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Q MEDICAL  
INDUSTRIES



CE<sup>1639</sup>  
ISO 13485

**QMI Europe:**

25 rue de Ponthieu, 75008 Paris, France  
Website: [www.qmi-europe.com](http://www.qmi-europe.com)  
Phone No.: 00337444806076

**QMI Dubai:**

Level 30, Anantara Downtown - Business Tower, Business Bay,  
P.O. Box 215268, Dubai, UAE  
Phone No.: 00971562450933

**Q for Plastic Industries:**

Factory Land Plot: 25 & 27, 1st Industrial Zone, Cairo, Egypt  
Free Zone Factory: 35 Fadan Area- Ismailia Free Zone, Egypt  
Scientific Office: 8 El Salamlek st. Garden City, Egypt  
Website: [www.qmedicalindustries.com](http://www.qmedicalindustries.com)

# INFUSION THERAPY

## Product Catalogue

[www.qmedicalindustries.com](http://www.qmedicalindustries.com)

Quality in Care

# Table of Contents

## Administration

- 
- 
- 

## Access

- 
- 
- 

## Site Care

- 
- 
-

# IV Administration Set

- 
- 
- 
- 
- 



# Infusion Therapy

Infusion therapy is a safe and effective way to deliver fluids, medications, and nutrients to the body:

1. It allows for direct and accurate delivery of fluids and medications to the bloodstream
2. It can be used to deliver variety of fluids and medications, including blood, medications, and parenteral nutrition
3. Infusion therapy is suitable for much more efficient treatment of chronic illnesses since it delivers medicine, antibiotics, and/or hydration directly into the bloodstream.

## IV Administration Set

**VITALINE®**

### IV Administration Set Vented 190cm with Check Valve 20010101

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 190cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp - Fixed Male LL with Check Valve for Tube of OD : 4.1mm - Male LL Cap Vented with Air Filter.

### IV Administration Set Vented 190cm 20010102

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 190cm - Drip Chamber Vented with 20 Drop/ml & 15µm Fluid Disk Filter - Safety Roller Clamp - Fixed Male LL for Tube of OD : 4.1mm - Male LL Cap Vented with Air Filter.

### IV Administration Set Vented 180cm 20010103

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Drip Chamber Vented, 20 Drops/ml with 15µm Fluid Disk Filter - Safety Roller Clamp - Fixed Male LL for Tube of OD : 4.1mm - Male LL Cap

### IV Administration Set Vented (R) 180cm 20010104

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Drip Chamber Vented - 20 Drops/ml - with 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm + Rotated Male LL for Tube of OD: 4.1mm - Male LL Cap

### IV Administration Set Vented with Fluid Filter 180cm 20010105

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Filter.

### IV Administration Set Vented with Fluid Filter and Check Valve 180 cm 20010106

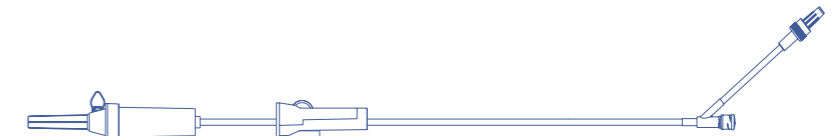
**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL with Check Valve for Tube of OD: 4.1mm - Male LL Cap Vented with Filter.

### IV Administration Set Vented with Y-Injection Port 180 Cm 20010107

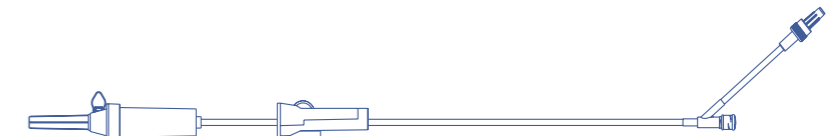
**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Latex Free Y-Injection Port - Fixed Male LL for Tube of OD : 4.1mm - Male LL Cap

### IV Administration Set Vented with Y-Injection Port 150 Cm 20010108

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Latex Free Y-Injection Port - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap

### IV Administration Set Vented (R) 150cm 20010109

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter - Rubber Bulb

### IV Administration Set Vented 150cm 200101010

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops /ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter.

### IV Administration Set Vented 150cm with Dual-Chamber 20010111

**Product Description**

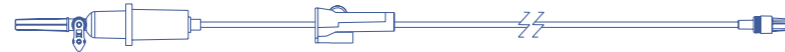


PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Dual Drip Chamber Vented with 20 Drops /ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap

## IV Administration Set Vented Dual Chamber with fluid filter 180 cm

20010112

## Product Description



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Dual Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Filter

## IV Administration Set Vented Dual Chamber with air stop filter and check Valve 180 cm

20010113

## Product Description

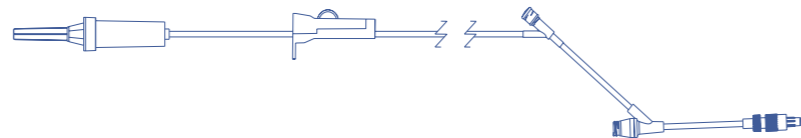


PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Dual Drip Chamber Vented with 20 Drops /ml & Air Stop Filter - Safety Roller Clamp for Tube OD : 4.1mm - Fixed Male LL with Check Valve for Tube of OD: 4.1mm - Male LL Cap Vented with Filter

## IV Administration Set UnVented with Micro-Drip &amp; Needle free Y-Port 211 cm

20010114

## Product Description

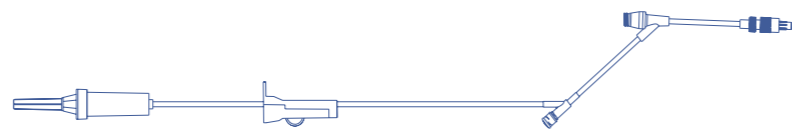


PVC DEHP Free Tube OD: 4.1 mm, ID: 3 mm, L: 211 cm - Drip Chamber UnVented with Micro 60 Drops /ml - Small Bore Roller Clamp for Tube OD: 4.1 mm - Needle Free Y Connector for Tube OD : 4.1 mm - Latex Free Y-Injection Port - Rotated Male LL for Tube of OD : 4.1mm - Male LL Cap

## IV Administration Set UnVented with Needle Free Y Port 211 cm

20010115

## Product Description

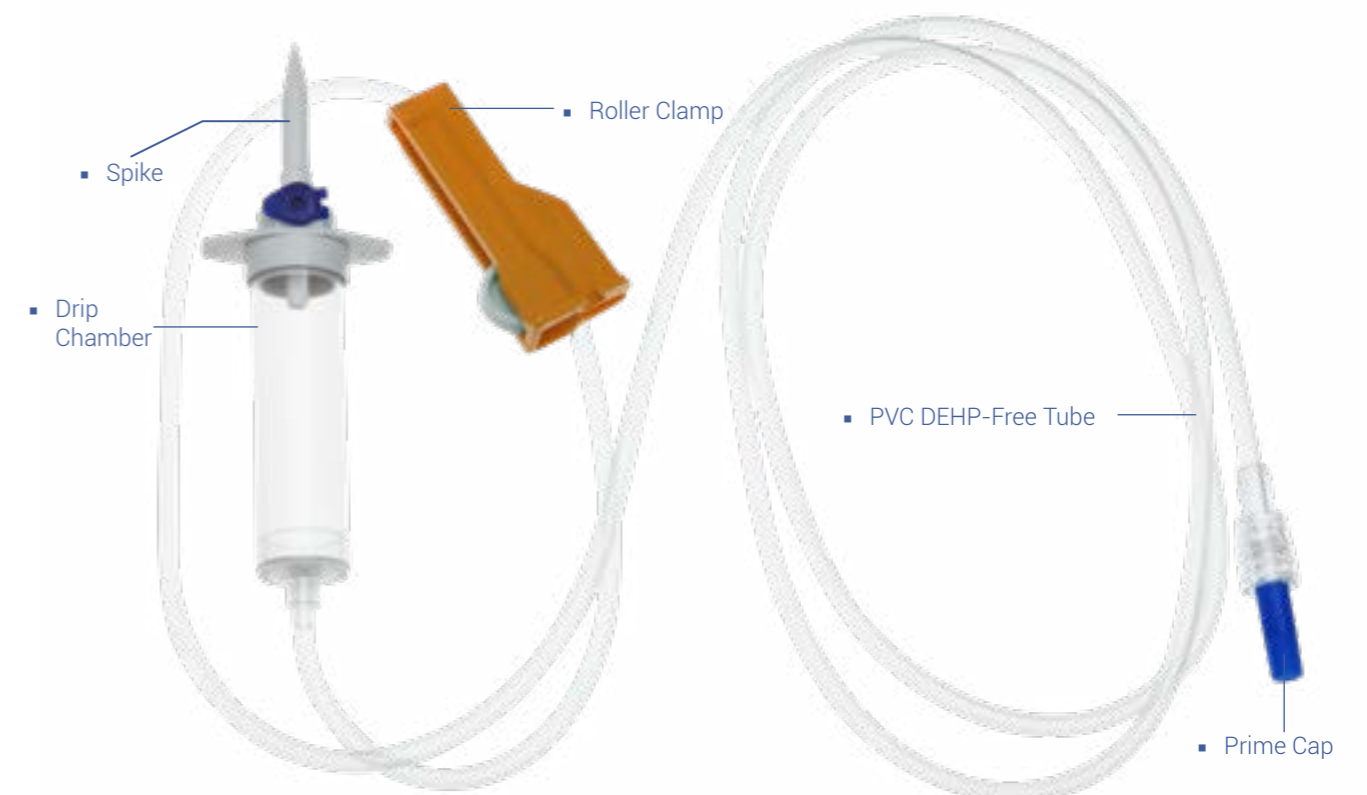


PVC DEHP Free Tube OD: 4.1 mm, ID: 3 mm, L: 211cm - Drip Chamber UnVented with 15 drops/ml - Small Bore Roller Clamp for Tube OD: 4.1 mm - Latex Free Y-Injection Port - Needle Free Y Connector for Tube OD : 4.1 mm - Rotated Male LL for Tube of OD : 4.1mm - Male LL Cap

- An intravenous administration set (IV Set) is a sterile, disposable medical device used to administer fluids, medications, and other substances directly into a patient's vein. IV sets are typically made of plastic and consist of a number of components, including:
- A drip chamber, which allows the healthcare provider to visualize the flow of fluid to inject medications.
- A filter, which removes impurities from the fluid.
- A tubing, which connects the fluid bag to the patients vein.
- A needle or catheter, which is inserted into the patients vein.
- A flow regulator, which allows the healthcare provider to control the rate of fluid flow.

## VitaLine Code List

Description	Code No.
IV Administration Set, Vented 190 cm with Check Valve	20010101
IV Administration Set, Vented 190 cm	20010102
IV Administration Set, Vented 180 cm	20010103
IV Administration Set, Vented-R 180 cm	20010104
IV Administration Set, Vented with Fluid Filter 180 cm	20010105
IV Administration Set, Vented with Fluid Filter and Check Valve 180 cm	20010106
IV Administration Set Vented with Y-Injection Port 180 cm	20010107
IV Administration Set Vented with Y-Injection Port 150 cm	20010108
IV Administration Set, Vented-R 150 cm	20010109
IV Administration Set, Vented 150 cm	20010110
IV Administration Set, Vented 150 cm with Dual Chamber	20010111
IV Administration Set, Vented Dual Chamber with Fluid Filter 180 cm	20010112
IV Administration Set, Vented Dual Chamber with Check Valve 180 cm	20010113
IV Administration Set, Non-Vented with Micro Drip and Needle Free Y-Port 211 cm	20010114
IV Administration Set, Non-Vented with Needle Free Y-Port 211 cm	20010115



**IV Administration Set, Vented with Micro-Regulator and Needle Free Y-Port 150 cm** 20010201



**Product Description**

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 150cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Flow Micro Regulator 5-250 ml/hr - Latex Free Y-Injection Port for Tube OD : 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter

**IV Administration Set, Vented with Micro-Regulator and Needle Free Y-Port 155 cm** 20010202



**Product Description**

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 155cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Flow Micro Regulator 5-250 ml/hr - Latex Free Y-Injection Port for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter

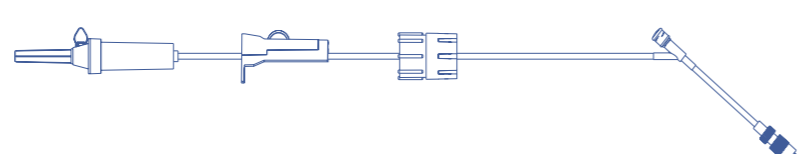
**IV Administration Set with Micro-Regulator and Needle Free Connector 210 cm** 2010203



**Product Description**

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 210cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Pinch Clamp for Tube OD: 4.1mm - Flow Micro Regulator 5-250 ml/hr - Needle Free Y connector for Tube OD : 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap

