

# VASCULAR ACCESS

Because every life deserves affordable care



# REGULAR NEEDLES

- DEHP-FREE
- LATEX-FREE
- GAMMA STERILIZATION

## STANDARD, 2-PACK, SINGLE NEEDLE

Outstanding quality and performance from years of experience and rigid manufacturing control

### ULTRA SHARP AND SILICONIZED 3-BEVEL NEEDLE

Ensures smooth and optimal puncture and prevents vessel trauma

### ULTRA-THIN NEEDLE WALL

Guarantees an optimal blood flow

### TURNABLE OR FIXED COLOR-CODED WINGS

Facilitates the recognition of gauge size

### SOFT FLEXIBLE TUBING

Eases clamping during the bloodline connection/disconnection while absorbing shocks and reducing needle movement in patient

### TAPERED LUER

Warrants a safe and easy connection/disconnection with bloodlines

### OVAL-SHAPED BACK-EYE

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall on the arterial needle

### BLACK AND RED DOTS

Indicates the bevel position on the needle with turnable wings

### TEXTURED WINGS

Provides secure grip during needle manipulation

### COLOR-CODED OCCLUSION CLAMP AND LUER

Simplifies the distinction between arterial and venous needles

STANDARD, 2-PACK

# STANDARD, 2-PACK, AND SINGLE NEEDLE ADVANTAGES

- Easy to handle AVF needles
- Smooth cannulation with ultra sharp needle
- Optimal blood flow

## SPECIFICATIONS

### Standard Needles

| Arterial Needle* | Venous Needle* |
|------------------|----------------|
| AV-1420-HTC-15R  | AV-1420-TC-15B |
| AV-1425-HTC-15R  | AV-1425-TC-15B |
| AV-1432-HTC-15R  | AV-1432-TC-15B |
| AV-1420-HTC-30R  | AV-1420-TC-30B |
| AV-1425-HTC-30R  | AV-1425-TC-30B |
| AV-1432-HTC-30R  | AV-1432-TC-30B |
| AV-1520-HTC-15R  | AV-1520-TC-15B |
| AV-1525-HTC-15R  | AV-1525-TC-15B |
| AV-1532-HTC-15R  | AV-1532-TC-15B |
| AV-1520-HTC-30R  | AV-1520-TC-30B |
| AV-1525-HTC-30R  | AV-1525-TC-30B |
| AV-1532-HTC-30R  | AV-1532-TC-30B |
| AV-1620-HTC-15R  | AV-1620-TC-15B |
| AV-1625-HTC-15R  | AV-1625-TC-15B |
| AV-1632-HTC-15R  | AV-1632-TC-15B |
| AV-1620-HTC-30R  | AV-1620-TC-30B |
| AV-1625-HTC-30R  | AV-1625-TC-30B |
| AV-1632-HTC-30R  | AV-1632-TC-30B |
| AV-1720-HTC-15R  | AV-1720-TC-15B |
| AV-1725-HTC-15R  | AV-1725-TC-15B |
| AV-1732-HTC-15R  | AV-1732-TC-15B |
| AV-1720-HTC-30R  | AV-1720-TC-30B |
| AV-1725-HTC-30R  | AV-1725-TC-30B |
| AV-1732-HTC-30R  | AV-1732-TC-30B |

### Single Needles

| SGN*             |
|------------------|
| SGN1420-HTC-15RB |
| SGN1425-HTC-15RB |
| SGN1432-HTC-15RB |
| SGN1420-HTC-30RB |
| SGN1425-HTC-30RB |
| SGN1432-HTC-30RB |
| SGN1520-HTC-15RB |
| SGN1525-HTC-15RB |
| SGN1532-HTC-15RB |
| SGN1520-HTC-30RB |
| SGN1525-HTC-30RB |
| SGN1532-HTC-30RB |
| SGN1620-HTC-15RB |
| SGN1625-HTC-15RB |
| SGN1632-HTC-15RB |
| SGN1620-HTC-30RB |
| SGN1625-HTC-30RB |
| SGN1632-HTC-30RB |
| SGN1720-HTC-15RB |
| SGN1725-HTC-15RB |
| SGN1732-HTC-15RB |
| SGN1720-HTC-30RB |
| SGN1725-HTC-30RB |
| SGN1732-HTC-30RB |

| Size (Gauge) | Needle Length (mm) | Tube Length (mm) | Color |
|--------------|--------------------|------------------|-------|
| 14           | 20                 | 150              | ■     |
| 14           | 25                 | 150              | ■     |
| 14           | 32                 | 150              | ■     |
| 14           | 20                 | 300              | ■     |
| 14           | 25                 | 300              | ■     |
| 14           | 32                 | 300              | ■     |
| 15           | 20                 | 150              | ■     |
| 15           | 25                 | 150              | ■     |
| 15           | 32                 | 150              | ■     |
| 15           | 20                 | 300              | ■     |
| 15           | 25                 | 300              | ■     |
| 15           | 32                 | 300              | ■     |
| 16           | 20                 | 150              | ■     |
| 16           | 25                 | 150              | ■     |
| 16           | 32                 | 150              | ■     |
| 16           | 20                 | 300              | ■     |
| 16           | 25                 | 300              | ■     |
| 16           | 32                 | 300              | ■     |
| 17           | 20                 | 150              | ■     |
| 17           | 25                 | 150              | ■     |
| 17           | 32                 | 150              | ■     |
| 17           | 20                 | 300              | ■     |
| 17           | 25                 | 300              | ■     |
| 17           | 32                 | 300              | ■     |

