



Harsoria™ FLOW REGULATOR EXTENSION SET

Dial Flow Regulator

- Flow rates from 20 to 250 mL/hr
- Double scale for 10% and 40% solution strengths
- Stable flow rate over time (1-72 hrs)
- Reliable and accurate flow control (+/- 10%)
- Ergonomic dial design with ridges for easy gripping and adjustment

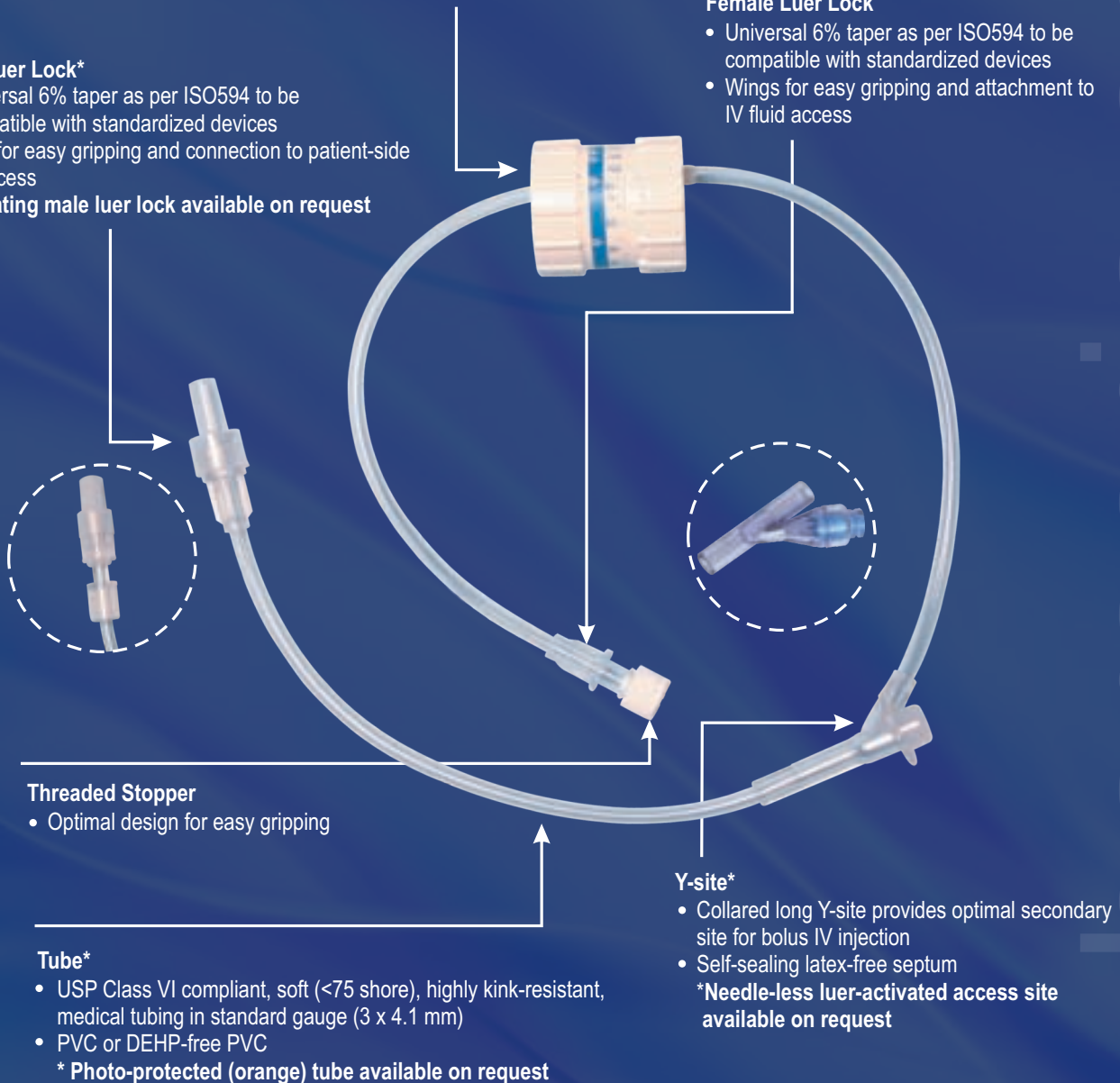
Male Luer Lock*

- Universal 6% taper as per ISO594 to be compatible with standardized devices
- Ribs for easy gripping and connection to patient-side IV access