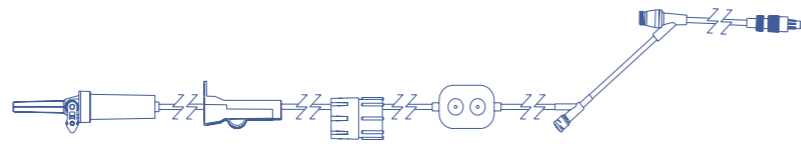
**IV Administration Set Vented with Micro-Regulator 234 cm** 20010204



**Product Description**

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 234cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Small Bore Roller Clamp for Tube OD: 4.1 mm - Rotated Male LL for Tube of OD: 4.1mm - Latex Free Y-Injection Port - Flow Micro Regulator 5-250 ml/hr - Male LL Cap

**IV Administration Set Vented with Micro-Regulator & 0.2µm Filter 246cm** 20010205

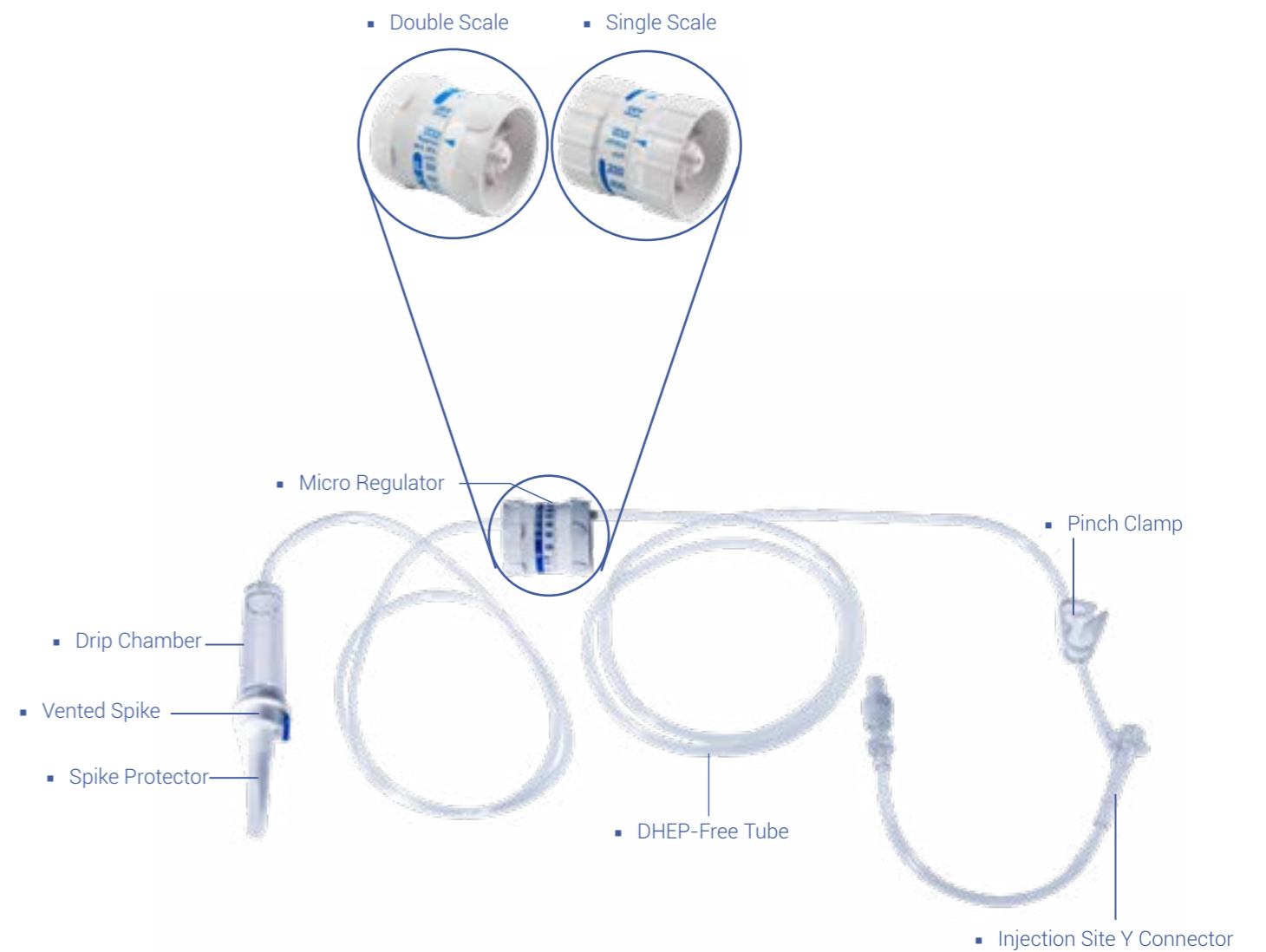


**Product Description**

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 246cm - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Small Bore Roller Clamp for Tube OD: 4.1 mm - Rotated Male LL for Tube of OD: 4.1mm - Needle Free Y Connector for Tube OD: 4.1mm - Latex Free Y-Injection Port - Flow Micro Regulator 5-250 ml/hr - In line filter 0.2µm - Male LL Cap

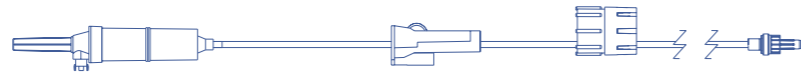
## VitaFlow Code List

Description	Code No.
IV Administration Set, Vented with Micro-Regulator and Needle Free Y-Port 150 cm	20010201
IV Administration Set, Vented with Micro-Regulator and Needle Free Y-Port 155 cm	20010202
IV Administration Set with Micro-Regulator and Needle Free Connector 210 cm	20010203
IV Administration Set, Vented with Micro-Regulator 234 cm	20010204
IV Administration Set, Vented with Micro-Regulator & 0.2 µm Filter 246 cm	20010205



**IV Administration Set Vented with air stop filter, Micro Regulator & Check Valve 180 cm** 20010301

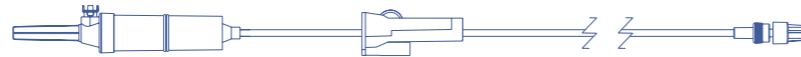
**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Drip Chamber Vented with 20 Drops/ml & Air Stop Filter - Safety Roller Clamp for Tube OD: 4.1mm - Flow Micro-Regulator 5-250ml/hr - Fixed Male LL with Check Valve for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter

**IV Administration Set Vented with air stop filter & Vented Cap 180cm** 20010302

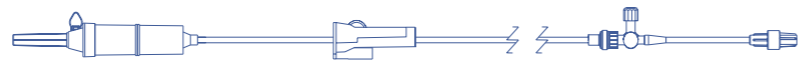
**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Drip Chamber Vented with 20 Drops/ml & Air stop filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter

**IV Administration Set Vented with air stop filter & 3-way stopcock 195cm** 20010303

**Product Description**



PVC DEHP free Tube OD: 4.1mm, ID: 3mm, L: 195cm - Drip Chamber Vented with 20 Drops/ml & Air Stop Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL with Check Valve for Tube of OD: 4.1mm - 3 Way Valve with 2 Female End for Tube - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Air Filter

**IV Administration Set Vented Dual Chamber with air stop filter 180cm** 20010304

**Product Description**



PVC DEHP free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Dual Drip Chamber Vented with 20 Drops/ml & Air Stop Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Filter

**IV Administration Set Vented Dual Chamber with fluid filter and check valve 180cm** 20010305

**Product Description**



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Dual Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL with Check Valve for Tube of OD: 4.1mm - Male LL Cap Vented with Filter

**IV Administration Set Vented with air stop filter and Check Valve 180cm** 20010306

**Product Description**

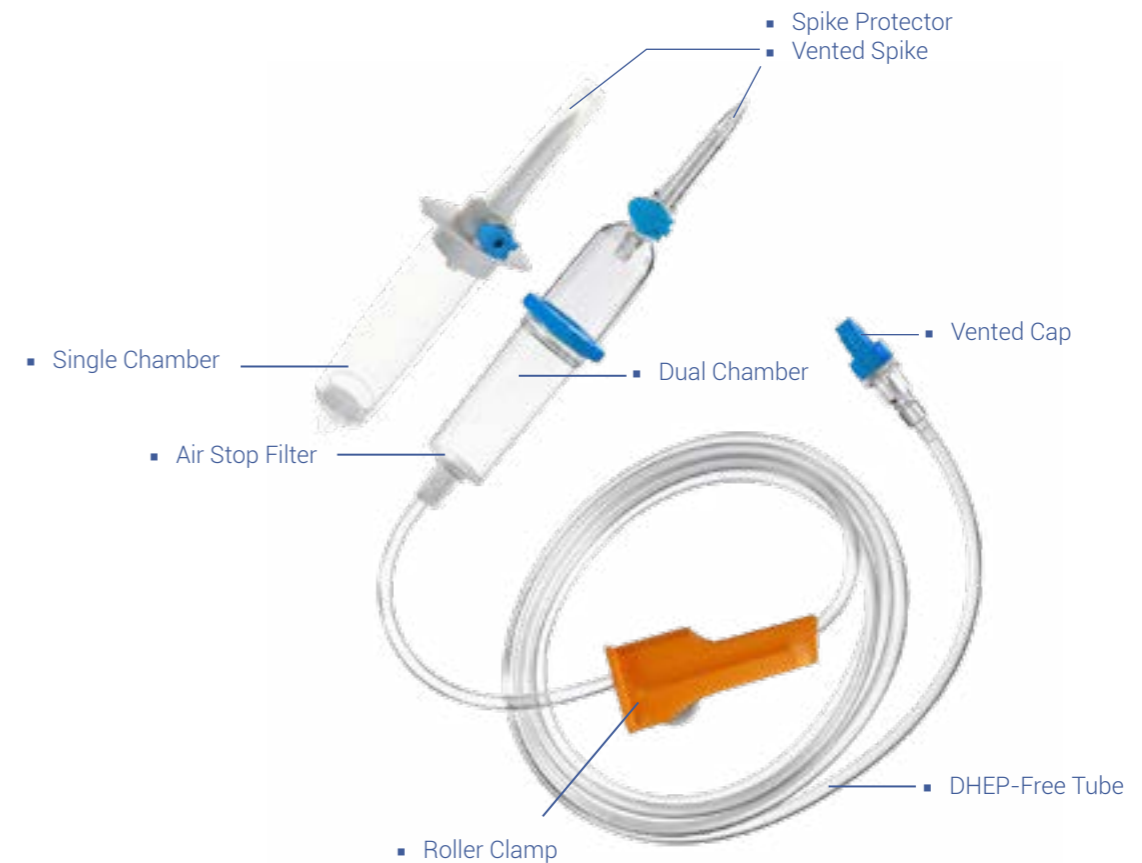


PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 180cm - Dual Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Male LL with Check Valve for Tube of OD: 4.1mm - Male LL Cap Vented with Filter

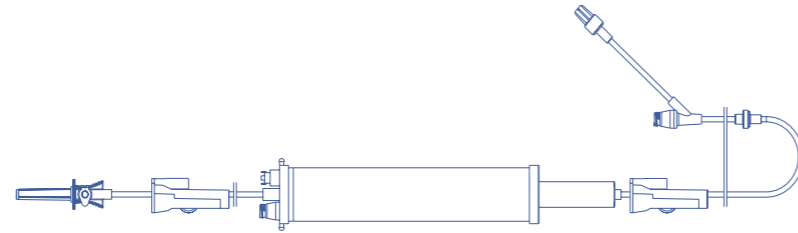
**VitaSafe Code List**

Description	Code No.
IV Administration Set, Vented with Air Stop Filter, Micro Regulator and Check Valve 180 cm	20010301
IV Administration Set, Vented with Air Stop Filter and Vented Cap 180 cm	20010302
IV Administration Set, Vented with Air Stop Filter and 3-way Stopcock 195 cm	20010303
IV Administration Set, Vented Dual Chamber with Air Stop Filter 180 cm	20010304
IV Administration Set, Vented Dual Chamber with Fluid Filter and Check Valve 180 cm	20010305
IV Administration Set, Vented with Air Stop Filter and Check Valve 180 cm	20010306

- Air embolism is one of such complications which may cause death of patients in some cases. Air embolism, also called a gas embolism, occurs when one or more air bubbles enter a vein or artery and block it. This is a serious condition.
- When an air bubble enters a vein, it's called a venous air embolism. When an air bubble enters an artery, it's called an arterial air embolism. These air bubbles can travel to brain, heart, or lungs and cause a heart attack, stroke, or respiratory failure.
- Therefore, according to healthcare market development, air stop filter infusion therapy is provided, which prevents air bubbles from entering the patient's venous system via the infusion line and blocks the fluid flow to protect entrance of the air bubble into the human body.



