUL16060
	80	10	<input type="checkbox"/> VENUM16080	<input type="checkbox"/> VENUL16080
	100	10	<input type="checkbox"/> VENUM16100	<input type="checkbox"/> VENUL16100
	120	10	<input type="checkbox"/> VENUM16120	<input type="checkbox"/> VENUL16120
	140	10	<input type="checkbox"/> VENUM16140	<input type="checkbox"/> VENUL16140
18	160	10	<input type="checkbox"/> VENUM16160	<input type="checkbox"/> VENUL16160
	40	10	<input type="checkbox"/> VENUM18040	<input type="checkbox"/> VENUL18040
	60	10	<input type="checkbox"/> VENUM18060	<input type="checkbox"/> VENUL18060
	80	10	<input type="checkbox"/> VENUM18080	<input type="checkbox"/> VENUL18080
	100	10	<input type="checkbox"/> VENUM18100	<input type="checkbox"/> VENUL18100
	120	10	<input type="checkbox"/> VENUM18120	<input type="checkbox"/> VENUL18120
20	140	10	<input type="checkbox"/> VENUM18140	<input type="checkbox"/> VENUL18140
	160	10	<input type="checkbox"/> VENUM18160	<input type="checkbox"/> VENUL18160
	40	10	<input type="checkbox"/> VENUM20040	<input type="checkbox"/> VENUL20040
	60	10	<input type="checkbox"/> VENUM20060	<input type="checkbox"/> VENUL20060
	80	10	<input type="checkbox"/> VENUM20080	<input type="checkbox"/> VENUL20080
	100	10	<input type="checkbox"/> VENUM20100	<input type="checkbox"/> VENUL20100
12	120	10	<input type="checkbox"/> VENUM20120	<input type="checkbox"/> VENUL20120
	140	10	<input type="checkbox"/> VENUM20140	<input type="checkbox"/> VENUL20140
	160	10	<input type="checkbox"/> VENUM20160	<input type="checkbox"/> VENUL20160

The Denali™ Filter is indicated for use in the prevention of recurrent pulmonary embolism via placement in the vena cava in the following situations: · Pulmonary thromboembolism when anticoagulants are contraindicated · Failure of anticoagulant therapy for thromboembolic disease · Emergency treatment following massive pulmonary embolism where anticipated benefits of conventional therapy are reduced · Chronic, recurrent pulmonary embolism where anticoagulant therapy has failed or is contraindicated. The Denali™ Filter may be removed according to the instructions supplied in the Instructions for Use under the section labeled: "Optional Procedure for Filter Removal". The Denali™ Vena Cava Filter should not be implanted in: · Patients with an IVC diameter larger than 28 mm. · Pregnant patients when fluoroscopy may endanger the fetus. Risks and benefits should be assessed carefully. · Patients with risk of septic embolism. · Patients with uncontrolled sepsis. · Patients with known hypersensitivity to nickel-titanium alloys. The Denali™ Vena Cava Filter should not be retrieved if significant thrombus is in or near the filter.

The Atlas™ Gold PTA Dilatation Catheter is indicated for use in Percutaneous Transluminal Angioplasty of the peripheral vasculature, including the iliac arteries and iliac and femoral veins, and for the treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae. This device is also indicated for post-dilatation of stents and stent grafts in the peripheral vasculature. This catheter is not for use in coronary arteries. Contraindications: None known. Potential Adverse Reactions: The complications which may result from a peripheral balloon dilatation procedure include: · Acute thrombotic occlusion · Additional intervention · Allergic reaction to drugs or contrast medium · Aneurysm or pseudoaneurysm · Arrhythmias · Balloon rupture · Balloon getting stuck on stent · Distal embolization (PE) · Hematoma · Hemorrhage, including bleeding at the puncture site · Hypotension/hypertension · Inflammation · Leg edema · Occlusion · Pain or tenderness · Pneumothorax or hemothorax · Sepsis/infection · Shock · Short term hemodynamic deterioration · Stent disruption or dislodgement with balloon insertion · Stroke · Thrombosis · Vessel dissection, perforation, rupture, or spasm.

**Please consult product labels and instructions for use for indications, contraindications, hazards, warnings, and precautions.**



Venous disease impacts millions of people all around the world. The BD venous portfolio consists of category-leading products, innovative solutions and dedicated patient resources – all designed to help improve clinical efficiency and enhance patient care. **Learn more by scanning the QR code.**

# Your Partner in Venous Care

bd.com BD, Tempe, AZ, USA, 1 800 321 4254



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# Simplified RF Ablation

# Modernized 360° Solution

## Venclose™ RF Ablation Catheter

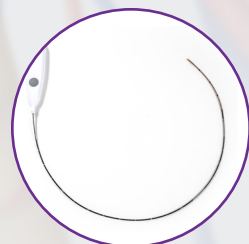
The **ONLY** RF device with **dual heating lengths** to treat long and short refluxing vein segments with one catheter.\*



Torqueable



Flexible



Curved

Together with its flexible and curved catheter design, the torqueable Venclose™ RF Ablation Catheter helps to navigate tortuous anatomies.