*Rotating male luer lock available on request

Female Luer Lock

- Universal 6% taper as per ISO594 to be compatible with standardized devices
- Wings for easy gripping and attachment to IV fluid access



PRODUCT BENEFITS

- Can be used with all standard IV sets using luer lock connections
- Precise and reliable control of flow rates (+/- 10%)
- Use of best-quality components conforming to international standards
- Custom configurations available upon request

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Harsoria™ FLOW REGULATOR INFUSION SET

Tube*

- USP Class VI compliant, soft (<75 shore), highly kink-resistant, medical tubing in standard gauge (3 x 4.1 mm)
- PVC or DEHP-free PVC
- * Photo-protected (orange) tube available on request

Male Luer Lock*

- Universal 6% taper as per ISO594 to be compatible with standardized devices
- Ribs for easy gripping and connection to patient-side IV access

* Rotating male luer lock available on request

Y-site

- Collared long Y-site provides optimal secondary site for bolus IV injection
- Self-sealing latex-free septum

* Needle-less luer-activated access site also available on request

Roller clamp*

- Allows secondary mechanism of flow adjustment
- For occlusion of flow when required
- * Pinch-clamp may be used instead

Dial Flow Regulator

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- Double scale for 10% and 40% solution strengths
- Stable flow rate over time (1-72 hrs)
- Reliable & accurate flow control
- Ergonomic dial design with ridges for easy gripping and adjustment

Vented Spike

- 3 micron air vent for pressure equalization with IV fluid container
- High-quality ABS material
- Sharp tip allows easy piercing of fluid container

Drip Chamber*

- Long drip chamber in PVC/DEHP-free material
- In-built 15 micron disk filter for particle filtration from IV fluid
- * 60 drops/mL attachment for pediatric IV sets
- * Photo-protected (orange) drip chamber also available on request

HARSORIA HEALTHCARE PVT. LTD.