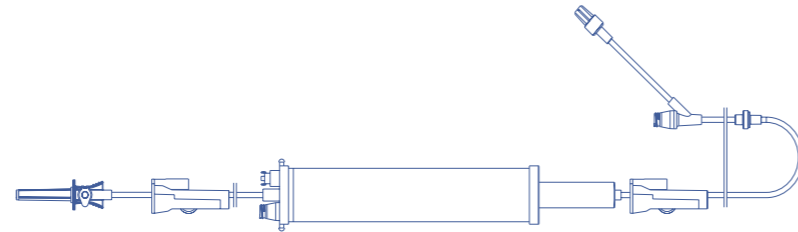
**IV Administration Micro-Drip Burette Set with Needle Free, Back Check Valve & Vented Cap 225cm** 20010401



**Product Description**

Burette Chamber 150ml Vented with Micro Drip 60 Drops/ml & Needle Free Connector - Vented Spike - Safety Roller Clamp for Tube OD: 4.1mm - PVC DEHP Free Tube - Needle Free Y Connector for Tube OD: 4.1 mm - In-Line Check Valve - Fixed Male LL for Tube OD : 4.1 mm - Male LL Cap Vented with Air Filter

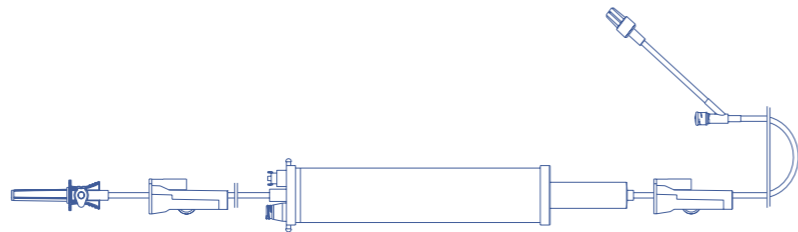
**IV Administration Burette Set with Needle Free, Back Check Valve & Vented Cap 225cm** 20010402



**Product Description**

Burette Chamber 150ml Vented with 20 Drops/ml & Needle Free Connector - Vented Spike - Safety Roller Clamp for Tube OD: 4.1mm - PVC DEHP Free Tube - Needle Free Y Connector for Tube OD: 4.1mm - In-Line Check Valve - Fixed Male LL for Tube OD: 4.1 mm - Male LL Cap Vented with Air Filter

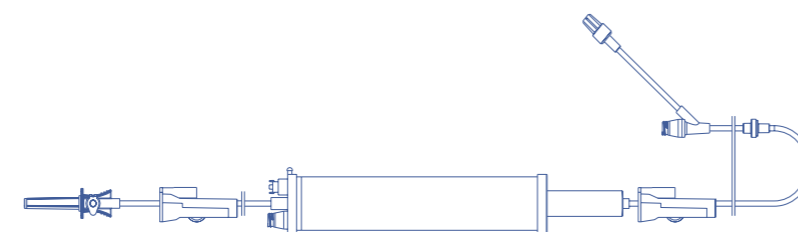
**IV Administration Micro-Drip Burette Set with Air Stop, Y-Injection Port & Vented Cap 225cm** 20010403



**Product Description**

Burette Chamber 150ml Vented with Micro Drip 60 Drops/ml & Silicone Injection Port - Vented Spike - Safety Roller Clamp for Tube OD: 4.1mm - PVC DEHP Free Tube - Latex Free Y Connector for Tube OD: 4.1mm - Fixed Male LL for Tube OD: 4.1mm - Male LL Cap Vented with Air Filter

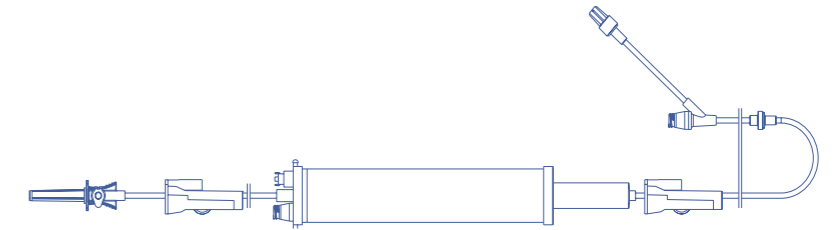
**IV Administration Micro-Drip Burette Set with Air Stop, Needle Free & Vented Cap 225cm** 20010404



**Product Description**

Burette Chamber 150ml Vented with Micro Drip 60 Drops/ml, Air Stop Filter & Needle Free Connector - Vented Spike - Safety Roller Clamp for Tube OD: 4.1mm - PVC DEHP Free Tube - Needle Free Y Connector for Tube OD: 4.1mm - In-Line Check Valve - Fixed Male LL for Tube OD: 4.1mm - Male LL Cap Vented with Air Filter

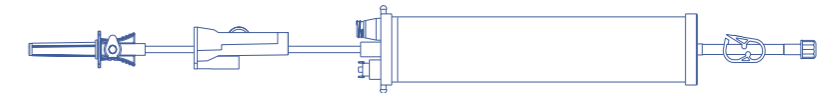
**IV Administration Burette Set with Air Stop , Needle Free & Vented Cap 225cm** 20010405



**Product Description**

Burette Chamber 150ml Vented with 20 Drops/ml, Air Stop Filter & Needle Free Connector for Tube OD: 4.1 mm - Vented Spike - Safety Roller Clamp for Tube OD: 4.1mm - PVC DEHP Free Tube - Male LL Cap Vented with Air Filter - Needle Free Y Connector for Tube OD: 4.1mm - In-Line Check Valve - Fixed Male LL for Tube OD: 4.1 mm

**IV Administration Burette Set with Needle Free Port 50cm** 20010406

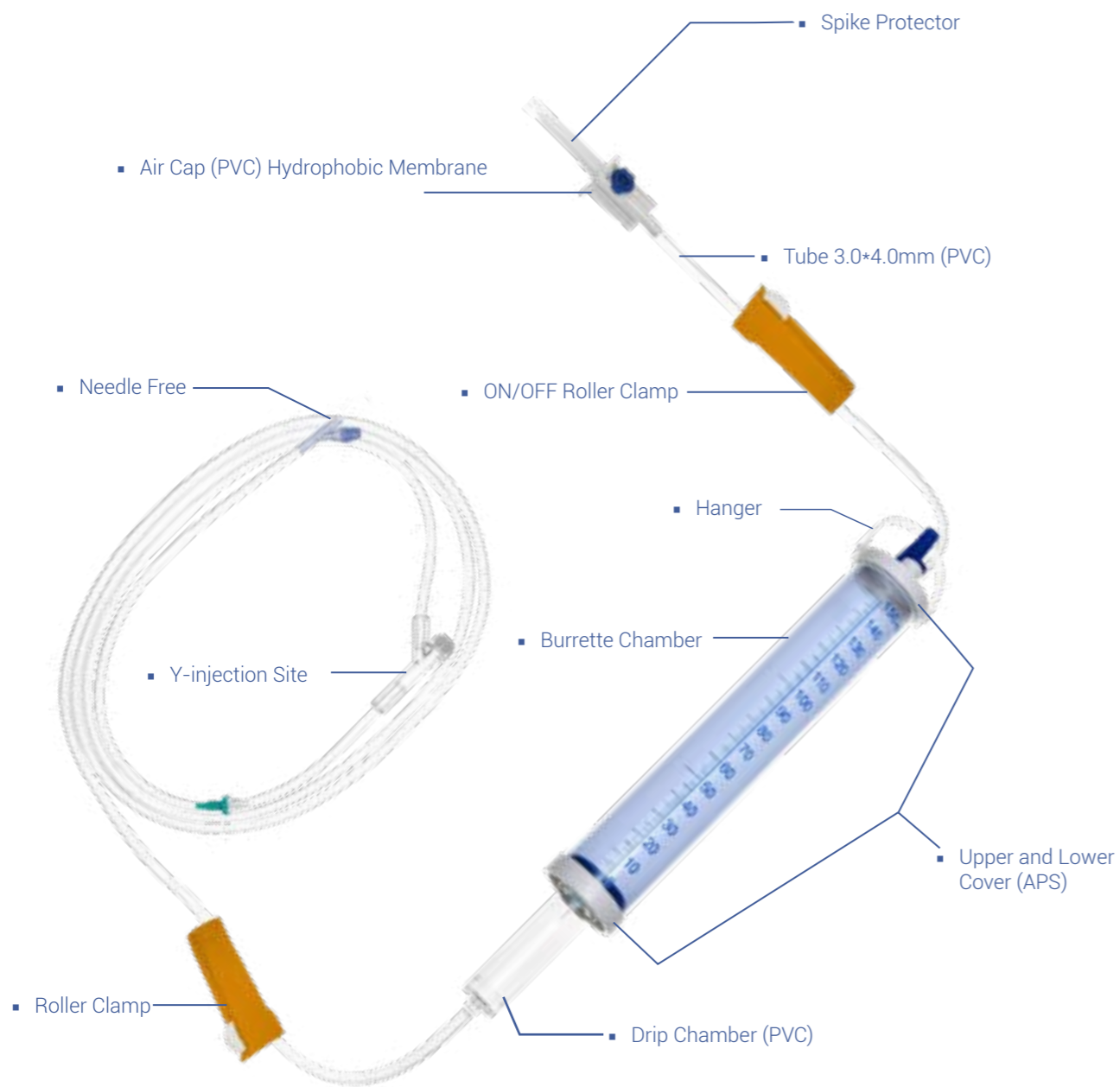


**Product Description**

Burette chamber 150ml Vented with Needle free connector for Tube OD: 4.1mm - Vented spike - Safety roller clamp for Tube OD: 4.1mm - PVC DEHP free Tube - Male LL Cap - Fixed male LL for Tube OD : 4.1 mm - Pinch clamp - Male LL Cap

## VitaDose Code List

Description	Code No.
IV Administration Micro-Drip Burette Set with Needle Free, Back Check Valve and Vented Cap 225 cm	20010401
IV Administration Burette Set with Needle Free, Back Check Valve and Vented Cap 225 cm	20010402
IV Administration Micro-Drip Burette Set with Y-Injection Port and Vented Cap 225 cm	20010403
IV Administration Micro-Drip Burette Set with Air Stop Filter, Needle Free and Vented Cap 225 cm	20010404
IV Administration Burette Set with Air Stop Filter, Needle Free and Vented Cap 225 cm	20010405
IV Administration Burette Set with Needle Free Port 50 cm	20010406



## SPECIAL SETS

Vitapur Administration Set, Vented 0.2 µm Filter 234 cm

20010501

### Product Description

PVC DEHP Free Tube - Drip Chamber Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Small Bore Roller Clamp for Tube OD: 4.1 mm - In-Line Filter 0.2µm for Tube of OD: 4.1mm - Latex Free Y-Injection Port - Rotated Male LL for Tube of OD: 4.1mm

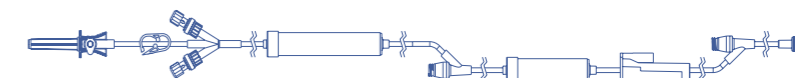


Cytopro 3 Port with Check Valve 3 Port

20010601

### Product Description

Drip Chamber for Tube 4.1mm, Length: 154 mm & 15µm Filter - Vented Spike with Air Filter for Tube OD: 4.1mm with Cap - Triple Connector 2 Female Luer Locks with Tubing Connector OD: 4.1 mm - Check Valve Male to Female Connector - Male LL Cap Vented with Filter - Fixed Male LL for Tube OD: 4.1mm - Safety Roller Clamp - Needle Free Y Connector - Pinch Clamp

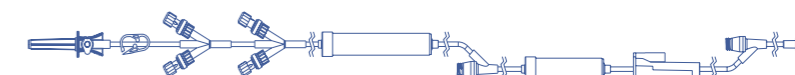


Cytopro 3 Port with Check Valve 5 Port

20010602

### Product Description

Drip Chamber for Tube 4.1mm, Length: 154mm & 15µm Filter - Vented Spike with Air Filter for Tube OD: 4.1mm with Cap - Triple Connector 2 Female Luer Locks with Tubing Connector OD: 4.1 mm - Check Valve Male to Female Connector - Male LL Cap Vented with Filter - Fixed Male LL for Tube OD: 4.1mm - Safety Roller Clamp - Needle Free Y Connector - Pinch Clamp

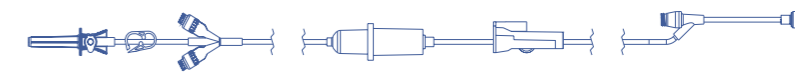


Cytopro 3 Port with Needle Free 3 Port

20010603

### Product Description

Vented Spike with Air Filter for Tube OD: 4.1mm with Cap - Triple Connector 2 Female Luer Locks with Tubing Connector OD: 4.1 mm - Needle Free Male to Female Connector - Male LL Cap Vented with Filter - Male LL with Check Valve - Safety Roller Clamp - Needle Free Y Connector - 15µm Filter in the Drip Chamber - Pinch Clamp

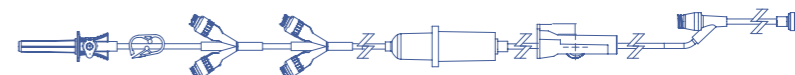


Cytopro 3 Port with Needle Free 5 Port

20010604

### Product Description

Vented Spike with Air Filter for Tube OD: 4.1mm with Cap - Triple Connector 2 Female Luer Locks with Tubing Connector OD: 4.1mm - Needle Free Male to Female Connector - Male LL Cap Vented with Filter - Male LL with Check Valve - Safety Roller Clamp - Needle Free Y Connector - 15µm Filter in the Drip Chamber - Pinch Clamp



## Special Sets Code List

Description	Code No.
Vitapur Administration Set, Vented 0.2 µm Filter 234 cm	20010501
Cytopro 3 Port with Check Valve 3 Port	20010601
Cytopro 3 Port with Check Valve 5 Port	20010602
Cytopro 3 Port with Needle Free 3 Port	20010603
Cytopro 3 Port with Needle Free 5 Port	20010604

### Note



Needle free connectors are devices that allow the safe administration of fluids and medications without the use of needle. It has different types; Positive, Negative & Neutral:














1. **Negative Needle Free Port:** Has negative displacement when something is connected or disconnected or when an administration set is connected. In that case, the blood is allowed to move back or reflux into the catheter's lumen.