### DUAL HEATING LENGTHS

10 CM & 2.5 CM

**6F**

LOW-PROFILE

### Patient Outcomes



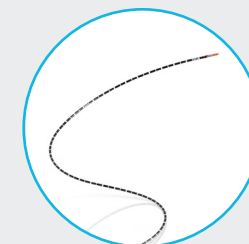
Images courtesy of Matthew Wise, MD, Advanced Vein Center, Orange, CA. Individual results may vary. After treatment image is representative of a patient typically 2 weeks post-op. \* As of January 2025

## Venclose Maven™ Perforator Catheter

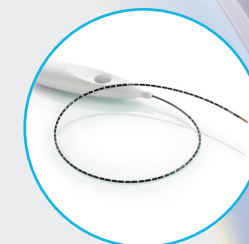
The **ONLY** **360° heating coil RF solution** for the treatment of incompetent perforator and tributary veins.\*



Circumferential Heating Coil



Flexible



Curved

Treat incompetent perforators and tributary veins with the flexible and curved Venclose Maven™ Perforator Catheter featuring a circumferential heating coil, avoiding the need for repeated quadrant ablation.

**0.5 CM**

RESISTIVE HEATING COIL

**20 SEC**

TREATMENT CYCLES

**6F**

LOW-PROFILE

### Patient Outcomes



Images courtesy of Nathan Tomita, DO (Pacific Vascular Institute - Kona, HI). Individual results may vary. After treatment image is representative of a patient typically 2 weeks post-op. \* As of January 2025

# Engineered for Strength & Flexibility

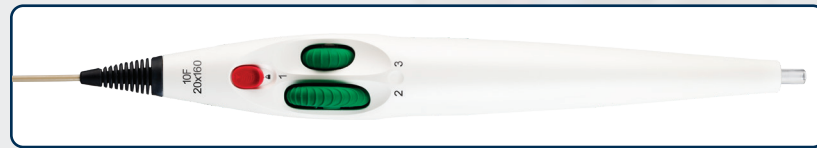
# 3-in-1 Thrombectomy

Aspirate · Macerate · Transport

## Venovo™ Venous Stent System

### Designed for Veins

The Venovo™ Venous Stent is designed to offer a balance between radial strength, compression resistance, and flexibility.



### Triaxial Delivery

Triaxial delivery system designed for placement accuracy

### Flared Ends

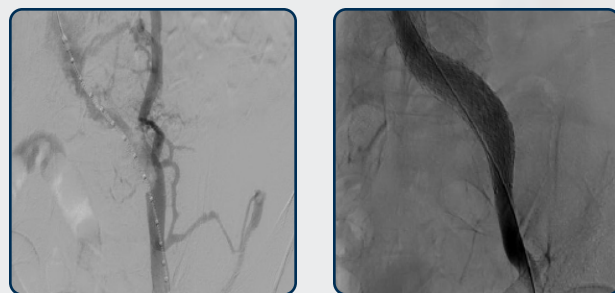
Unique 3 mm flared ends designed to help reduce stent migration and maximize wall apposition

### Radial Force

Highest mean radial resistive force among tested iliofemoral venous stents<sup>1</sup>

## Patient Outcomes

Post thrombotic patient treated at the common iliac vein.



Case by David Dexter, MD. Individual treatment results may vary.

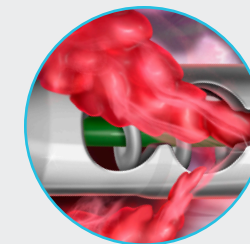
<sup>1</sup> Radial resistive force was tested at 13 mm crimp diameter (1 mm oversizing) using a radial expansion force gauge. Results shown are averages measured in N/mm as follows (n=6): Venovo™ Venous Stent System (0.126), Medtronic Abre™ Venous Stent (0.104), Cook Zilver® Vena™ (0.063) and Boston Scientific VICI VENOUS STENT™ (0.054). Data on file. BD, Tempe, AZ. Bench tests may not be indicative of clinical performance. Different test methods may yield different results.

## Aspirex™

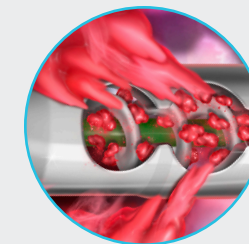
### Mechanical Aspiration Thrombectomy System

### Complete Mechanism of Action

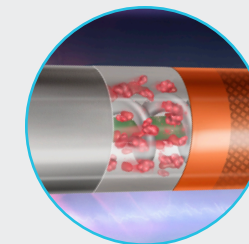
The Aspirex™ Mechanical Aspiration Thrombectomy System offers a 3-in-1 mechanism of action designed to aspirate, macerate, and transport clot out of the vessel.