110-111, Phase-IV, Udyog Vihar, Gurgaon, Haryana -122 015, INDIA

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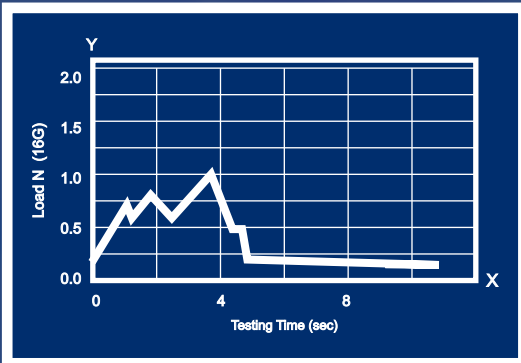
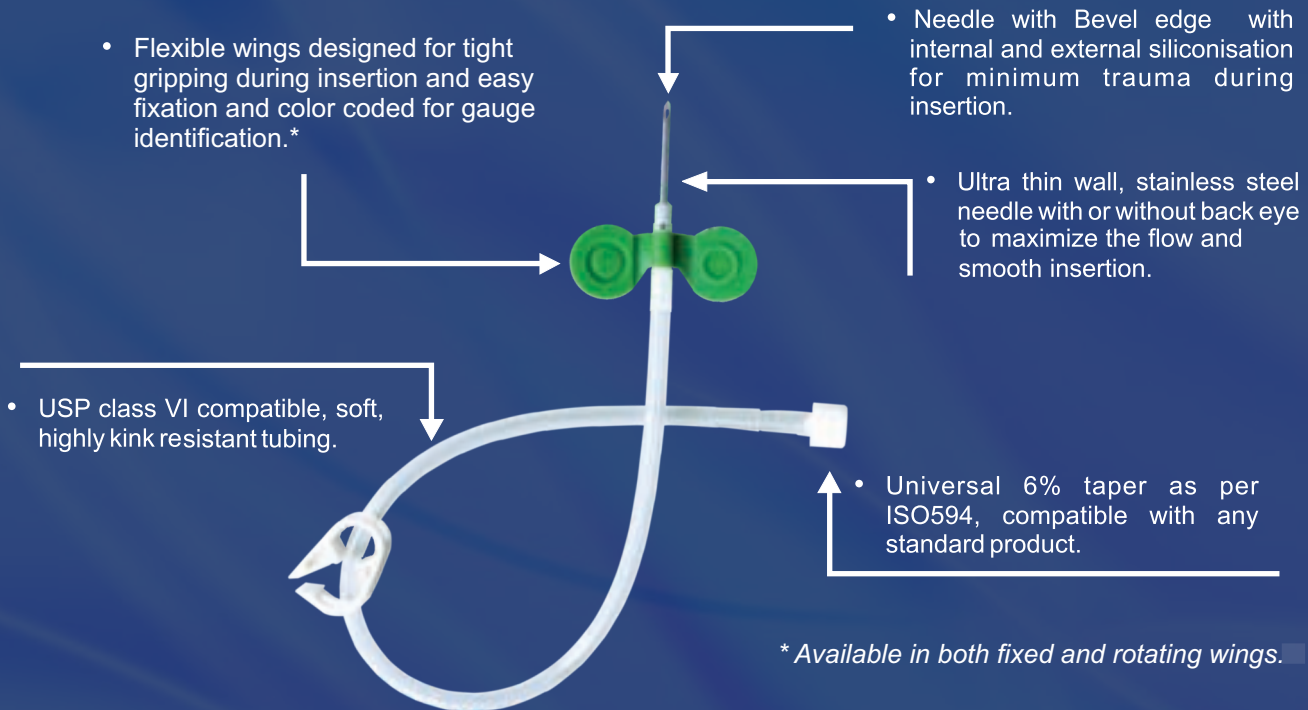
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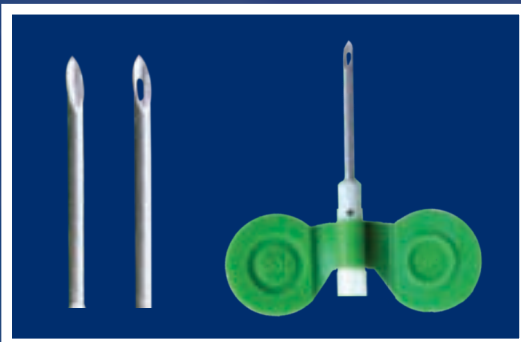


Harsoria™ ARTERIO-VENOUS FISTULA SET



Best-in-class Penetration Performance

- High-quality, ultra-thin walled needles with optimized tip and bevel design
- Automated siliconisation using best-in-class materials
- Comprehensive tests done on advanced penetration testing equipment



With or Without “Back Eye” Cannulae

- Back-eye can be provided to ensure higher flow rate
- SS Cannulae sourced from world - leading Japanese manufacturers
- Rotating wing to enable flipping of needle, with an orientation dot on the hub



Highly Kink Resistant PVC Tubing

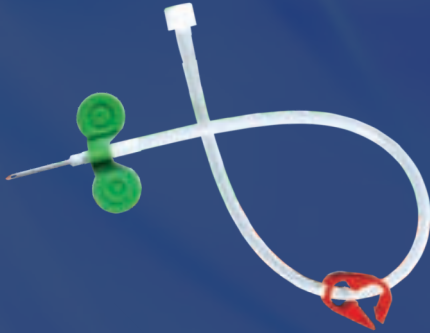
- Effectively prevents any change in needle position even if patient moves
- Equipped with red, blue or white, “C” clamp for controlling flow