\* Needles with turnable wings. Arterial and venous needles are also available with fixed wings instead of turnable wings.



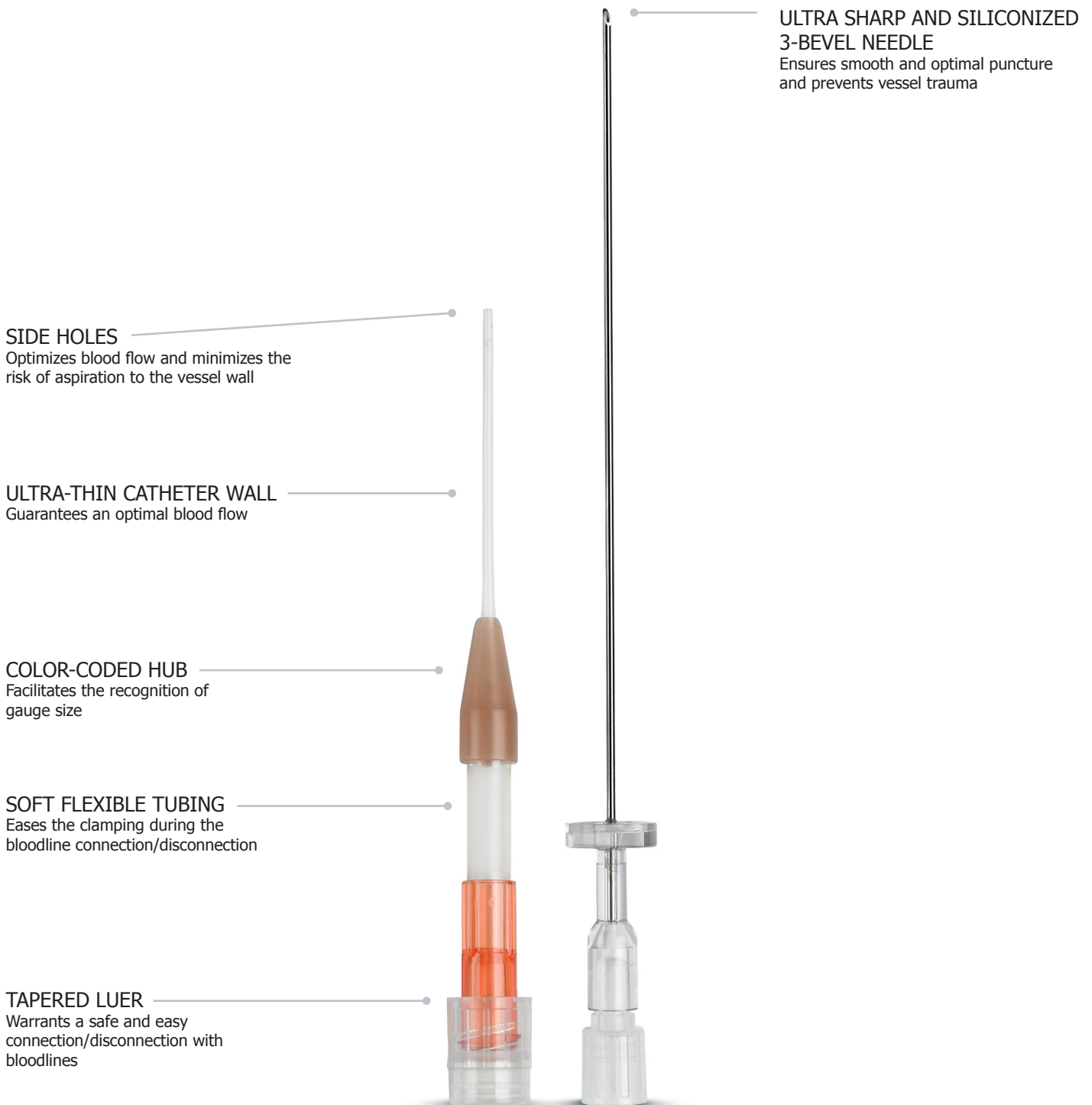
SINGLE NEEDLE

# REGULAR NEEDLES

- LATEX-FREE
- GAMMA STERILIZATION

## CATHETER NEEDLES

For a comfortable and flexible treatment



## CATHETER NEEDLE ADVANTAGES

- Plastic fistula needles may prevent vascular access complications
- Safe cannulation during fistula maturation
- Decreased risk of perforation
- Greater patient mobility
- Better option for patients allergic to metal