Aspiration



Maceration



Transportation

## Real Results

### Recanalization of an Acute Iliofemoral Deep Vein Thrombosis Using the Aspirex™ 10F Catheter

Dr. Michael Lichtenburg, Chief Medical Officer, Karolinen Hospital, Arnberg, Germany

Venogram shows complete thrombotic occlusion of the left iliac vein (Figure 1). Mechanical thrombectomy was performed with the 10F Aspirex™ Catheter (Figure 2). At the 3-month clinical follow-up, the patient presented symptom-free. Venous outflow was shown to be patent on the treated side.

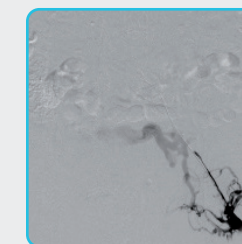


Figure 1

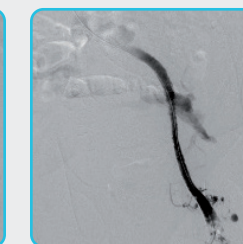


Figure 2: After 3 passes  
Individual treatment results may vary

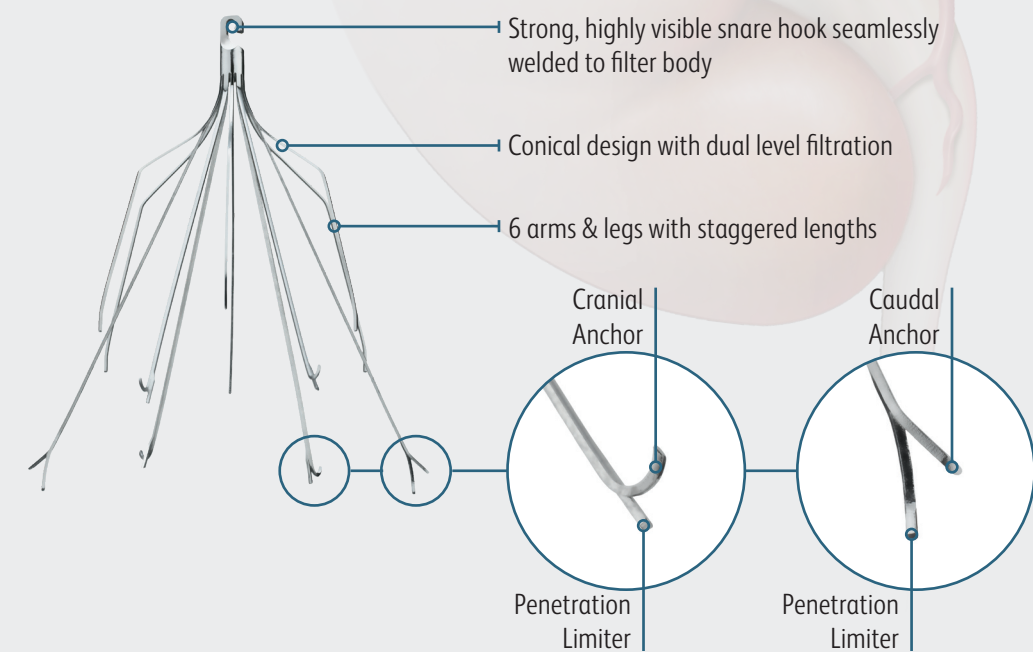


# Advanced Filter Design

## Denali™ Vena Cava Filter

### Help Protect Against Recurrent Pulmonary Embolism

The advanced design of the Denali™ Filter is engineered to help filter stability, strength, and retrieval.



## BD Reach™ Program

The BD Reach™ Program is an industry-leading initiative designed to help physicians contact their patients with a Denali™ Vena Cava Filter.

reach.bd.com



# Built for Large Diameter Vessels

## Atlas™ Gold PTA Dilatation Catheter

### Indicated for Iliofemoral Veins

The Atlas™ Gold PTA Dilatation Catheters are the **only** fiber, ultra non-compliant balloons designed for large diameter vessels.<sup>1</sup>



#### Predictable

Virtually no balloon growth beyond stated diameter, which helps reduce the risk of overdilation.<sup>2</sup>

#### High Pressure

Dilation up to 18 ATM on select sizes

<sup>1</sup> On the U.S. market, as of January 2025.

<sup>2</sup> Bench testing (n=150; 30 samples each of 12 mm x 2 mm x 80 cm, 12 mm x 6 mm x 80 cm, 18 mm x 6 mm x 80 cm, 26 mm x 2 mm x 80 cm, 26 mm x 4 mm x 80 cm) may not be indicative of clinical performance. Atlas™ Gold Catheter exhibited 2% or less mean growth in outer diameter between nominal pressure and rated burst pressure. Data on file, BD, Tempe, AZ. Different test methods may yield different results.