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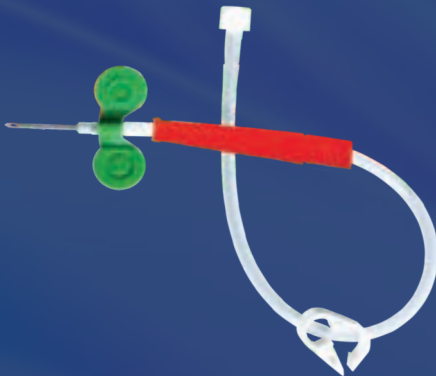
Harsoria™ AVF SET ORDERING INFORMATION

HARSORIA™ AV Fistula Set



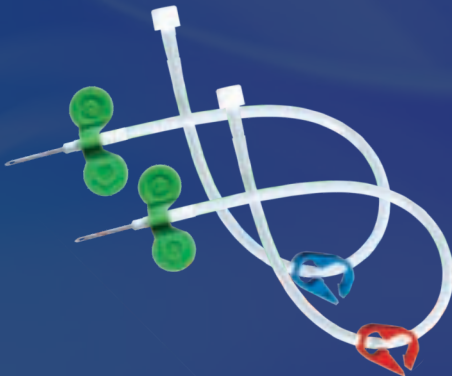
Gauge	Needle		Colour Code	PACKING 500 Units / Box
	Ext. Dia. (mm)	Length (mm)		
14 G	1.97	25/32	Blue	
15 G	1.83	25/32	Orange	
16 G	1.65	25/32	Green	
17 G	1.47	25/32	White	
18 G	1.33	25/32	Pink	

HARSORIA™ Safety AV Fistula Set



Gauge	Needle		Colour Code	PACKING 500 Units / Box
	Ext. Dia. (mm)	Length (mm)		
14 G	1.97	25/32	Blue	
15 G	1.83	25/32	Orange	
16 G	1.65	25/32	Green	
17 G	1.47	25/32	White	
18 G	1.33	25/32	Pink	

HARSORIA™ Twin AV Fistula Set



Gauge	Needle		Colour Code	PACKING 500 Units / Box
	Ext. Dia. (mm)	Length (mm)		
14 G	1.97	25/32	Blue	
15 G	1.83	25/32	Orange	
16 G	1.65	25/32	Green	
17 G	1.47	25/32	White	
18 G	1.33	25/32	Pink	