## SPECIFICATIONS

| AVF Catheter Needle | Size (Gauge) | Catheter Length (mm) | Color                                                                               |
|---------------------|--------------|----------------------|-------------------------------------------------------------------------------------|
| AV-CATH-1420        | 14           | 20                   |  |
| AV-CATH-1425        | 14           | 25                   |  |
| AV-CATH-1432        | 14           | 32                   |  |
| AV-CATH-1438        | 14           | 38                   |  |
| AV-CATH-1525        | 15           | 25                   |  |
| AV-CATH-1532        | 15           | 32                   |  |
| AV-CATH-1538        | 15           | 38                   |  |
| AV-CATH-1625        | 16           | 25                   |  |
| AV-CATH-1632        | 16           | 32                   |  |
| AV-CATH-1638        | 16           | 38                   |  |
| AV-CATH-1725        | 17           | 25                   |  |
| AV-CATH-1732        | 17           | 32                   |  |
| AV-CATH-1738        | 17           | 38                   |  |

## SAFETY NEEDLES

### The fundamental protection against needlestick injuries (NSI)

Every year, healthcare professionals are affected by needlestick and sharps injuries. The World Health Organization estimates that 3 of the 35 million healthcare professionals worldwide are exposed to bloodborne pathogens each year as a result of these injuries. Almost 50% of injuries are not reported, which leads to a significant under-estimation.

Since 1 in 5 patients in dialysis centers globally are considered "at risk" for HIV and Hepatitis B and C, NSI are a major occupational hazard for both healthcare professionals and hospitals.

### Extra pressure on healthcare professionals

- After a NSI and before contamination is confirmed or denied:
  - Stress and decreased productivity
- For those who contract a disease as a result of their injury:
  - Lifelong consequences
  - Physical and emotional adjustment
  - Financial burdens
  - Inability to continue working in the healthcare profession in some cases

### Additional burdens for hospitals

- Costs for testing viral contamination, compensation, and leave of absence
- Loss of professional knowledge and time spent training new persons

NSI may be prevented by the use of medical devices that incorporate "safety engineered protection mechanisms" and the elimination of the unnecessary use of sharps devices. The recommendations of Clinical Guidelines for the prevention of contamination are as follow:

- The safety mechanism must be an integral part of the safety device, not a separate accessory
- The activation of the safety mechanism must be convenient and allow the care giver to maintain appropriate control over the procedure
- A single-handed or automatic activation is preferable
- The activation of the safety mechanism must manifest itself by means of an audible, tactile, or visual sign to the health professional
- The safety mechanisms should not be easily reversible once activated

# SAFETY NEEDLES

- DEHP-FREE
- LATEX-FREE
- GAMMA STERILIZATION

## SAFETOUGH™ AVF NEEDLE

For a safe and successful treatment

### ULTRA SHARP AND SILICONIZED 3-BEVEL NEEDLE

Ensures smooth and optimal puncture and prevents vessel trauma

### BLACK AND RED DOTS

Indicates the bevel position on the needle with turnable wings

### TURNABLE OR FIXED COLOR-CODED WINGS

Facilitates the recognition of gauge size

### SAFETOUGH SAFETY MECHANISM

Prevents NSI

### SOFT FLEXIBLE TUBING

Eases clamping during the bloodline connection/disconnection while absorbing shocks and reducing needle movement in patient

### TAPERED LUER

Warrants a safe and easy connection/disconnection with bloodlines

### OVAL-SHAPED BACK-EYE

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall on the arterial needle

### ULTRA-THIN NEEDLE WALL

Guarantees an optimal blood flow

### TEXTURED WINGS

Provides secure grip during needle manipulation

### COLOR-CODED OCCLUSION CLAMP AND LUER

Eases the distinction between arterial and venous needles



## SAFETOUCH™ AVF NEEDLE FEATURES

- Reduced risk of needle stick injury
- Non-reversible mechanism
- Active safety feature using a one-handed technique
- Secured locking confirmed by an audible and tactile click
- Unique locking mechanism

## SAFETOUCH™ AVF NEEDLE SAFETY MECHANISM

1. Hold down the wing protector and/or the wings with one hand
2. With the other hand, release the lock by pressing in both sides of the stopper
3. Slide the stopper forward until it becomes completely locked with an audible or tactile click

