



Wound Drainage

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Local response, global expertise

Unomedical leadership

Unomedical offers a full choice of Wound Drainage Systems for your hospital from Low Vacuum Drainage Systems to High Vacuum Drainage Systems with various bellows/bottle capacities.

Wound Drainage Products

- Low Vacuum Drainage Systems
- High Vacuum Drainage Systems
- Auto Transfusion Systems
- Silicone Evacuator and Drains
- Uno Mini Vacuum Set
- Drains and Trocar



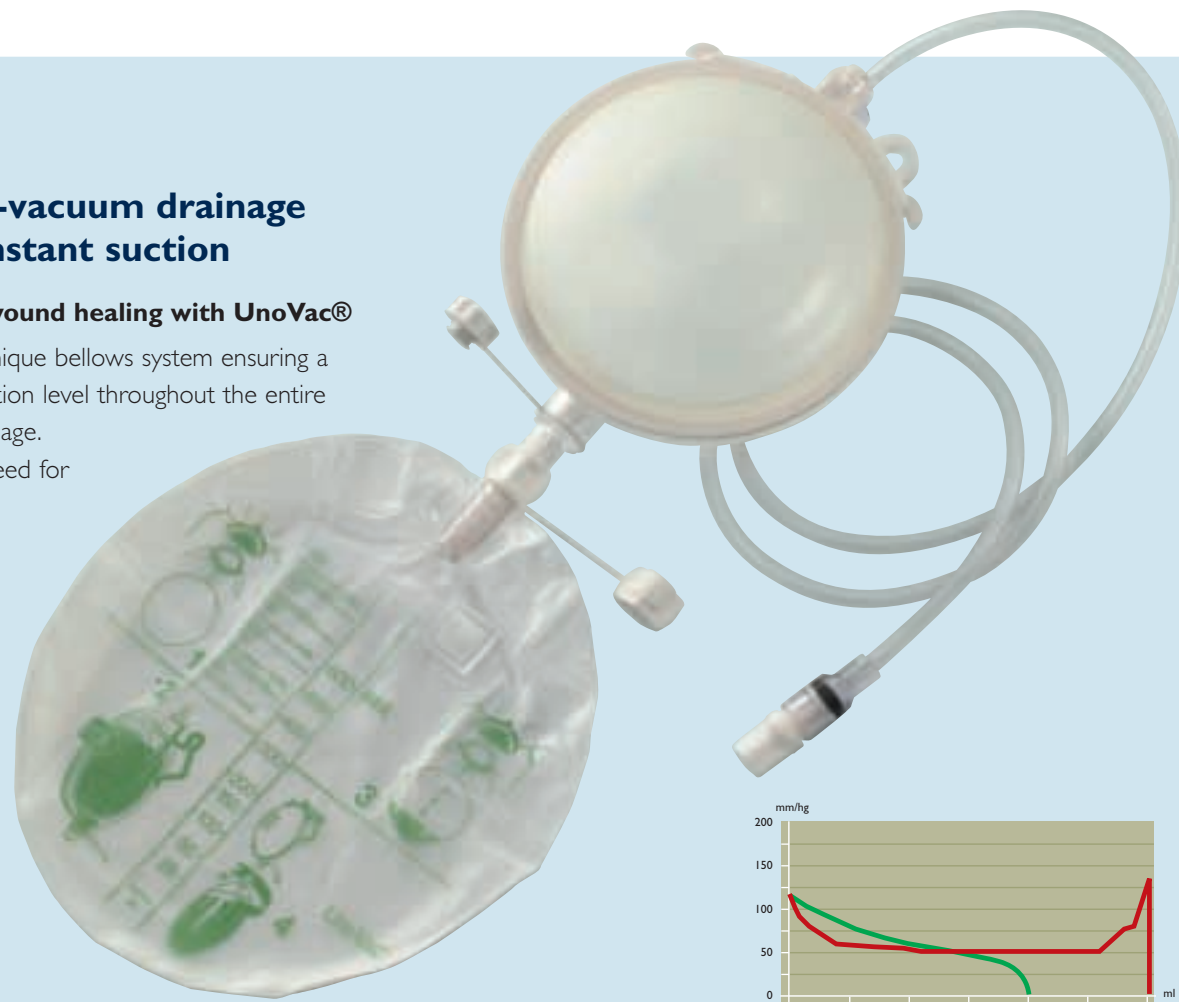
Low Vacuum Wound Drainage Systems

UnoVac® Effective low-vacuum drainage featuring constant suction

Faster and safer wound healing with UnoVac®

UnoVac features a unique bellows system ensuring a virtually constant suction level throughout the entire period of active drainage.

This eliminates the need for traditional clamps.



UnoVac provides a constant suction level in comparison with traditional bellows-type units.