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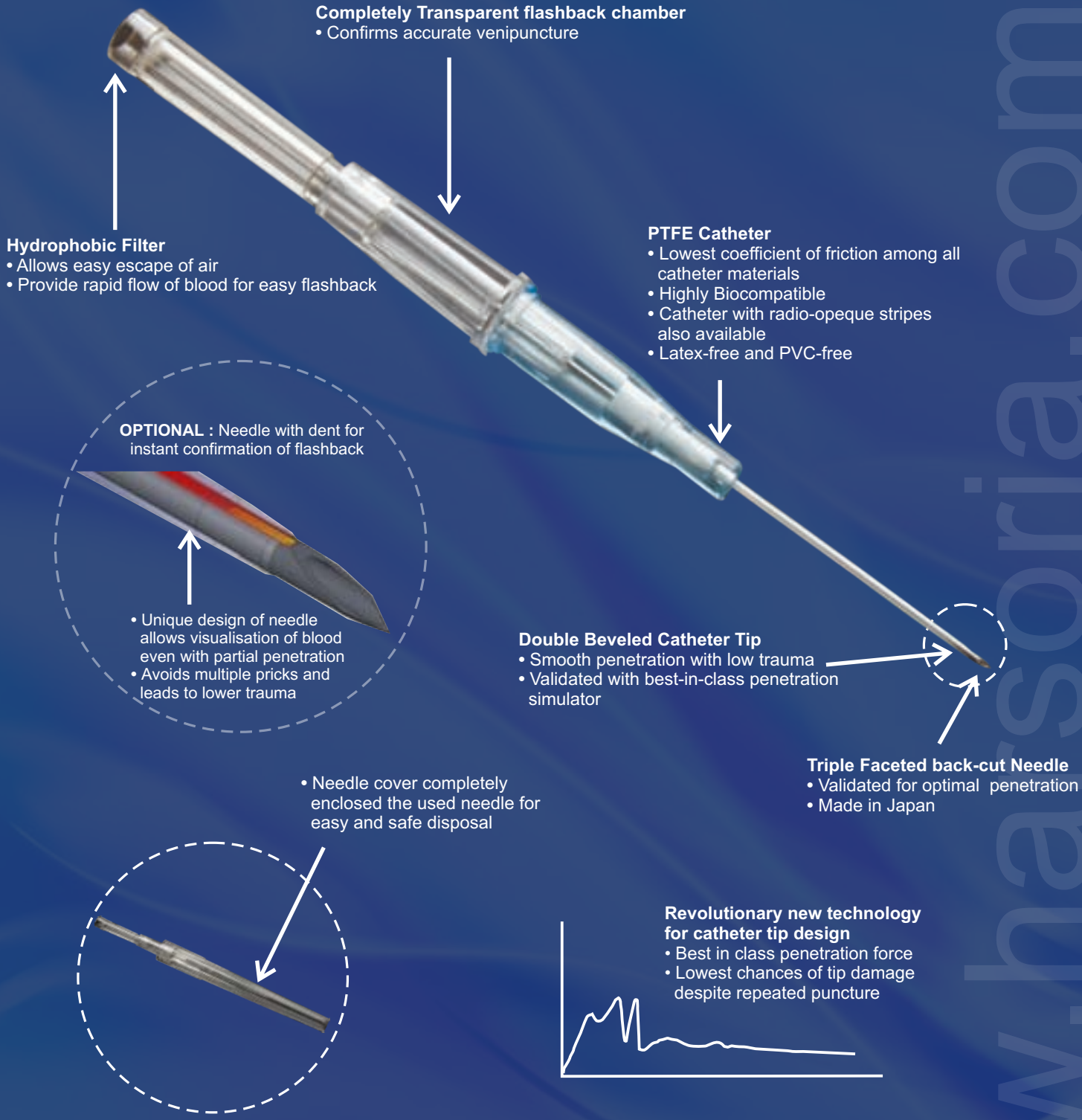
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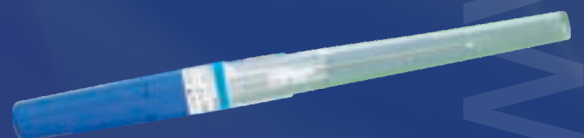
Harsoria™ HEALCATH PLUS™ Pen-Type IV Cannula



AVAILABLE PACKING

Blister Pack

Pen-Type Pack



www.harsoria.com



Harsoria™ IV Cannula with Folding Sutureable Wings

- Wings fold to allow secure fixation to skin with fixation tape
- Suture holes provide option of suturing for further securement

Vented luer lock

- Allows easy escape of air
- Provides rapid flow of blood for easy flashback

Flashback Chamber

- Allows easy visibility of blood

Double Beveled Catheter Tip

- For smooth penetration with minimum pain
- Validated with internationally accepted simulators

Colour coded catheter hub

- As per ISO 10555 Part 5
- Allows easy identification

Injection Stopper provided in same pack

- Provides safe additional port for injection when infusion is stopped
- Prevents infection in catheter
- Universal 6% luer fits all standard products

Triple Facet Ultra-sharp Needle

- Validated for optimum penetration
- Sourced from best-in-class Japanese manufacturers

Folding sutureable wings

- Allows firm holding during penetration, minimise risk of multiple puncture

OPTIONAL : Needle with dent for instant confirmation of flashback

- Unique design of needle allows visualisation of blood even with partial penetration
- Avoids multiple pricks and leads to lower trauma



- Best-in class penetration force
- Lowest chances of tip damage despite repeated puncture

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Harsoria™ HEALFLON™ IV Cannula with Injection Valve and Wings

Flashback Chamber :

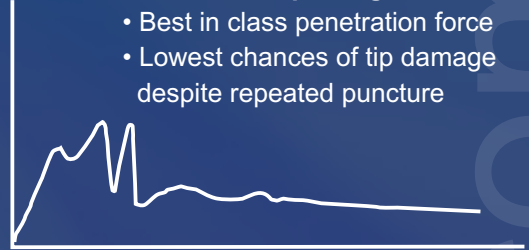
- Transparent flashback chamber for immediate confirmation of venipuncture.