## SPECIFICATIONS

| Arterial Needle* | Venous Needle*  | Size (Gauge) | Needle Length (mm) | Tube Length (mm) | Color  |
|------------------|-----------------|--------------|--------------------|------------------|--------|
| AVSF1420-HTC-15R | AVSF1420-TC-15B | 14           | 20                 | 150              | Blue   |
| AVSF1425-HTC-15R | AVSF1425-TC-15B | 14           | 25                 | 150              | Blue   |
| AVSF1432-HTC-15R | AVSF1432-TC-15B | 14           | 32                 | 150              | Blue   |
| AVSF1420-HTC-30R | AVSF1420-TC-30B | 14           | 20                 | 300              | Blue   |
| AVSF1425-HTC-30R | AVSF1425-TC-30B | 14           | 25                 | 300              | Blue   |
| AVSF1432-HTC-30R | AVSF1432-TC-30B | 14           | 32                 | 300              | Blue   |
| AVSF1520-HTC-15R | AVSF1520-TC-15B | 15           | 20                 | 150              | Yellow |
| AVSF1525-HTC-15R | AVSF1525-TC-15B | 15           | 25                 | 150              | Yellow |
| AVSF1532-HTC-15R | AVSF1532-TC-15B | 15           | 32                 | 150              | Yellow |
| AVSF1520-HTC-30R | AVSF1520-TC-30B | 15           | 20                 | 300              | Yellow |
| AVSF1525-HTC-30R | AVSF1525-TC-30B | 15           | 25                 | 300              | Yellow |
| AVSF1532-HTC-30R | AVSF1532-TC-30B | 15           | 32                 | 300              | Yellow |
| AVSF1620-HTC-15R | AVSF1620-TC-15B | 16           | 20                 | 150              | Green  |
| AVSF1625-HTC-15R | AVSF1625-TC-15B | 16           | 25                 | 150              | Green  |
| AVSF1632-HTC-15R | AVSF1632-TC-15B | 16           | 32                 | 150              | Green  |
| AVSF1620-HTC-30R | AVSF1620-TC-30B | 16           | 20                 | 300              | Green  |
| AVSF1625-HTC-30R | AVSF1625-TC-30B | 16           | 25                 | 300              | Green  |
| AVSF1632-HTC-30R | AVSF1632-TC-30B | 16           | 32                 | 300              | Green  |
| AVSF1720-HTC-15R | AVSF1720-TC-15B | 17           | 20                 | 150              | Orange |
| AVSF1725-HTC-15R | AVSF1725-TC-15B | 17           | 25                 | 150              | Orange |
| AVSF1732-HTC-15R | AVSF1732-TC-15B | 17           | 32                 | 150              | Orange |
| AVSF1720-HTC-30R | AVSF1720-TC-30B | 17           | 20                 | 300              | Orange |
| AVSF1725-HTC-30R | AVSF1725-TC-30B | 17           | 25                 | 300              | Orange |
| AVSF1732-HTC-30R | AVSF1732-TC-30B | 17           | 32                 | 300              | Orange |

\* Needles with turnable wings. Arterial and venous needles are also available with fixed wings instead of turnable wings.



# SAFETY NEEDLES

- DEHP-FREE
- LATEX-FREE
- GAMMA STERILIZATION

## SAFETOUCH TULIP™ Ergonomic protection

### ULTRA SHARP AND SILICONIZED 3-BEVEL NEEDLE

Ensures smooth and optimal puncture and prevents vessel trauma

### BLACK AND RED DOTS

Indicates the bevel position on the needle with turnable wings

### TURNABLE OR FIXED COLOR-CODED WINGS

Facilitates the recognition of gauge size

### TULIP SAFETY MECHANISM

Prevents NSI

### SOFT FLEXIBLE TUBING

Eases clamping during the bloodline connection/disconnection while absorbing shocks and reducing needle movement in patient

### TAPERED LUER

Warrants a safe and easy connection/disconnection with bloodlines

### OVAL-SHAPED BACK-EYE

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall on the arterial needle

### ULTRA-THIN NEEDLE WALL

Guarantees an optimal blood flow

### TEXTURED WINGS

Provides secure grip during needle manipulation

### COLOR-CODED OCCLUSION CLAMP AND LUER

Eases the distinction between arterial and venous needles

# SAFETOUCH TULIP™ FEATURES

- Reduced risk of needle stick injury
- Non-reversible mechanism
- Active safety feature using a one-handed technique
- Secured locking confirmed by a tactile click
- Unique patented locking mechanism\*

## SAFETOUCH TULIP™ SAFETY MECHANISM

1. Hold down the wing protector and/or the wings with one hand
2. With the other hand, slide the TULIP needle protector forward until two petals of the TULIP needle protector tip are positioned over the flattened wings
3. Grasp the tubing at the base of the TULIP needle protector
4. Pull on the tubing while pushing the TULIP needle protector forward, completely covering the needle until wings are secured in the TULIP needle protector with a tactile click