2. **Positive Needle Free Port:** Has positive displacement, it keeps a reservoir of fluid that will occupy the catheter's lumen when an IV set or syringe is disconnected. In this case, blood is not allowed to move back or reflux into the catheter's lumen.

3. **Neutral Needle Free Port:** Neutral displacement prevents the blood from occupying the catheter's lumen when a connection or disconnection is made.

## features and benefits

Photos	Features	Benefits
	Auto air stop filter	Prevents air from entering the patient's bloodstream, It protects patients from air embolism
	Priming filter	Prevents infection, wastage of intravenous fluid, and admixed medications
	Soft Chamber	Acts as a pump which helps negative pressure for fluids flow
	Uniquely designed ring around the drip chamber	Provides secure gripping
	DEHP-free double drip chamber	Allows easy and fast priming
	DEHP-free tubing	Reduces toxicity
	"Y" injection port (latex free)	Allows intermittent medications, prevent latex allergy
	Standard Tube length of 150 cm.	Allows greater flexibility and leeway
	Safety Roller Clamp	Compresses Tube without disfigurement
	Check Valve	To avoid the drag back flow It helps two drugs can put together
	Burette Chamber	To ensure that patients receive the correct amount of fluid and that air does not enter their bloodstream

# Extension Sets



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# Extension Sets

- Extension lines are used to extend the length of an IV administration set or other medical tubing. They consist of a length of tubing with a connector or injection port at each end that allows for the connection of multiple devices or extension of existing medical tubing.
- Extension lines are important medical devices which allow deliver of medical treatment safely and efficiently.
- When used appropriately and with proper care, extension lines are a safe and effective means of extending medical tubing and connecting multiple devices for the administration of intravenous therapy, monitoring of vital signs, or other medical purposes.
- Extension lines come in various lengths and sizes.

## Extension Lines Standard (Heidelberger Type)

### IV Extension Line 20020101



Code	Length
20020101	3 mm x 200 cm
20020102	3mm x 150 cm
20020103	3mm x 300 cm

#### Product Description

PVC DEHP Free Tube OD: 3mm, ID: 1mm - Female LL Cap PVC DEHP Free Tube OD: 4.1mm, ID: 3m - Fixed Female LL & Cap - Fixed Male LL with Check Valve for Tube of OD: 4.1 mm - Male LL Cap

### IV Extension Line Standard Set 4.1 mm x 25 cm 20020104



Code	Length
20020104	4.1 mm x 25 cm
20020105	4.1 mm x 40 cm
20020106	4.1 mm x 60 cm
20020107	4.1 mm x 100 cm
20020108	4.1 mm x 120 cm
20020109	4.1 mm x 150 cm

#### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm - Fixed Female LL for Tube of OD : 4.1 mm - Fixed Male LL for Tube of OD : 4.1 mm - Male LL Vented Cap - Female LL Cap

## Heidelberger Type Code List

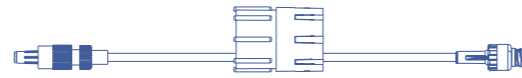
Description	Code No.
IV Extension Set 3mmx200cm	20020101
IV Extension Set 3mmx150cm	20020102
IV Extension Set 3mmx300cm	20020103
IV Extension Line Standard Set 4.1mmx25cm	20020104
IV Extension Line Standard Set 4.1mmx40cm	20020105
IV Extension Line Standard Set 4.1mmx60cm	20020106
IV Extension Line Standard Set 4.1mmx100cm	20020107
IV Extension Line Standard Set 4.1mmx120cm	20020108
IV Extension Line Standard Set 4.1mmx150cm	20020109



# FLOWMATE<sup>®</sup> with Flow Regulators

## Extension Line with Micro-Regulator and Needle Free Connector (45cm) 20020201

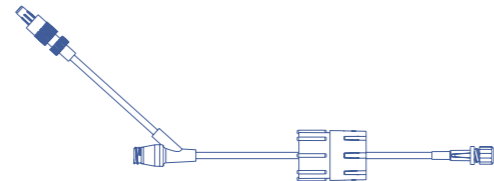
### Product Description



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 45cm - Flow Micro-Regulator 5-250ml/hr - Fixed Female LL for Tube of OD: 4.1 mm - Needle free connector - Male LL Cap - Rotated male LL & Cap

## Extension Line with Micro-Regulator and Y-Injection Port (45cm) 20020202

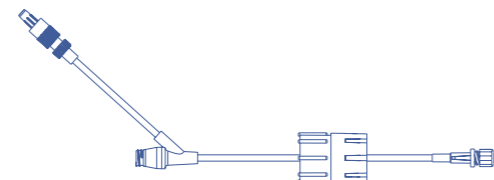
### Product Description



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 45cm - Flow Micro-Regulator (5-250ml/hr) - Latex Free Y-Injection Port - Male LL Double Vented with 20 Drops/ml & 15µm Fluid Disk Filter - Fixed Female LL for Tube of OD: 4.1mm - Female LL Cap - Male LL Cap

## Extension Set with Micro-Regulator and Y-Needle Free Connector (45cm) 20020203

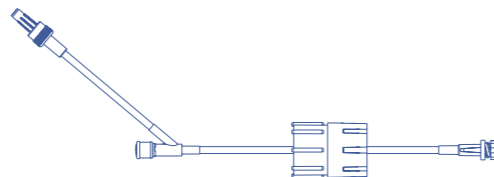
### Product Description



PVC DEHP Free Tube - Flow Micro-Regulator 5-250ml/hr - Latex Free Y-Injection Port - Rotated Male LL for Tube of OD: 4.1mm - Needle Free Connector - Fixed Female LL for Tube of OD: 4.1mm - Female LL Cap - Male LL Cap

## Extension Line (55cm) 20020204

### Product Description



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 55cm - Flow Micro-Regulator 5-250ml/hr - Latex Free Y-Injection Port - Fixed Female LL for Tube of OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Female LL Cap - Male LL Cap

## Extension Line



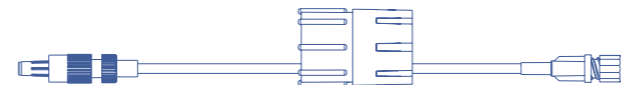
### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm - Safety Roller Clamp for Tube OD: 4.1mm - Fixed Female LL for Tube of OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1mm - Female LL Cap - Male LL Cap

Code	Length
20020205	140 cm
20020206	75 cm

## Extension Line with Micro-Regulator (45cm) 20020207

### Product Description



PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 45cm - Flow Micro-Regulator 5-250ml/hr - Fixed Female LL for Tube of OD: 4.1mm -Female LL Cap - Male LL Cap

# FlowMate Type Code List

Description	Code No.
Extension Set with Micro-Regulator and Needle Free Connector 45 cm	20020201
Extension Set with Micro-Regulator and Y-Injection Port 45 cm	20020202
Extension Set with Micro-Regulator and Y-Needle Free Connector 45 cm	20020203
Extension Line 55 cm	20020204
Extension Line 140 cm	20020205
Extension Line 75 cm	20020206
Extension Set with Micro-Regulator 45 cm	20020207



# VITAPUR<sup>®</sup> with Filter

## IV Infusion Filter 0.2µm Simple

20020301

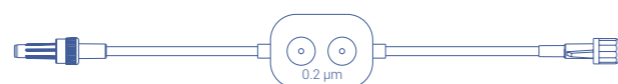


### Product Description

PVC DEHP Free Tube - In-line filter 0.2 µm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap - Fixed Female LL for Tube of OD: 4.1mm - Female LL Cap

## IV Infusion Filter 0.2µm

20020302



### Product Description

PVC DEHP Free Tube - In-line filter 0.2 µm - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap - Fixed Female LL for Tube of OD: 4.1mm - Female LL Cap

## IV Infusion Filter 1.2µm Light Proof

20020303



### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L: 5cm - Fixed Male LL with Check Valve for Tube of OD : 4.1mm - In line Filter 1.2µm - For Tube of OD: 4.1mm , ID: 3mm - Fixed Male LL for Tube of OD : 4.1mm - PVC DEHP Free Tube OD: 4.1mm - ID: 3mm - L: 15cm

## VitaPur Type Code List

Description	Code No.
IV Infusion Filter 0.2µm Simple	20020301
IV Infusion Filter 0.2µm	20020302
IV Infusion Filter 1.2µm Light Proof	20020303



# FLOWGUARD<sup>®</sup> with Needle Free Connector

## FlowGuard Extension Line with Needle Free Port 20cm

20020401

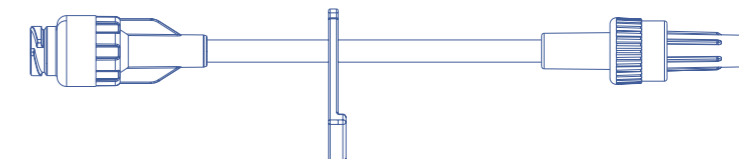


### Product Description

PVC DEHP Free Tube - Pinch Clamp for Tube OD: 4.1mm - Fixed Female LL for Tube of OD: 4.1mm - Fixed Male LL for Tube of OD: 4.1 - L: 20cm - Needle Free Connector - Male LL Cap

## FlowGuard Extension Line with Needle Free Port 20cm

20020402

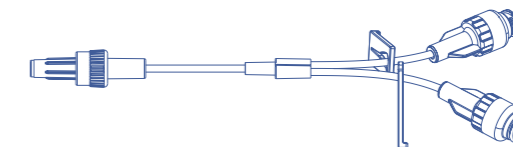


### Product Description

PVC DEHP Free Tube OD: 2mm, ID: 1mm, L: 10cm - Slide Clamp - Fixed Male LL for Tube of OD: 2 mm - Needle Free Connector - Male LL Cap

## Smallbore Y-Extension Set with Needle Free Standard

20020403

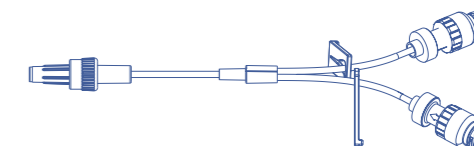


### Product Description

PVC DEHP Free Tube OD: 2 mm, ID: 1 mm - Slide Clamp for Tube OD: 22mm to OD: 4.1mm - Fixed Male LL for Tube of OD : 2mm - Male LL Cap Vented with Filter - Needle Free Neutral Connector - Y Parallel Connector

## Smallbore Y-Extension Set with Needle Free Standard and Check Valve

20020404

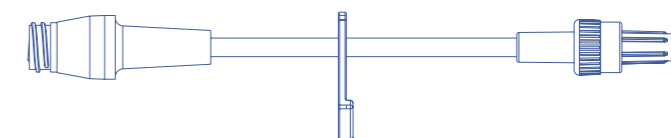


### Product Description

PVC DEHP Free Tube OD: 2 mm, ID: 1 mm - Slide Clamp for Tube OD: 22mm to OD: 4.1mm - Fixed Male LL for Tube of OD: 2mm - Male LL Cap Vented with Filter - Needle Free Neutral Connector - Y Parallel Connector - Check Valve Female LL

## Smallbore Extension Set with Needle Free Positive

20020405

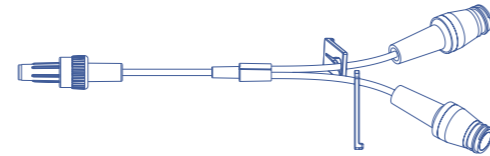


### Product Description

PVC DEHP Free Tube - Slide Clamp for Tube OD : 4.1mm - Fixed Male LL for Tube of OD : 4.1mm, L: 10cm - Male LL Cap Vented with Filter - Needle Free Y Connector

## Smallbore Extension Set with 2 Needle Free Positive

20020406

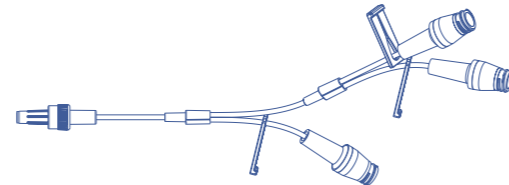


## Product Description

PVC DEHP Free Tube OD: 2mm, ID: 1mm - Slide Clamp for Tube OD: 22mm to OD: 4.1mm - Fixed Male LL for Tube of OD: 2mm - Male LL Cap Vented with Filter - Needle Free Positive connector - Y Parallel Connector