Needle Hub :

- Specially designed thumb stop to prevent any instability during needle insertion.

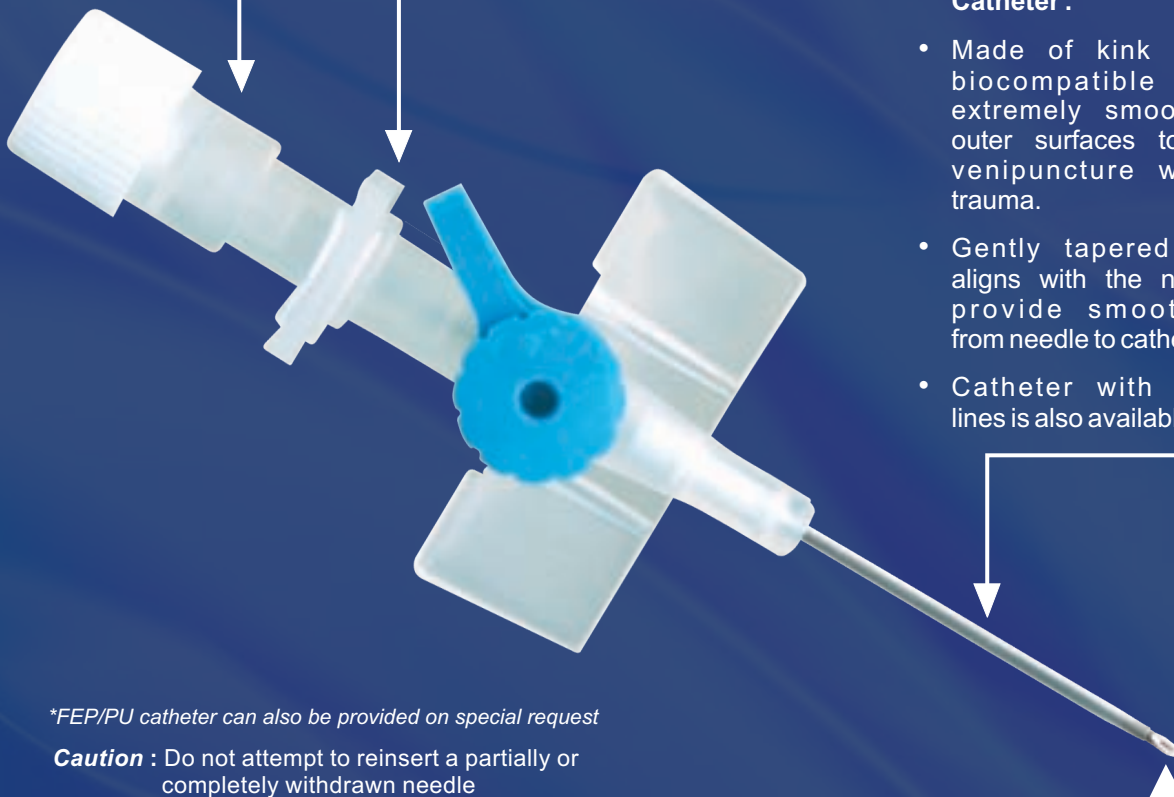
Revolutionary new technology for catheter tip design

- Best in class penetration force
- Lowest chances of tip damage despite repeated puncture



Catheter :

- Made of kink resistant and biocompatible PTFE*, with extremely smooth inner and outer surfaces to ensure easy venipuncture with minimum trauma.
- Gently tapered catheter tip aligns with the needle bevel to provide smooth transition from needle to catheter.
- Catheter with radio-opaque lines is also available.