## SPECIFICATIONS

| Arterial Needle** | Venous Needle** | Size (Gauge) | Needle Length (mm) | Tube Length (mm) | Color                                                                                 |
|-------------------|-----------------|--------------|--------------------|------------------|---------------------------------------------------------------------------------------|
| AVT-1420-HTC-30R  | AVT-1420-TC-30B | 14           | 20                 | 300              |  |
| AVT-1425-HTC-30R  | AVT-1425-TC-30B | 14           | 25                 | 300              |  |
| AVT-1432-HTC-30R  | AVT-1432-TC-30B | 14           | 32                 | 300              |  |
| AVT-1520-HTC-30R  | AVT-1520-TC-30B | 15           | 20                 | 300              |  |
| AVT-1525-HTC-30R  | AVT-1525-TC-30B | 15           | 25                 | 300              |  |
| AVT-1532-HTC-30R  | AVT-1532-TC-30B | 15           | 32                 | 300              |  |
| AVT-1620-HTC-30R  | AVT-1620-TC-30B | 16           | 20                 | 300              |  |
| AVT-1625-HTC-30R  | AVT-1625-TC-30B | 16           | 25                 | 300              |  |
| AVT-1632-HTC-30R  | AVT-1632-TC-30B | 16           | 32                 | 300              |  |
| AVT-1720-HTC-30R  | AVT-1720-TC-30B | 17           | 20                 | 300              |  |
| AVT-1725-HTC-30R  | AVT-1725-TC-30B | 17           | 25                 | 300              |  |
| AVT-1732-HTC-30R  | AVT-1732-TC-30B | 17           | 32                 | 300              |  |

\*\* Needles with turnable wings. Arterial and venous needles are also available with fixed wings instead of turnable wings.



\* Patent active in Germany, France, United Kingdom, Italy, and Spain

# SAFETY NEEDLES

- LATEX-FREE
- GAMMA STERILIZATION

## AVF SAFETOUGH™ CATHETER NEEDLE, AVF SAFETOUGH™ SINGLE NEEDLE CATHETER NEEDLE Safe and easy manipulation to increase patient comfort

### ULTRA SHARP AND

### SILICONIZED 3-BEVEL NEEDLE

Ensures smooth and optimal puncture and prevents vessel trauma

### SIDE HOLES ON PLASTIC TUBE

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall

### ULTRA-THIN CATHETER WALL

Guarantees an optimal blood flow

### COLOR-CODED HUB

Facilitates the recognition of gauge size

### SOFT FLEXIBLE TUBING

Eases the clamping during the bloodline connection

### TAPERED LUER

Warrants a safe and easy connection/disconnection with bloodlines

### SAFETOUGH SAFETY MECHANISM

Prevents NSI

### VISIBLE AND TACTILE MARK

Indicates the bevel position

AVF SAFETOUGH™ CATHETER NEEDLE



# SAFETOUCH CATHETER NEEDLE ADVANTAGES

- Plastic fistula needles may prevent vascular access complications
- Reduced risk of needle stick injury
- Safe cannulation during fistula maturation
- Decreased risk of perforation
- Greater patient mobility
- Better option for patients allergic to metal

# SAFETOUCH CATHETER NEEDLE, SAFETOUCH SINGLE NEEDLE CATHETER NEEDLE FEATURES

- Passive safety device
- Pre-removal activation: immediate shielding of needle upon withdrawal from catheter
- Non-reversible mechanism
- Unique patented locking mechanism

# SPECIFICATIONS

## AVF SAFETOUCH CATHETER NEEDLE

| Catheter        | Size (Gauge) | Catheter Length (mm) | Color  |
|-----------------|--------------|----------------------|--------|
| AV-SF-CATH-1420 | 14           | 20                   | Blue   |
| AV-SF-CATH-1425 | 14           | 25                   | Blue   |
| AV-SF-CATH-1432 | 14           | 32                   | Blue   |
| AV-SF-CATH-1438 | 14           | 38                   | Blue   |
| AV-SF-CATH-1525 | 15           | 25                   | Yellow |
| AV-SF-CATH-1532 | 15           | 32                   | Yellow |
| AV-SF-CATH-1538 | 15           | 38                   | Yellow |
| AV-SF-CATH-1625 | 16           | 25                   | Green  |
| AV-SF-CATH-1632 | 16           | 32                   | Green  |
| AV-SF-CATH-1638 | 16           | 38                   | Green  |
| AV-SF-CATH-1725 | 17           | 25                   | Orange |
| AV-SF-CATH-1732 | 17           | 32                   | Orange |
| AV-SF-CATH-1738 | 17           | 38                   | Orange |

## AVF SAFETOUCH AVF SINGLE NEEDLE CATHETER NEEDLE

| Catheter        | Size (Gauge) | Catheter Length (mm) | Color  |
|-----------------|--------------|----------------------|--------|
| SGNSF-CATH-1425 | 14           | 25                   | Blue   |
| SGNSF-CATH-1432 | 14           | 32                   | Blue   |
| SGNSF-CATH-1525 | 15           | 25                   | Yellow |
| SGNSF-CATH-1532 | 15           | 32                   | Yellow |
| SGNSF-CATH-1625 | 16           | 25                   | Green  |
| SGNSF-CATH-1632 | 16           | 32                   | Green  |



# BIOHOLE™ NEEDLES

## Buttonhole technique: The ultimate combination of safety and comfort

Experience how the buttonhole technique can help you maximize patient comfort, provide a better experience for your medical staff, and improve your center's efficiency.