## Smallbore Extension Set with 3 Needle Free Positive

20020407

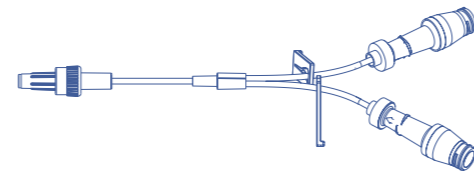


## Product Description

PVC DEHP Free Tube OD: 2mm, ID: 1mm - Slide Clamp for Tube OD: 22mm to OD: 4.1mm - Fixed Male LL for Tube of OD: 2mm - Male LL Cap Vented with Filter - Needle Free Positive Connector - Y Parallel Connector

## Smallbore Extension Set with 2 Needle Free Positive and 2 Check Valve

20020408

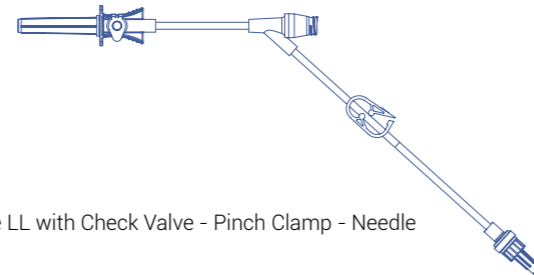


## Product Description

PVC DEHP Free Tube OD: 2mm, ID: 1mm - Slide Clamp for Tube OD: 22mm to OD: 4.1mm - Fixed Male LL for Tube of OD: 2mm - Male LL Cap Vented with Filter - Needle Free Positive Connector - Y Parallel Connector - Check Valve Female LL

## Extension Line with Spike and Needle Free + Check Valve (Cyto)

20020409

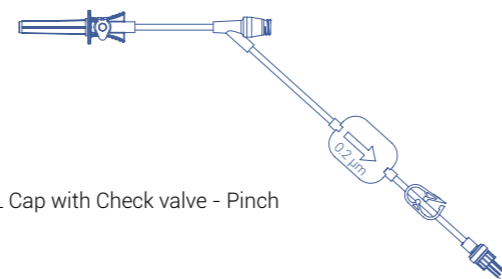


## Product Description

Vented Spike with Air filter & Cap - Male LL Cap Vented with Filter - Fixed Male LL with Check Valve - Pinch Clamp - Needle Free Y-Connector.

## Extension Line with Spike and Needle Free + Inline Filter + Check Valve (Cyto)

20020410



## Product Description

Vented Spike with Air Filter & Cap - Male LL Cap Vented with Filter - Fixed Male LL Cap with Check valve - Pinch Clamp - Needle Free Y-Connector - In-line Filter 0.2µm.

## FlowGuard Code List

Description	Code No.
FlowGuard Extension Line with Needle Free Port 20cm	20020401
Smallbore Extension Set with Needle Free Standard	20020402
Smallbore Y-Extension Set with Needle Free Standard	20020403
Smallbore Y-Extension Set with Needle Free Standard and Check Valve	20020404
Smallbore Extension Set with Needle Free Positive	20020405
Smallbore Extension Set with 2 Needle Free Positive	20020406
Smallbore Extension Set with 3 Needle Free Positive	20020407
Smallbore Extension Set with 2 Needle Free Positive and 2 Check Valve	20020408
Extension Line with Spike and Needle Free + Check Valve (Cyto)	20020409
Extension Line with Spike and Needle Free + Inline Filter + Check Valve (Cyto)	20020410



## Extension Lines with Stopcock

### IV High Flow 3-Way Stopcock with Extension Line (15cm)

20020501



#### Product Description

PVC DEHP Free Tube OD: 5.5mm, ID: 3.5mm, L : 15cm - High Flow 3 Way Valve with 2 Female End for Tube OD: 5.5mm, ID: 3.5mm - Rotated Male LL for Tube of OD: 5.5mm - Male LL Cap Vented with Filter -Female LL Cap

### IV Extension Line with 3-way Stopcock



#### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm - 3 Way Stopcock with 2 Female End for Tube OD: 4.1mm, ID: 3mm - Female LL Cap - Fixed Male LL for Tube of OD: 4.1mm - Male LL Cap Vented with Filter

Code	Length
20020502	15 cm
20020503	25 cm
20020504	50 cm
20020505	75 cm
20020506	100 cm

### IV Extension Line with 3-Way Stopcock with Needle Free 15 cm (Triflow C)

20020507



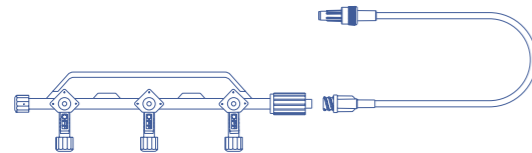
#### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm, L:15cm - 3 Way Stopcock with Female End for Tube OD: 4.1mm, ID: 3mm - Female LL Cap - Fixed Male LL for Tube of OD : 4.1mm - Male LL Cap Vented with Filter - Needle Free Connector

Code	Length
20020507	15 cm
20020508	25 cm
20020509	50 cm
20020510	75 cm
20020511	100 cm

### IV Extension Line with Manifold

20020512



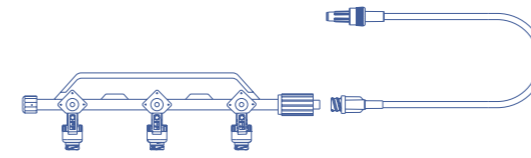
#### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm - Fixed Female LL - Fixed Male LL - Manifold - Male LL Cap Vented Cap - Female LL Cap

Code	Length
20020512	25 cm
20020513	50cm
20020514	75 cm
20020515	100 cm
20020516	150 cm
20020517	200 cm

### IV Extension Line with Manifold + Needle Free

20020518



#### Product Description

PVC DEHP Free Tube OD: 4.1mm, ID: 3mm - Fixed Female LL - Fixed Male LL - Manifold - Male LL Cap - Female LL Cap - Needle Free Connector Male to Female

Code	Length
20020518	25 cm
20020519	50cm
20020520	75 cm
20020521	100 cm
20020522	150 cm
20020523	200 cm

## Extension Lines with Stopcock Code List

Description	Code No.
IV High Flow 3-Way Stopcock with Extension Line 15cm	20020501
IV Extension Line with 3-Way Stopcock 15cm	20020502
IV Extension Line with 3-Way Stopcock 25cm	20020503
IV Extension Line with 3-Way Stopcock 50cm	20020504
IV Extension Line with 3-Way Stopcock 75cm	20020505
IV Extension Line with 3-Way Stopcock 100cm	20020506
IV Extension Line with 3-Way Stopcock with Needle Free 15cm (Triflow C)	20020507
IV Extension Line with 3-Way Stopcock with Needle Free 25cm (Triflow C)	20020508
IV Extension Line with 3-Way Stopcock with Needle Free 50cm (Triflow C)	20020509
IV Extension Line with 3-Way Stopcock with Needle Free 75cm (Triflow C)	20020510
IV Extension Line with 3-Way Stopcock with Needle Free 100cm (Triflow C)	20020511
IV Extension Line with Manifold 25cm	20020512
IV Extension Line with Manifold 50cm	20020513
IV Extension Line with Manifold 75cm	20020514
IV Extension Line with Manifold 100cm	20020515
IV Extension Line with Manifold 150cm	20020516
IV Extension Line with Manifold 200cm	20020517
IV Extension Line with Manifold + Needle Free 25cm	20020518
IV Extension Line with Manifold + Needle Free 50cm	20020519
IV Extension Line with Manifold + Needle Free 75cm	20020520
IV Extension Line with Manifold + Needle Free 100cm	20020521
IV Extension Line with Manifold + Needle Free 150cm	20020522
IV Extension Line with Manifold + Needle Free 200cm	20020523

# Accessories



# Accessories

Male to Female Connector with Check Valve 20030101



Double Spike 20030201



Mini Spike with 1.2um Air Filter - 5um Solution Filter



Code	Color
20030202	Blue
20030203	Green
20030204	Red

Needle Free Connector



Code	Description
20030301	FlowGuard +
20030401	FlowGuard Neu
20030501	FlowGuard -

Manifold 3 Port

20030602



Code	Description
20030601	2 Port
20030603	5 Port
20030701	with Needle Free and Prime Cap 3 Port
20030702	with Needle Free and Prime Cap 5 Port

Stopcock 3-Way Lipid Resistance 20030801



Stopcock 3-Way with Needle Free (Triflow C) 20030901



Combi Stopper Red

20030601

SwabCap

20030602



## Summary of Accessories Codes

Description	Code No.
Male to Female Connector with Check Valve	20030101
Double Spike	20030201
Mini Spike with 1.2um Air Filter - 5um Solution Filter - Color: Blue	20030202
Mini Spike with 1.2um Air Filter - Color: Green	20030203
Mini Spike with 0.2um Air Filter - 5um Solution Filter- Color: Red	20030204
Needle Free Connector FlowGuard +	20030301
Needle Free Connector FlowGuard Neu	20030401
Needle Free Connector FlowGuard -	20030501
Manifold 2 Port	20030601
Manifold 3 Port	20030602
Manifold 5 Port	20030603
Manifold with Needle Free and Prime Cap 3 Port	20030701
Manifold with Needle Free and Prime Cap 5 Port	20030702
Stopcock 3-Way Lipid Resistance	20030801
Stopcock 3-Way with Needle Free (Triflow C)	20030901
Combi Stopper Color: Red	20031001
Combi Stopper Color: Blue	20031002
SwabCap	20031101

Accessories	Description
Stopcocks	Stopcocks are used to regulate the flow of fluids or medications through medical tubing or catheters. They consist of a small valve that can be turned to control the flow of fluid through the device.
Safety Spike	The spike should be able to pierce the bottle stopper of the infusion bag or bottle, and it should not produce debris.
Mini-Spikes	Sharp devices that are used to pierce the stoppers of vials and other containers of medication. It is used to withdraw medication from vials and to administer it from IV lines.
Needle-free	Needle-free connectors are devices that allow quick access to the infusion line, ensuring a secure connection. It is found in positive, negative and neutral pressure.
Manifold	Manifold sets focus on safe and accurate infusion therapy delivery with minimal priming volumes and high flow rates. It has different types according to the number of ports (2, 3 & 5)
Combi-Stopppers	Combi-Stopppers are used to close a luer or luer lock access on other devices.
SwabCap	Acts as a physical barrier to contamination between line accesses and also serves as a disinfecting cleaner for use prior to line access