**FEP/PU catheter can also be provided on special request*

Caution : Do not attempt to reinsert a partially or completely withdrawn needle

Needle :

- Siliconised and ground stainless steel needle with ultra-sharp triple facet bevel for smooth and painless venipuncture.

Packaging :

- Sterile and individually packed in rigid blister with easy to peel sealing.



www.harsoria.com



Harsoria™ IV Cannula with Folding Sutureable Wings

IV Catheter with injection valve and wings



With hydrophobic filter



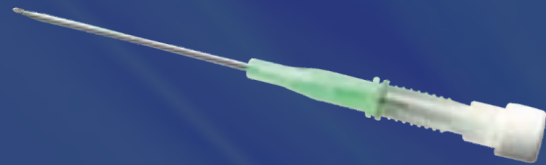
With suture holes



IV Catheter without injection valve and with small wings



IV Catheter without injection valve and without wings



All IV Catheters are available with PTFE as well as PUR as Catheter Material

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Harsoria™ Range of Stop Cock and Stoppers

Harsoria™ Three Way Stop Cock

- Universal 6% taper as per ISO594

- Smooth and jerk free operation with arrow marks to indicate flow of fluids.

- Leak-proof up to 3 bar (43.5 psi)

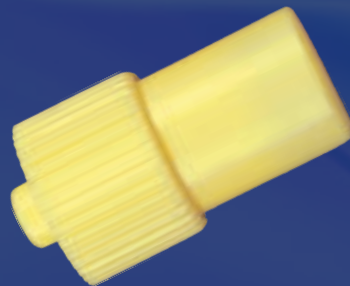


Available in Blue, Red or White Tap and also with Extension Tubing

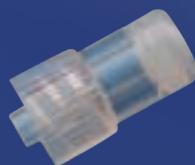
Harsoria™ Injection Stopper

- Latex/latex free plug with leakage free fitting for effective flushing of catheter or drawing of blood samples.

- Universal 6% taper as per ISO594.