Clinical Practice Guidelines recommend different procedures for the prevention of vascular access complications, including the use of the buttonhole technique:

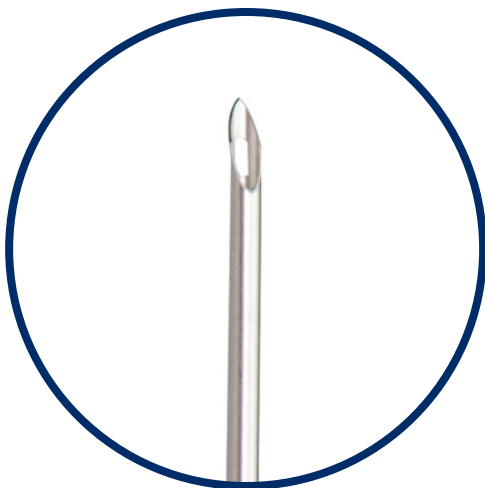
- Reduces pain
- Reduces aneurysms
- Lowers vascular access failure
- Facilitates access for self-cannulation
- Improves appearance of the fistula

## Optimized patient comfort

- Reduces pain compared to rope-ladder technique
- Minimizes potential needling error and hematoma formation
- Increases freedom for home dialysis patients, as they can self-cannulate
- Esthetical aspect: reduces aneurysma formation and only 2 puncture sites
- Decreases bleeding time
- Diminishes tunnel track deformation
- Reduces penetration force

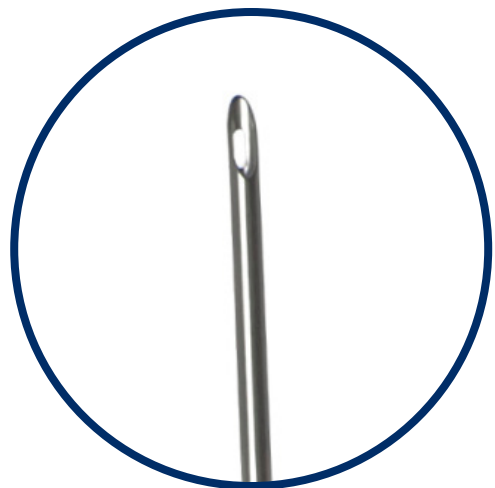
## Improved operational efficiency

- Extends life of the vascular access
- Decreases amount of needle attempts
- Reduces workload: shorter bleeding time, prevents rebleeding, avoids hematoma and linked complications



**SHARP NEEDLE**

For standard cannulation techniques and first cannulation(s) for the buttonhole technique



**DULL NEEDLE**

For the buttonhole technique

# BIOHOLE NEEDLES

- DEHP-FREE
- LATEX-FREE
- GAMMA STERILIZATION

## BIOHOLE™ NEEDLE, BIOHOLE™ SINGLE NEEDLE

### SILICONIZED DULL NEEDLE

Ensures smooth penetration and prevents vessel trauma

### TURNABLE OR FIXED COLOR-CODED WINGS

Facilitates the recognition of gauge size

### SOFT FLEXIBLE TUBING

Eases clamping during the bloodline connection/disconnection while absorbing shocks and reducing needle movement in patient

### SCAB REMOVER

Simplifies the scab removal when using the buttonhole technique

### TAPERED LUER

Warrants a safe and easy connection/disconnection with bloodlines

### OVAL-SHAPED BACK-EYE

Optimizes blood flow and minimizes the risk of aspiration to the vessel wall on the arterial needle

### ULTRA-THIN NEEDLE WALL

Guarantees an optimal blood flow

### BLACK AND RED DOTS

Indicates the bevel position on the needle with turnable wings

### TEXTURED WINGS

Provides secure grip during needle manipulation

### WHITE OCCLUSION CLAMP

Allows easy distinction between standard and safety needles

### COLOR CODED LUER

Eases the distinction between arterial and venous needles

BIOHOLE™ NEEDLE

# BIOHOLE AND BIOHOLE SINGLE NEEDLE ADVANTAGES

- Specially designed to be used with the buttonhole technique
- Easy to handle BioHole needle
- Optimal blood flow