# Central Venous Catheter

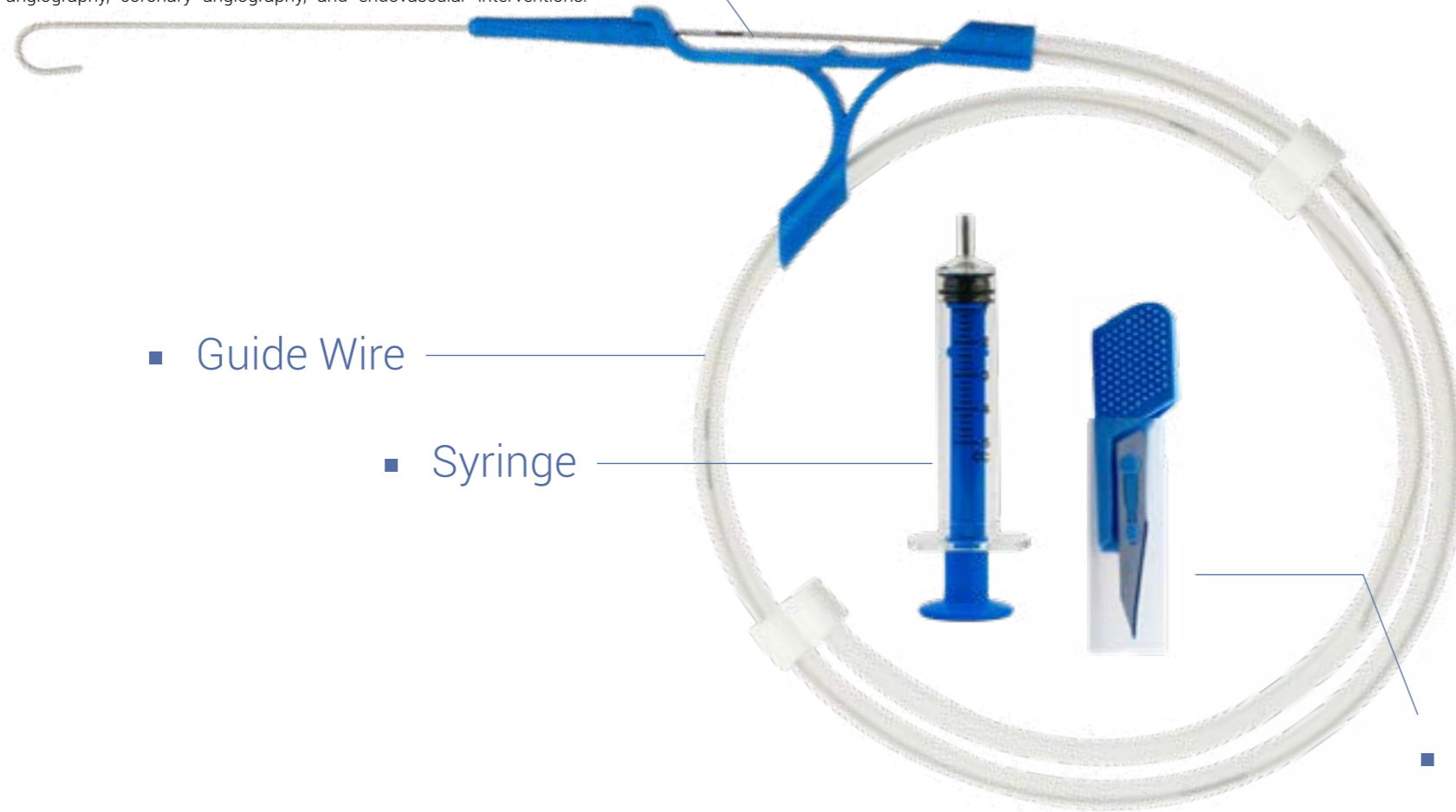


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# Central Venous Catheter

- Nitinol Guide Wire with Flexiable J-Type

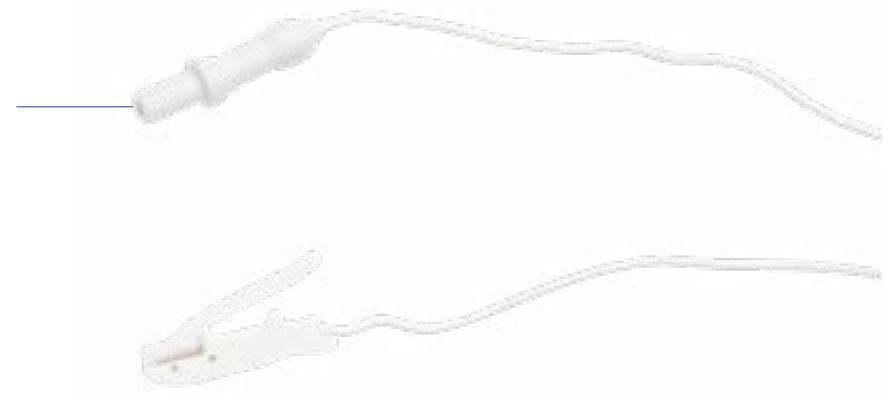
\*Nitinol guide wires are known for their flexibility, durability, and kink resistance. These properties make them ideal for a variety of minimally invasive procedures, such as angiography, coronary angiography, and endovascular interventions.



- Guide Wire

- Syringe

- ECG Cable



- Needle-Free Valve

- Slide Clamp

- Scalpel

- Triangle Hub

- Dilator



- Lumen Variants

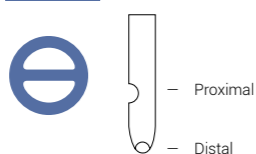
- Catheter

## Lumen Variants of PROcath® Catheters

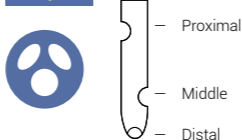
Single



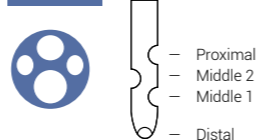
Double



Triple



Quad



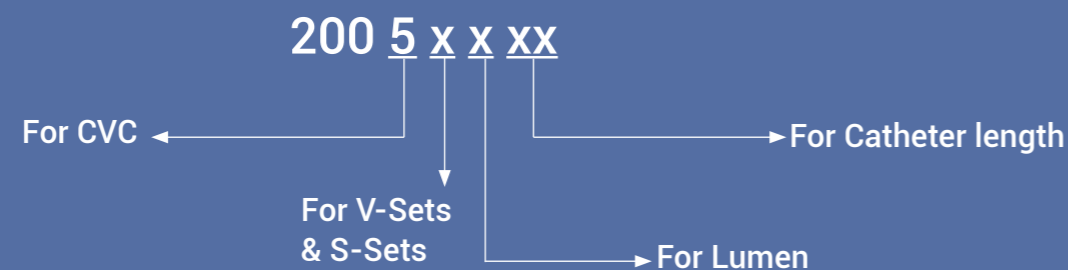
- Soft Tip

- Movable Fixation Clips

Name	Description
Catheter	Reduces the risk of mixing incompatible drugs
Lumen Variants	Available in different ports; single, double, triple, quad
Triangle Hub	Information marked clearly on the hubs
Movable Fixation Clip	The device consists of an adhesive dressing and a clamp part to reduce catheter migration and pull out.
Soft Tip	Minimizes the risk of vessel trauma

- A central venous catheter, also called a central line or CVC, is a device that helps to receive treatments for various medical conditions.
- It's made of a long, thin, flexible Tube that enters body through a vein. The Tube travels through one or more veins until the tip reaches the large vein that empties into heart (vena cava).
- There is an outer surface of the skin is called hub, and the underneath part in skin is called reservoir. The hub or reservoir is the access point for your treatment.
- A CVC allows healthcare providers to access patient's bloodstream easily, reducing the need for many needle sticks into vein. So, a CVC is ideal for people who need long-term medications, fluids, blood draws or blood transfusions. including total parenteral nutrition administration, dialysis, plasmapheresis, medication administration, and hemodynamic monitoring, and to facilitate further complex interventions such as transvenous pacemaker placement.

## CVC Coding System



## PROCATH® Standard Sets

### Single Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Dilator	Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)		
Single S 415	4	15	18	23	0.300	50	0.63	5	20050101
Single S 420	4	20	18	29	0.315	50	0.63	5	20050102
Single S 515	5	15	16	60	0.370	50	0.89	6	20050103
Single S 520	5	20	16	52	0.415	50	0.89	6	20050104
Single S 530	5	30	16	40	0.510	70	0.89	6	20050105
Single S 615	6	15	14	90	0.455	50	0.89	8	20050106
Single S 620	6	20	14	80	0.535	50	0.89	8	20050107
Single S 630	6	30	14	75	0.690	70	0.89	8	20050108

### Accessories

1. Raulerson Syringe: 5ml
2. Scalpel: 1x
3. Luer Locks: 1x
4. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 20 - 18

### Double Lumen (S-Sets)

Name	Catheter					Nitinol Guide-wire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Double S 715	7	15	16/16	60/50	0.400/0.335	50	0.89	20050201
Double S 720	7	20	16/16	55/45	0.455/0.380	50	0.89	20050202
Double S 730	7	30	16/16	52/37	0.570/0.470	70	0.89	20050203

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 8 Fr
3. Scalpel: 1x
4. Luer Locks: 2x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 18

\*NOTE: Other Varities (V-Sets) 20051xxx are available upon request

## Triple Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Triple S 715	7	15	16/18/18	50/28/28	0.340/0.205/0.205	50	0.89	20050301
Triple S 720	7	20	16/18/18	46/22/22	0.380/0.215/0.205	50	0.89	20050302
Triple S 730	7	30	16/18/18	38/18/18	0.460/0.240/0.230	70	0.89	20050303

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 8 Fr
3. Scalpel: 1x
4. Luer Locks: 3x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 18

## Quad Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Quad S 855	8.5	15	14/18/18/16	50/20/20/50	0.435/0.205/0.260/0.255	50	0.89	20050401
Quad S 852	8.5	20	14/18/18/16	40/15/15/40	0.500/0.215/0.280/0.295	50	0.89	20050402
Quad S 853	8.5	30	14/18/18/16	35/10/10/35	0.635/0.240/0.325/0.380	70	0.89	20050403

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 8 Fr
3. Scalpel: 1x
4. Luer Locks: 4x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 18

**S**

Seldinger technique (thin-wall needle technique) is commonly used procedure to obtain safe access to central vein. The desired vessel is punctured with a sharp hollow needle, syringe is detached and guidewire is advanced through the lumen of the needle, and then the needle is withdrawn.

**V**

Valve needle. A central venous catheter (CVC), also known as a central line (c-line), central venous line, or central venous access catheter, is a catheter placed into a large vein. It is a form of venous access.

## PROCATH<sup>®</sup> ECO Sets

## Single Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Dilator	Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)		
Single S 415	4	15	18	23	0.300	50	0.63	5	20052101
Single S 420	4	20	18	29	0.315	50	0.63	5	20052102
Single S 515	5	15	16	60	0.370	50	0.89	6	20052103
Single S 520	5	20	16	52	0.415	50	0.89	6	20052104
Single S 530	5	30	16	40	0.510	70	0.89	6	20052105
Single S 615	6	15	14	90	0.455	50	0.89	8	20052106
Single S 620	6	20	14	80	0.535	50	0.89	8	20052107
Single S 630	6	30	14	75	0.690	70	0.89	8	20052108

### Accessories

1. Raulerson Syringe: 5ml
2. Scalpel: 1x
3. Luer Locks: 1x
4. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 20 - 18

## Double Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Double S 715	7	15	16/16	60/50	0.400/0.335	50	0.89	20052201
Double S 720	7	20	16/16	55/45	0.455/0.380	50	0.89	20052202
Double S 730	7	30	16/16	52/37	0.570/0.470	70	0.89	20052203

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 8 Fr
3. Scalpel: 1x
4. Luer Locks: 2x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 18

## Triple Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Triple S 715	7	15	16/18/18	50/28/28	0.340/0.205/0.205	50	0.89	20052301
Triple S 720	7	20	16/18/18	46/22/22	0.380/0.215/0.205	50	0.89	20052302
Triple S 730	7	30	16/18/18	38/18/18	0.460/0.240/0.230	70	0.89	20052303

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 8 Fr
3. Scalpel: 1x
4. Luer Locks: 3x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 18

## Quad Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Quad S 855	8.5	15	14/18/18/16	50/20/20/50	0.435/0.205/0.260/0.255	50	0.89	20052401
Quad S 852	8.5	20	14/18/18/16	40/15/15/40	0.500/0.215/0.280/0.295	50	0.89	20052402
Quad S 853	8.5	30	14/18/18/16	35/10/10/35	0.635/0.240/0.325/0.380	70	0.89	20052403

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 8 Fr
3. Scalpel: 1x
4. Luer Locks: 4x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: S
2. Gauge: 18

- CVCs are often used for patients who require long-term IV medications or frequent blood draws, such as those receiving chemotherapy, long-term antibiotic therapy, or parenteral nutrition. They may also be used in critical care settings for monitoring hemodynamic parameters, administering medications and providing fluids.

- CVC insertion is typically performed by a trained healthcare provider using sterile techniques to minimize the risk of infection. Complications of CVCs may include infection, clotting, bleeding, or damage to surrounding tissues or organs.

## PROCATH® Safety Sets

## Single Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Dilator	Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)		
Single SS 415	4	15	18	23	0.300	50	0.63	5	20053101
Single SS 420	4	20	18	29	0.315	50	0.63	5	20053102
Single SS 515	5	15	16	60	0.370	50	0.89	6	20053103
Single SS 520	5	20	16	52	0.415	50	0.89	6	20053104
Single SS 530	5	30	16	40	0.510	70	0.89	6	20053105
Single SS 615	6	15	14	90	0.455	50	0.89	8	20053106
Single SS 620	6	20	14	80	0.535	50	0.89	8	20053107
Single SS 630	6	30	14	75	0.690	70	0.89	8	20053108

### Accessories

1. Regular Syringe: 5ml
2. Safety Scalpel #11: 1x
3. Luer Locks: 1x
4. Connection ECG Cable: 1x

### Introducer Needle

1. Type: Safety-S
2. Gauge: 20 - 18

## Double Lumen (S-Sets)

Name	Catheter					Nitinol Guide-wire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Double SS 715	7	15	16/16	60/50	0.400/0.335	50	0.89	20053201
Double SS 720	7	20	16/16	55/45	0.455/0.380	50	0.89	20053202
Double SS 730	7	30	16/16	52/37	0.570/0.470	70	0.89	20053203

### Accessories

1. Regular Syringe: 5ml
2. Dilator: 8 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 2x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: Safety-S
2. Gauge: 18

\*NOTE: Other Varieties (V-Sets) 20054xxx are available upon request

## Triple Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Triple SS 715	7	15	16/18/18	50/28/28	0.340/0.205/0.205	50	0.89	20053301
Triple SS 720	7	20	16/18/18	46/22/22	0.380/0.215/0.205	50	0.89	20053302
Triple SS 730	7	30	16/18/18	38/18/18	0.460/0.240/0.230	70	0.89	20053303

### Accessories

1. Regular Syringe: 5ml
2. Dilator: 8 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 3x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: Safety-S
2. Gauge: 18

## Quad Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M1/M2/M3/P	Min. Flow Rate (ml) D/M1/M2/M3/P	Filling Volume (ml) D/M1/M2/M3/P	Length (cm)	$\Phi$ (mm)	
Quad SS 855	8.5	15	14/18/18/16	50/20/20/50	0.435/0.205/0.260/0.255	50	0.89	20053401
Quad SS 852	8.5	20	14/18/18/16	40/15/15/40	0.500/0.215/0.280/0.295	50	0.89	20053402
Quad SS 853	8.5	30	14/18/18/16	35/10/10/35	0.635/0.240/.325/0.380	70	0.89	20053403