- Also available in transparent material



Harsoria™ Combi Luer Lock

- Serrations for convenient handling

- Universal 6% female luer, as per ISO594

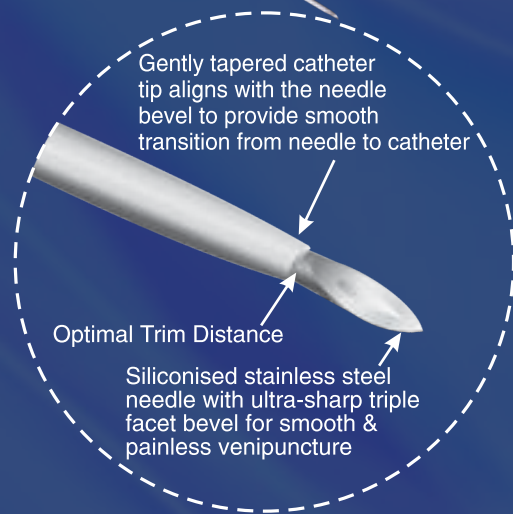
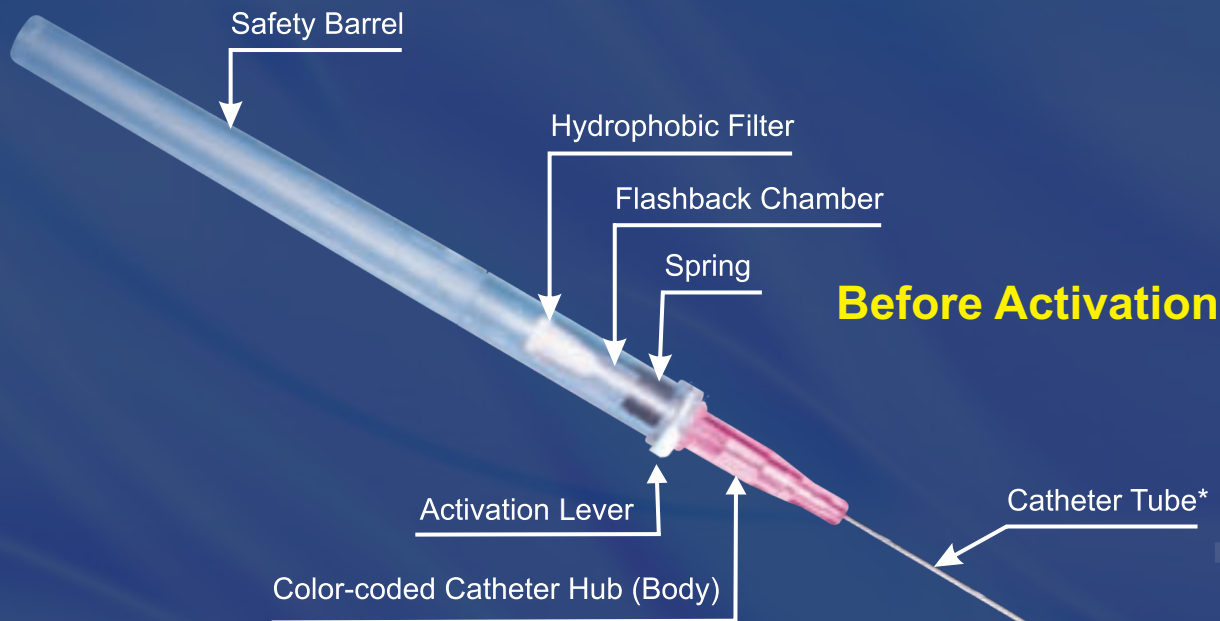
- Universal 6% male luer, as per ISO594



Individually packed in rigid or soft blister.

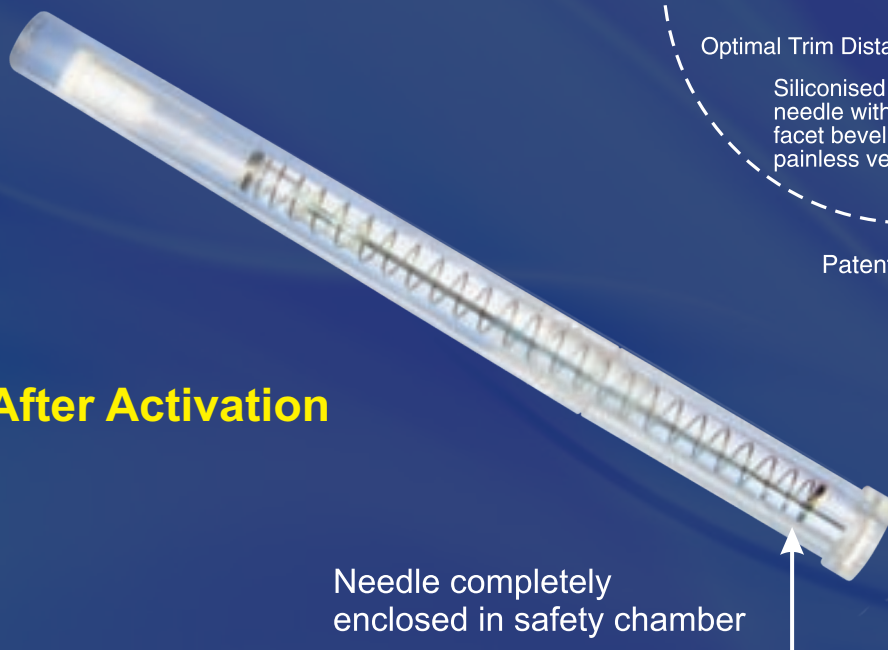


Harsoria™ HEALCATH™ AUTOSAF™ Safety IV Cannula



Patent pending: 960/DEL/2008

After Activation



Available with/without wings, and with/without port.

*Catheter available in PTFE, FEP & PUR material

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