## SPECIFICATIONS

| Arterial Needle* |  | Venous Needle* |  | Single Needle**   |  |              |                    |                  |       |
|------------------|--|----------------|--|-------------------|--|--------------|--------------------|------------------|-------|
|                  |  |                |  |                   |  | Size (Gauge) | Needle Length (mm) | Tube Length (mm) | Color |
| AVD1420-HTC-15R  |  | AVD1420-TC-15B |  | SGD1420-HTC-15RB  |  | 14           | 20                 | 150              | ■     |
| AVD1425-HTC-15R  |  | AVD1425-TC-15B |  | SGD1425-HTC-15RB  |  | 4            | 25                 | 150              | ■     |
| AVD1432-HTC-15R  |  | AVD1432-TC-15B |  | SGD1432-HTC-15RB  |  | 14           | 32                 | 150              | ■     |
| AVD1420-HTC-30R  |  | AVD1420-TC-30B |  | SGD1420-HTC-30RB  |  | 14           | 20                 | 300              | ■     |
| AVD1425-HTC-30R  |  | AVD1425-TC-30B |  | SGD1425-HTC-30RB- |  | 14           | 25                 | 300              | ■     |
| AVD1432-HTC-30R  |  | AVD1432-TC-30B |  | SGD1432-HTC-30RB  |  | 14           | 32                 | 300              | ■     |
| AVD1520-HTC-15R  |  | AVD1520-TC-15B |  | SGD1520-HTC-15RB  |  | 15           | 20                 | 150              | ■     |
| AVD1525-HTC-15R  |  | AVD1525-TC-15B |  | SGD1525-HTC-15RB  |  | 15           | 25                 | 150              | ■     |
| AVD1532-HTC-15R  |  | AVD1532-TC-15B |  | SGD1532-HTC-15RB  |  | 15           | 32                 | 150              | ■     |
| AVD1520-HTC-30R  |  | AVD1520-TC-30B |  | SGD1520-HTC-30RB  |  | 15           | 20                 | 300              | ■     |
| AVD1525-HTC-30R  |  | AVD1525-TC-30B |  | SGD1525-HTC-30RB  |  | 15           | 25                 | 300              | ■     |
| AVD1532-HTC-30R  |  | AVD1532-TC-30B |  | SGD1532-HTC-30RB  |  | 15           | 32                 | 300              | ■     |
| AVD1620-HTC-15R  |  | AVD1620-TC-15B |  | SGD1620-HTC-15RB  |  | 16           | 20                 | 150              | ■     |
| AVD1625-HTC-15R  |  | AVD1625-TC-15B |  | SGD1625-HTC-15RB  |  | 16           | 25                 | 150              | ■     |
| AVD1632-HTC-15R  |  | AVD1632-TC-15B |  | SGD1632-HTC-15RB  |  | 16           | 32                 | 150              | ■     |
| AVD1620-HTC-30R  |  | AVD1620-TC-30B |  | SGD1620-HTC-30RB  |  | 16           | 20                 | 300              | ■     |
| AVD1625-HTC-30R  |  | AVD1625-TC-30B |  | SGD1625-HTC-30RB  |  | 16           | 25                 | 300              | ■     |
| AVD1632-HTC-30R  |  | AVD1632-TC-30B |  | SGD1632-HTC-30RB  |  | 16           | 32                 | 300              | ■     |
| AVD1720-HTC-15R  |  | AVD1720-TC-15B |  | SGD1720-HTC-15RB  |  | 17           | 20                 | 150              | ■     |
| AVD1725-HTC-15R  |  | AVD1725-TC-15B |  | SGD1725-HTC-15RB  |  | 17           | 25                 | 150              | ■     |
| AVD1732-HTC-15R  |  | AVD1732-TC-15B |  | SGD1732-HTC-15RB  |  | 17           | 32                 | 150              | ■     |
| AVD1720-HTC-30R  |  | AVD1720-TC-30B |  | SGD1720-HTC-30RB  |  | 17           | 20                 | 300              | ■     |
| AVD1725-HTC-30R  |  | AVD1725-TC-30B |  | SGD1725-HTC-30RB  |  | 17           | 25                 | 300              | ■     |
| AVD1732-HTC-30R  |  | AVD1732-TC-30B |  | SGD1732-HTC-30RB  |  | 17           | 32                 | 300              | ■     |

\* Needles with turnable wings. Arterial and venous needles are also available with fixed wings instead of turnable wings.