### Aspirex™ Catheter Set

Size	Length (cm)	Product Codes
6F	135	<input type="checkbox"/> 80325
8F	85	<input type="checkbox"/> 80326
	110	<input type="checkbox"/> 80327
10F	110	<input type="checkbox"/> 80328

### Aspirex™ Drive System

Description	Product Codes
Drive System	<input type="checkbox"/> 80300

Aspirex™ Catheter Set includes catheter, guidewire, sterile drape, and collecting bag

### Spare Aspirex™ Guidewires (5-Pack)

Diameter	Length (cm)	Tip	Flexible Tip	Product Codes
0.018"	220	Angled	40 mm	<input type="checkbox"/> 80320
	270	Angled	40 mm	<input type="checkbox"/> 80321
	320	Angled	40 mm	<input type="checkbox"/> 80322
0.025"	270	Angled	60 mm	<input type="checkbox"/> 80323

### Atlas™ Gold PTA Dilatation Catheter

Diameter (mm)	Length (cm)	Sheath (F)	Nominal Pressure (atm)	RBP (atm)	80 cm Shaft Codes	120 cm Shaft Codes
12	2	7	6	18	<input type="checkbox"/> ATG80122	<input type="checkbox"/> ATG120122
	4	7	6	18	<input type="checkbox"/> ATG80124	<input type="checkbox"/> ATG120124
	6	7	6	18	<input type="checkbox"/> ATG80126	<input type="checkbox"/> ATG120126
14	2	7	6	18	<input type="checkbox"/> ATG80142	<input type="checkbox"/> ATG120142
	4	7	6	18	<input type="checkbox"/> ATG80144	<input type="checkbox"/> ATG120144
	6	8	6	18	<input type="checkbox"/> ATG80146	<input type="checkbox"/> ATG120146
16	2	8	6	18	<input type="checkbox"/> ATG80162	<input type="checkbox"/> ATG120162
	4	8	6	18	<input type="checkbox"/> ATG80164	<input type="checkbox"/> ATG120164
	6	8	6	16	<input type="checkbox"/> ATG80166	<input type="checkbox"/> ATG120166
18	2	8	6	16	<input type="checkbox"/> ATG80182	<input type="checkbox"/> ATG120182
	4	8	6	16	<input type="checkbox"/> ATG80184	<input type="checkbox"/> ATG120184
	6	9	6	16	<input type="checkbox"/> ATG80186	<input type="checkbox"/> ATG120186
20	2	9	6	16	<input type="checkbox"/> ATG80202	<input type="checkbox"/> ATG120202
	4	9	6	16	<input type="checkbox"/> ATG80204	<input type="checkbox"/> ATG120204
22	2	10	4	14	<input type="checkbox"/> ATG80222	<input type="checkbox"/> ATG120222
	4	10	4	14	<input type="checkbox"/> ATG80224	<input type="checkbox"/> ATG120224
24	2	10	4	14	<input type="checkbox"/> ATG80242	<input type="checkbox"/> ATG120242
	4	10	4	14	<input type="checkbox"/> ATG80244	<input type="checkbox"/> ATG120244
26	2	12	4	12	<input type="checkbox"/> ATG80262	<input type="checkbox"/> ATG120262
	4	12	4	12	<input type="checkbox"/> ATG80264	<input type="checkbox"/> ATG120264

### Denali™ Vena Cava Filter

Description	Qty	Product Codes
Femoral Delivery Kit	1 ea	<input type="checkbox"/> DL900F
Jugular Delivery Kit	1 ea	<input type="checkbox"/> DL900J

### Venclose™ RF Ablation Catheter

Description	Product Codes
Venclose™ RF Ablation Catheter (60 cm)	<input type="checkbox"/> VC10A256F60
Venclose™ RF Ablation Catheter (100 cm)	<input type="checkbox"/> VC10A256F100

### Venclose Maven™ Perforator Catheter

Description	Product Codes
Venclose Maven™ Perforator Catheter (40 cm)	<input type="checkbox"/> VC056F

### Generator & Accessories

Description	Product Codes
Venclose™ RF Generator	<input type="checkbox"/> VCRFG1
Venclose™ Procedure Pack (No Access)	<input type="checkbox"/> VCPK
7 cm Micro Introducer Kit	<input type="checkbox"/> NIS02A
12 cm Micro Introducer Kit	<input type="checkbox"/> NIS02
12G Angiocath™ IV Catheter	<input type="checkbox"/> 382277
Venclose™ System Foot Pedal	<input type="checkbox"/> VCFP1
Venclose™ System US Power Cord	<input type="checkbox"/> VPCB