### Accessories

1. Regular Syringe: 5ml
2. Dilator: 9 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 4x
5. Connection ECG Cable: 1x

### Introducer Needle

1. Type: Safety-S
2. Gauge: 18



## PROCATH<sup>®</sup> Pediatric Sets

### Single Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M/P	Min. Flow Rate (ml) D/M/P	Filling Volume (ml) D/M/P	Length (cm)	$\Phi$ (mm)	
Single PS 310	3	10	22	15	0.100	25	0.46	20055101

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 4 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 1x

### Introducer Needle

1. Type: S
2. Gauge: 21

## Double Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Gauge) D/M/P	Min. Flow Rate (ml) D/M/P	Filling Volume (ml) D/M/P	Length (cm)	$\Phi$ (mm)	
Double PS 408	4	8	22/22	18/18	0.235/0.205	50	0.46	20055201
Double PS 413	4	13	22/22	10/10	0.255/0.225	50	0.46	20055202
Double PS 420	4	20	22/22	9/9	0.275/0.250	50	0.46	20055203
Double PS 508	5	8	18/20	30/15	0.250/0.205	50	0.46	20055204
Double PS 513	5	13	18/20	22/11	0.270/0.225	50	0.46	20055205
Double PS 520	5	20	18/20	18/9	0.300/0.250	50	0.46	20055206

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 5 - 6 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 2x

### Introducer Needle

1. Type: S
2. Gauge: 21

\*NOTE: Other Varieties (V-Sets) 20056xxx are available upon request

## Triple Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Guage) D/M/P	Min. Flow Rate (ml) D/M/P	Filling Volume (ml) D/M/P	Length (cm)	$\Phi$ (mm)	
Triple PS 715	5	8	20/22/22	30/15/15	0.235/0.185/0.180	50	0.46	20055301
Triple PS 720	5	13	20/22/22	29/10/10	0.260/0.200/0.195	50	0.46	20055302
Triple PS 730	5	20	20/22/22	18/6/6	0.290/0.215/0.210	70	0.46	20055303

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 6 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 3x

### Introducer Needle

1. Type: S
2. Gauge: 21



## PROCATH® High Flow Sets

### Double Lumen (S-Sets)

Name	Catheter					Nitinol Guide wire		Dilator	Code
	Siize	Length	Lumen $\Phi$ (Guage) D/M/P	Min. Flow Rate (ml) D/M/P	Filling Volume (ml) D/M/P	Length (cm)	$\Phi$ (mm)		
Double HF S 715	7	15	14/18	105/42	0.235/0.205	50	0.89	8	20058201
Double HF S 720	7	20	14/18	100/27	0.255/0.225	50	0.89	8	20058202
Double HF S 852	8.5	20	13/13	95/120	0.275/0.250	50	0.89	9	20058203
Double HF S 1215	12	15	11/11	260/260	0.250/0.205	50	0.89	12	20058204
Double HF S 1220	12	20	11/11	230/230	0.270/0.225	50	0.89	12	20058205

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 5 - 6 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 2x

### Introducer Needle

1. Type: S
2. Gauge: 18

### Triple Lumen (S-Sets)

Name	Catheter					Nitinol Guidewire		Code
	Siize	Length	Lumen $\Phi$ (Guage) D/M/P	Min. Flow Rate (ml) D/M/P	Filling Volume (ml) D/M/P	Length (cm)	$\Phi$ (mm)	
Triple HF S 1215	12	15	16/12/12	65/225/225	0.415/1.260/1.170	50	0.89	20058301
Triple HF S 1220	12	20	16/12/12	55/165/165	0.470/1.410/1.400	50	0.89	20058302

### Accessories

1. Raulerson Syringe: 5ml
2. Dilator: 12 Fr
3. Safety Scalpel #11: 1x
4. Luer Locks: 3x

### Introducer Needle

1. Type: S
2. Gauge: 18

\*NOTE: Other Varities (V-Sets) 20059xxx are available upon request

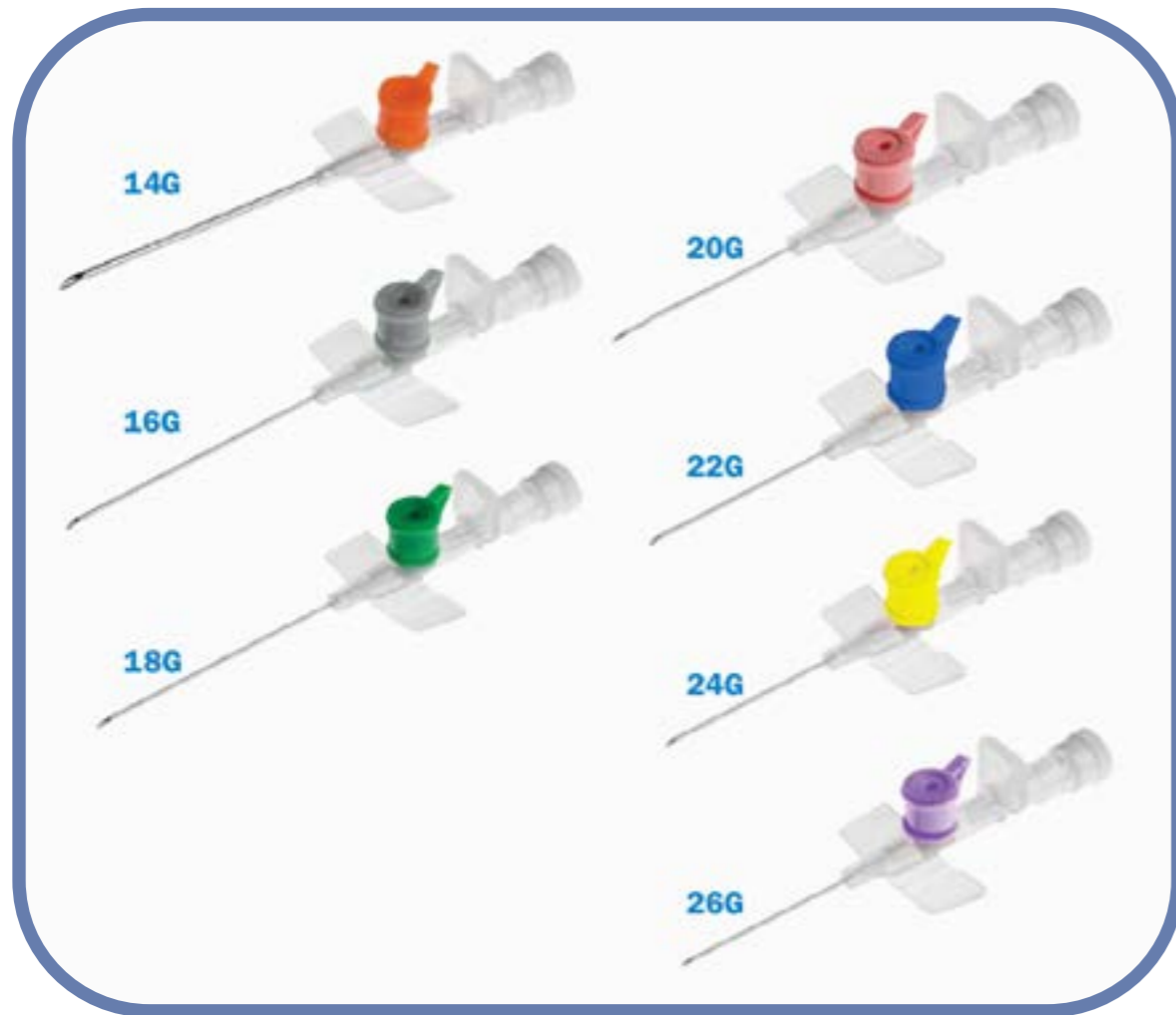
# IV Cannulas



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# IV Cannulas

- IV cannulas, also known as IV catheters, are small, flexible Tubes that are inserted into a vein for the purpose of administering medication, fluids, or blood products directly into the bloodstream.
- IV cannulas are available in different gauges, which refer to the diameter of the catheter. A higher gauge number indicates a smaller diameter, with 18-24 gauge being the most common sizes used in clinical settings.
- The choice of gauge depends on the intended use of the IV cannula, the size and condition of the patient's veins, and the type of fluid or medication being administered.



## Standard IV Cannula

### PRIMEFLOW<sup>®</sup> without Port / without Wings

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter Φ(MM)	Flow rate (ML/ Min)	CC
20040101	20040201	26	19	0.6	15	●
20040102	20040202	24	19	0.7	20	●
20040103	20040203	22	25	0.9	33	●
20040104	20040204	20	32	1.1	60	●
20040105	20040205	18	45	1.3	90	●
20040106	20040206	17	45	1.5	140	●
20040107	20040207	16	45	1.7	200	●
20040108	20040208	14	45	2.1	300	●



### PRIMEFLOW<sup>®</sup> with Wings

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter Φ(MM)	Flow rate (ML/ Min)	CC
20040301	20040401	26	19	0.6	15	●
20040302	20040402	24	19	0.7	20	●
20040303	20040403	22	25	0.9	33	●
20040304	20040404	20	32	1.1	60	●
20040305	20040405	18	45	1.3	90	●
20040306	20040406	17	45	1.5	140	●
20040307	20040407	16	45	1.7	200	●
20040308	20040408	14	45	2.1	300	●



### PRIMEFLOW<sup>®</sup> with Injection Port and Wings

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter Φ(MM)	Flow rate (ML/ Min)	CC
20040501	20040601	26	19	0.6	15	●
20040502	20040602	24	19	0.7	20	●
20040503	20040603	22	25	0.9	33	●
20040504	20040604	20	32	1.1	60	●
20040505	20040605	18	45	1.3	90	●
20040506	20040606	17	45	1.5	140	●
20040507	20040607	16	45	1.7	200	●
20040508	20040608	14	45	2.1	300	●



## Safety IV Cannula

### PROGUARD<sup>®</sup> Safety without Port and Wings

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20040701	20040801	26	19	0.6	15	●
20040702	20040802	24	19	0.7	20	●
20040703	20040803	22	25	0.9	33	●
20040704	20040804	20	32	1.1	60	●
20040705	20040805	18	45	1.3	90	●
20040706	20040806	17	45	1.5	140	●
20040707	20040807	16	45	1.7	200	●
20040708	20040808	14	45	2.1	300	●



## Safety Closed IV Cannula

### PROGUARD+<sup>®</sup> Safety with Filter and Wing

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20041301	20041401	26	19	0.6	15	●
20041302	20041402	24	19	0.7	20	●
20041303	20041403	22	25	0.9	33	●
20041304	20041404	20	32	1.1	60	●
20041305	20041405	18	45	1.3	90	●
20041306	20041406	17	45	1.5	140	●
20041307	20041407	16	45	1.7	200	●
20041308	20041408	14	45	2.1	300	●



### PROGUARD<sup>®</sup> Safety with Wings

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20040901	20041001	26	19	0.6	15	●
20040902	20041002	24	19	0.7	20	●
20040903	20041003	22	25	0.9	33	●
20040904	20041004	20	32	1.1	60	●
20040905	20041005	18	45	1.3	90	●
20040906	20041006	17	45	1.5	140	●
20040907	20041007	16	45	1.7	200	●
20040908	20041008	14	45	2.1	300	●



## Standard Neonate Cannula

### PRIMEFLOW-NEO<sup>®</sup> Safety with Wing Without Port

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20041501	20041601	26	19	0.6	15	●
20041502	20041602	24	19	0.7	20	●



### PRIMEFLOW-NEO<sup>®</sup> Safety with Wing and Wing Cap without Port

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20041701	20041801	26	19	0.6	15	●
20041702	20041802	24	19	0.7	20	●



### PROGUARD<sup>®</sup> Safety with Injection Port and Wings

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20041101	20041201	26	19	0.6	15	●
20041102	20041202	24	19	0.7	20	●
20041103	20041203	22	25	0.9	33	●
20041104	20041204	20	32	1.1	60	●
20041105	20041205	18	45	1.3	90	●
20041106	20041206	17	45	1.5	140	●
20041107	20041207	16	45	1.7	200	●
20041108	20041208	14	45	2.1	300	●



## Standard with Integrated 3 Way

### PROGUARD+<sup>®</sup> Standard with Integrated 3 Way Stopcock

Code - FEP	Code - PUR	Gauge	Length (MM)	Catheter $\Phi$ (MM)	Flow rate (ML/ Min)	CC
20041901	20042001	24	19	0.7	20	●
20041902	20042002	22	25	0.9	33	●
20041903	20042003	20	32	1.1	60	●
20041904	20042004	18	45	1.3	90	●



# Syringes



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# Syringes

- Syringes are medical devices used for the administration of medications or the withdrawal of body fluids. They consist of a cylindrical barrel, a plunger, and a needle or a tip.
- The barrel is marked with volume measurements in milliliters (ml) or cubic centimeters (cc), which allows for accurate measurement of the volume of medication being administered or withdrawn.
- Syringes are also used for the withdrawal of body fluids, such as blood or cerebrospinal fluid, for diagnostic or therapeutic purposes.