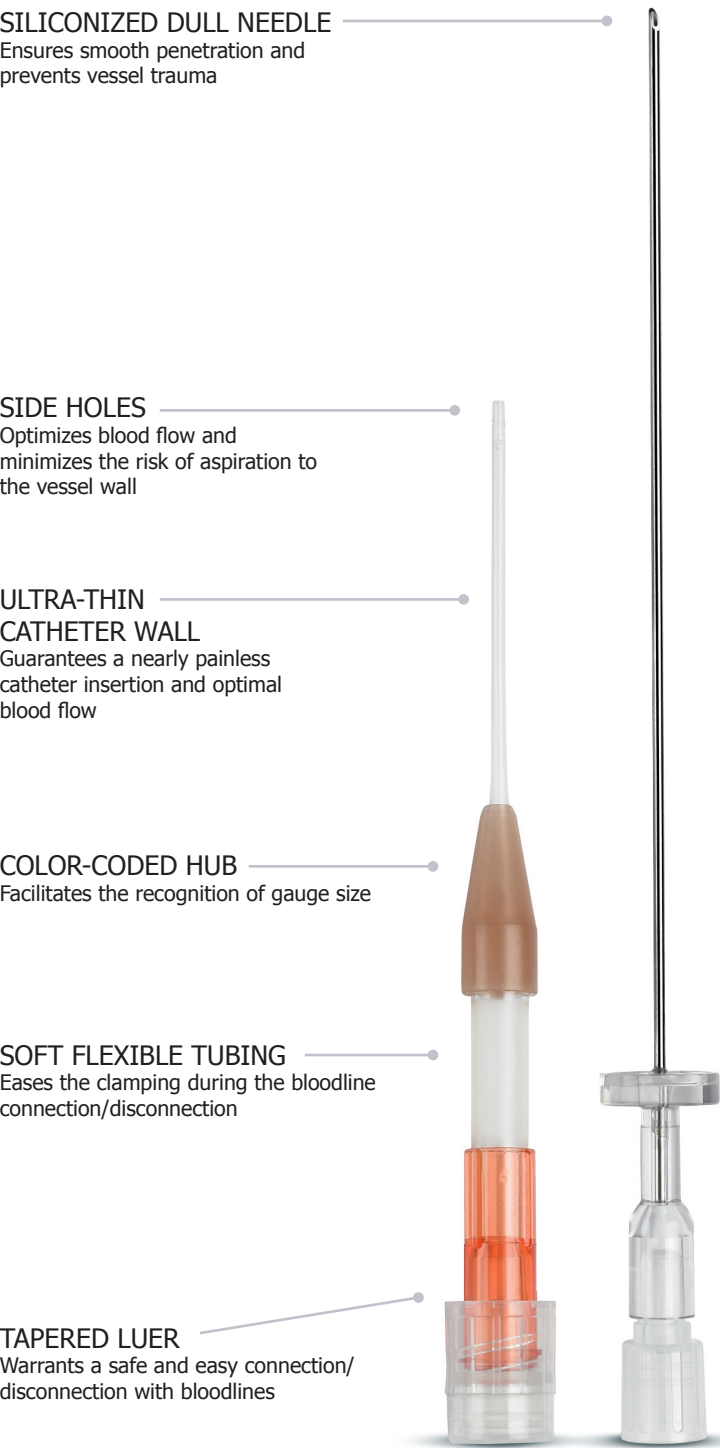


# BIOHOLE™ NEEDLES

- LATEX-FREE
- GAMMA STERILIZATION

## BIOHOLE™ CATHETER NEEDLE

Reduced pain and increased comfort during arteriovenous



### BIOHOLE CATHETER NEEDLE ADVANTAGES

- Plastic fistula needles may prevent vascular access complications
- Safe cannulation during fistula maturation
- Decreased risk of perforation
- Greater patient mobility
- Better option for patients allergic to metal

### SPECIFICATIONS

| Catheter       | Size (Gauge) | Catheter Length (mm) | Color  |
|----------------|--------------|----------------------|--------|
| AV-D-CATH-1425 | 14           | 25                   | Blue   |
| AV-D-CATH-1432 | 14           | 32                   | Blue   |
| AV-D-CATH-1438 | 14           | 38                   | Blue   |
| AV-D-CATH-1525 | 15           | 25                   | Yellow |
| AV-D-CATH-1532 | 15           | 32                   | Yellow |
| AV-D-CATH-1538 | 15           | 38                   | Yellow |
| AV-D-CATH-1625 | 16           | 25                   | Green  |
| AV-D-CATH-1632 | 16           | 32                   | Green  |
| AV-D-CATH-1638 | 16           | 38                   | Green  |
| AV-D-CATH-1725 | 17           | 25                   | Orange |
| AV-D-CATH-1732 | 17           | 32                   | Orange |
| AV-D-CATH-1738 | 17           | 38                   | Orange |

**BIOHOLE CATHETER NEEDLES** form the perfect combination with the BioHole Buttonhole Device and the individual BioHole scab remover

# ACCESSORIES

- DEHP-FREE
- LATEX-FREE
- GAMMA STERILIZATION

## BIOHOLE™ SCAB REMOVER

Safe and easy tool to remove the scab for the buttonhole

The BioHole scab remover is intended to be used with the buttonhole technique to remove the scab formed at the entrance of the tunnel tracks.

### BIOHOLE SCAB REMOVER FEATURES

- Excellent grip
- Included with the BioHole needles or available as a separate unit in an individual sterile package



| Article Code |
|--------------|
| SCAB-REMOVER |

NORDIC  
**MEDCOM**

Nordic Medcom är ett svenskt företag som levererar NxStage Hem-HD och CRRT-system, dialys-produkter för kronisk och akut dialys samt kärlkatetrar till sjukhus i Norden och Baltikum. Vi har en väl utbyggd organisation för produktutveckling, marknadsföring, kundsupport, teknisk service och snabba direktleveranser - till våra kunder.

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