Luer Slip



Luer Lock

## Standard 3-Pcs Syringe

### Luer Slip without Needle

Code	Size	Core	Graduation
20060101	1 ML	Centric	0.01 ml
20060102	3 ML	Centric	0.1 ml
20060203	5 ML	Eccentric	0.2 ml
20060204	10 ML	Eccentric	0.5 ml
20060205	20 ML	Eccentric	1 ml
20060206	30 ML	Eccentric	1 ml
20060207	50 ML	Eccentric	1 ml

### Luer Lock without Needle

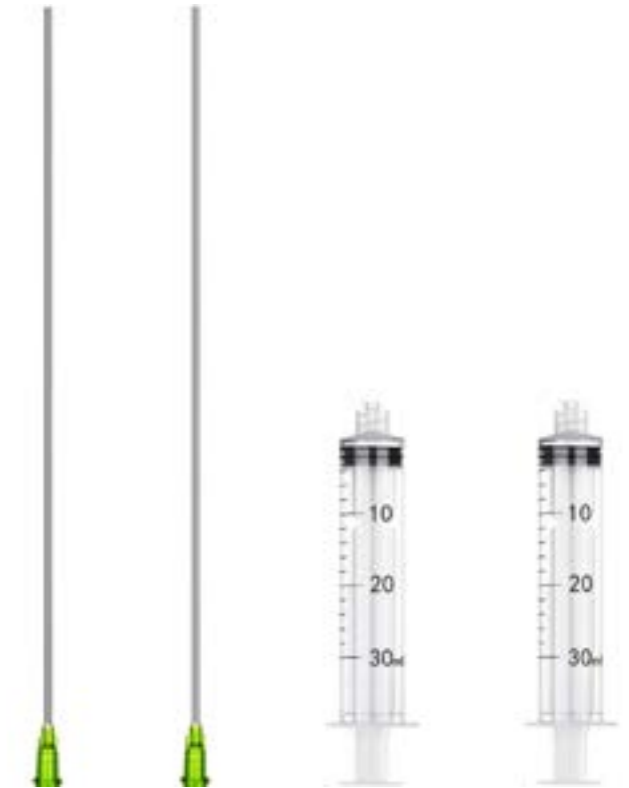
Code	Size	Core	Graduation
20060301	1 ML	Centric	0.01 ml
20060302	3 ML	Centric	0.1 ml
20060303	5 ML	Centric	0.2 ml
20060304	10 ML	Centric	0.5 ml
20060305	20 ML	Centric	1 ml
20060306	30 ML	Centric	1 ml
20060307	50 ML	Centric	1 ml

### Luer Slip with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20060401	1 ML	Centric	0.01 ml	25 G	8mm
20060402	3 ML	Centric	0.1 ml	23 G	10mm
20060503	5 ML	Eccentric	0.2 ml	22 G	15mm
20060504	10 ML	Eccentric	0.5 ml	21 G	15mm
20060505	20 ML	Eccentric	1 ml	21 G	15mm

### Luer Lock with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20060601	1 ML	Centric	0.01 ml	25 G	8mm
20060602	3 ML	Centric	0.1 ml	23 G	10mm
20060603	5 ML	Centric	0.2 ml	22 G	15mm
20060604	10 ML	Centric	0.5 ml	21 G	15mm
20060605	20 ML	Centric	1 ml	21 G	15mm



## Standard 2-Pcs Syringe

### Luer Slip without Needle

Code	Size	Core	Graduation
20061101	1 ML	Centric	0.01 ml
20061202	3 ML	Eccentric	0.1 ml
20061203	5 ML	Eccentric	0.2 ml
20061204	10 ML	Eccentric	0.5 ml
20061205	20 ML	Eccentric	1 ml

### Luer Lock without Needle

Code	Size	Core	Graduation
20061301	1 ML	Centric	0.01 ml
20061302	3 ML	Centric	0.1 ml
20061303	5 ML	Centric	0.2 ml
20061304	10 ML	Centric	0.5 ml
20061305	20 ML	Centric	1 ml

### Luer Slip with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20061401	1 ML	Centric	0.01 ml	25 G	8mm
20061402	3 ML	Eccentric	0.1 ml	23 G	10mm
20061403	5 ML	Eccentric	0.2 ml	22 G	15mm
20061404	10 ML	Eccentric	0.5 ml	21 G	15mm
20061405	20 ML	Eccentric	1 ml	21 G	15mm

### Luer Lock with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20061601	1 ML	Centric	0.01 ml	25 G	8mm
20061602	3 ML	Centric	0.1 ml	23 G	10mm
20061603	5 ML	Eccentric	0.2 ml	22 G	15mm
20061604	10 ML	Eccentric	0.5 ml	21 G	15mm
20061605	20 ML	Eccentric	1 ml	21 G	15mm



## Safety 3-Pcs Syringe

### Luer Slip without Needle

Code	Size	Core	Graduation
20062101	1 ML	Centric	0.01 ml
20062102	3 ML	Centric	0.1 ml
20062103	5 ML	Eccentric	0.2 ml
20062104	10 ML	Eccentric	0.5 ml
20062105	20 ML	Eccentric	1 ml
20062106	30 ML	Eccentric	1 ml
20062107	50 ML	Eccentric	1 ml

### Luer Lock without Needle

Code	Size	Core	Graduation
20062301	1 ML	Centric	0.01 ml
20062302	3 ML	Centric	0.1 ml
20062303	5 ML	Centric	0.2 ml
20062304	10 ML	Centric	0.5 ml
20062305	20 ML	Centric	1 ml
20062306	30 ML	Centric	1 ml
20062307	50 ML	Centric	1 ml

### Luer Slip with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20062401	1 ML	Centric	0.01 ml	25 G	8mm
20062402	3 ML	Centric	0.1 ml	23 G	10mm
20062403	5 ML	Eccentric	0.2 ml	22 G	15mm
20062404	10 ML	Eccentric	0.5 ml	21 G	15mm
20062405	20 ML	Eccentric	1 ml	21 G	15mm

### Luer Lock with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20062601	1 ML	Centric	0.01 ml	25 G	8mm
20062602	3 ML	Centric	0.1 ml	23 G	10mm
20062603	5 ML	Centric	0.2 ml	22 G	15mm
20062604	10 ML	Centric	0.5 ml	21 G	15mm
20062605	20 ML	Centric	1 ml	21 G	15mm



## Safety 2-Pcs Syringe

### Luer Slip without Needle

Code	Size	Core	Graduation
20063101	1 ML	Centric	0.01 ml
20063102	3 ML	Eccentric	0.1 ml
20063103	5 ML	Eccentric	0.2 ml
20063104	10 ML	Eccentric	0.5 ml
20063105	20 ML	Eccentric	1 ml

### Luer Lock without Needle

Code	Size	Core	Graduation
20063301	1 ML	Centric	0.01 ml
20063302	3 ML	Centric	0.1 ml
20063303	5 ML	Centric	0.2 ml
20063304	10 ML	Centric	0.5 ml
20063305	20 ML	Centric	1 ml

### Luer Slip with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20063401	1 ML	Centric	0.01 ml	25 G	8mm
20063402	3 ML	Eccentric	0.1 ml	23 G	10mm
20063403	5 ML	Eccentric	0.2 ml	22 G	15mm
20063404	10 ML	Eccentric	0.5 ml	21 G	15mm
20063405	20 ML	Eccentric	1 ml	21 G	15mm

### Luer Lock with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20063601	1 ML	Centric	0.01 ml	25 G	8mm
20063602	3 ML	Centric	0.1 ml	23 G	10mm
20063603	5 ML	Eccentric	0.2 ml	22 G	15mm
20063604	10 ML	Eccentric	0.5 ml	21 G	15mm
20063605	20 ML	Eccentric	1 ml	21 G	15mm



## Standard 3-Pcs Syringe with Catheter Tip

### Catheter Tip

Code	Size	Core	Graduation
20064107	50 ML	Centric	1 ml
20064209	100 ML	Centric	2 ml



## Insulin Syringes

### Syring with Integrated Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20065201	1 ML	Centric	0.01 ml	30 G	8mm



### Luer Slip with Needle

Code	Size	Core	Graduation	Needle Gauge	Length
20065101	1 ML	Centric	0.01 ml	30 G	8mm

## 3-Pcs Enfit Enteral Syringes

### Luer Enfit

Code	Size	Core	Graduation
20066101	1 ML	Centric	0.01 ml
20066202	3 ML	Eccentric	0.1 ml
20066203	5 ML	Eccentric	0.1 ml
20066204	10 ML	Eccentric	0.1 ml
20066205	20 ML	Eccentric	1 ml
20066206	60 ML	Eccentric	1 ml



## Spectraline Syringes

### Syringe with Luer Lock

Code	Size	color	Graduation
20067101	10 ML	White	1 ml
20067102	10 ML	Blue	1 ml
20067103	10 ML	Green	1 ml
20067104	10 ML	Yellow	1 ml
20067105	10 ML	Red	1 ml
20067201	20 ML	White	1 ml
20067202	20 ML	Blue	1 ml
20067203	20 ML	Green	1 ml
20067204	20 ML	Yellow	1 ml
20067105	20 ML	Red	1 ml



# Site Care



# Fixation Dressing

## Non-Woven Cannula Fixation Dressing

Non-Woven cannula fixation dressing consists of soft non-woven fabric. It ensures that the cannula is properly fixed to the body.

### Features

1. Soft and elastic structure
2. Hypoallergenic
3. Sterile and single package
4. Air permeable

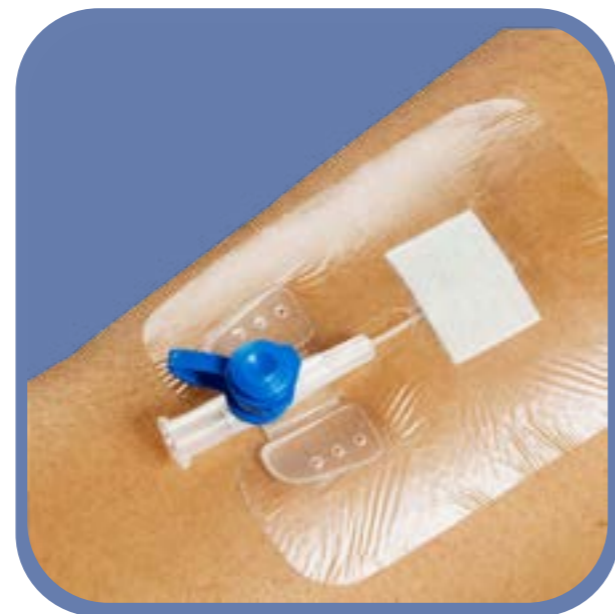


## Transparent Cannula Fixation Dressing

### Features

1. Waterproof
2. Soft and elastic structure
3. Hypoallergenic
4. Sterile and single package

Size (cm)	Code
4 x 6	60120207
6 x 7	60120208
7 x 9	60120209
8 x 6	60120210
8.5 x 10	60120211
9 x 12	60120212



## I.V. Advanced Securement Dressing

It is used for the fixation of catheters, such as indwelling needles, epidural catheters, central venous catheters, etc.

Size (cm)	Code
2 x 8	60120617

### Features

1. Fixed firmly
2. Reduced patient's pain
3. Convenient for clinical operation
4. Prevention of catheter detachment & movement



## PE Tape

- It is a kind of tape made of Polyethylene (PE) and medical hypoallergenic adhesive. Breathable with reliable adhesiveness, low sensitization, excellent compliance and no residue glue.
- It is used in surgical operation, for the fastening of dressing or catheter, in sports protection, & industrial packaging as well.

Size (cm x mm)	Code
1.25 x 5	60100310
2.5 x 5	60100311
5 x 5	60100312
7.5 x 5	60100313



1. Air-permeable, hypoallergenic
2. Easy to tear off making usage **very convenient** & comfortable.
3. Breathable, with reliable **adhesiveness and low sensitization**.
4. Made from **non-stretch polyethylene** film with high tensile strength.

## Silicone Tape

- Reduces pain & trauma before, at and after dressing change & has low potential for irritation, allergy.
- Does not adhere to the moist wound bed but only the dry skin.

Size (cm x mm)	Code
2.5 x 1.5	60100621
3.5 x 1.5	60100622
4 x 1.5	60100623
7.5 x 1.5	60100624
9.5 x 1.5	60100625
4 x 3	60100626



## Non-Woven Tape

Non-woven tape, also known as non-woven adhesive tape or non-woven medical tape, is a type of medical tape commonly used in healthcare settings for securing dressings, bandages, or other medical devices.

Size (cm x mm)	Code
1.25x5	60100205
2.5x5	60100206
5x5	60100207
10x5	60100208
7.5x5	60100209





**THANK YOU  
FOR WATCHING**