Features

- Constant suction level provides dramatically increased efficiency
- Low-vacuum technique reduces tissue damage
- 100% closed and tamper-proof system reduces risk of infection
- Quick and easy one-step operation
- Automatic switch to passive drainage when chamber is fully expanded
- Full 900ml capacity (suction unit=300ml, bag=600ml)
- Delivered in complete, ready-to-use sterile set. Extra bags available separately.
- Complete instructions and graduation printed directly on bag
- 90° twist-and-lock cap allows safe disposal of used bags
- Reliable 90° twist-and-lock connector. Practical flange for better grip
- Integrated hydrophobic bacteria filter reduces risk of infection
- The UnoVac 'dimple' provides immediate visual control of remaining vacuum
- Graduated suction unit provides indicative drainage measurement

1. Cherry, G., McClatchey, K.: Wound Drainage: Effects of Negative Pressure on Healing, *Infections in Surgery*, April 1983, 243-247.
 2. Enneker, C., Fleischmann, E., Lange, Th.: Klinische Anwendung und vergleichende Untersuchung der Ulmer Drainage und der herkömmlichen Gewebssaugdrainage nach Redon, *Der Chirurg*, No 50, 1979, 626-630.
 3. Kirschner, P., Römer, H., Werner, H.P.: Komplikationen der Redon-Drainage nach Hüftgelenkersatzoperationen, *Unfallchirurgie* 15, No. 1, 1989, 24-31.



Non-return valves eliminate need for manual clamps and risk of blood/secretion reflux

Easy operation, tamper-proof design

Establishing the vacuum and emptying any fluid in the suction chamber is accomplished in one simple operation – just press. The specially-designed non-return valves eliminate the need to fuss with clamps and leave both hands free to evacuate the system. Moreover, they ensure that clamps cannot accidentally open and cause potentially dangerous reflux. In short, you won't find a safer or more convenient low-vacuum source anywhere.



'Twist-to-fit' universal connector fits all drains from FG 10-18

REF.	Description	Qty / Box
26058182	UnoVac with FG 10 Ulmer Drain & Steel Trocar NRV*	20
26059182	UnoVac with FG 14 Ulmer Drain & Steel Trocar NRV*	20
26060182	UnoVac Bags Sterile NRV*	40
26061182	UnoVac without Ulmer Drain & Trocar NRV*	20
15057182	Ulmer Drain 750mm - FG 10 with Steel Trocar	10
15059182	Ulmer Drain 750mm - FG 12 with Steel Trocar	10
15061182	Ulmer Drain 750mm - FG 14 with Steel Trocar	10
15063182	Ulmer Drain 750mm - FG 16 with Steel Trocar	10
15065182	Ulmer Drain 750mm - FG 18 with Steel Trocar	10
260.10.130	Redon Drain 130cm - FG 10 with Steel Trocar	25
84018182	UnoVac Twin Connector Sterile	10

High Vacuum Wound Drainage Systems

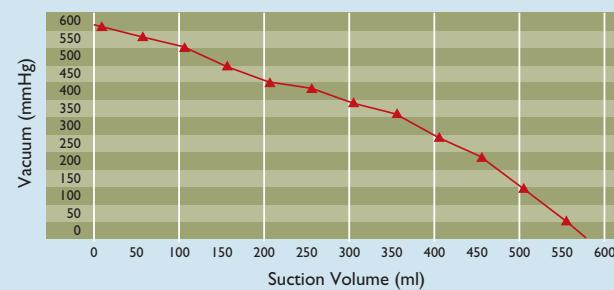
Latex free

High Vacuum Wound Drainage Systems

Unomedical offers a comprehensive range of high vacuum wound drainage systems.

Features include:

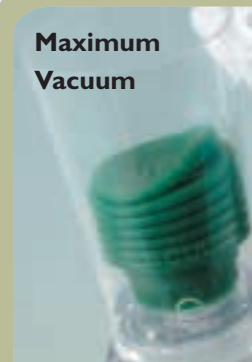
- Connecting Tube with Luer Lock
- Vacuum Indicator
- Anti-Reflux Valve
- Wound Drain
- Y-Connector



Connecting Tube with Luer Lock

The Luer lock coupling enables you to change the bottle when it becomes full without coming into contact with potentially contaminated blood of the patient.

Maximum Vacuum



Minimum Vacuum



The Vacuum Indicator

The vacuum indicator shows the amount of negative pressure present in the container. In a range between maximum to minimum, when the vacuum indicator reads minimum this indicates the bottle needs to be replaced.

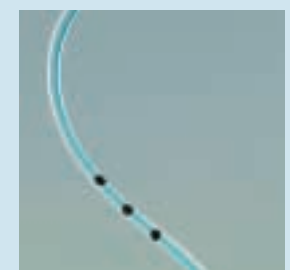
Anti-Reflux Valve

Placed directly between the wound drain and the distal end of the connecting tubing, which prevents potentially contaminated fluid re-entering the wound.



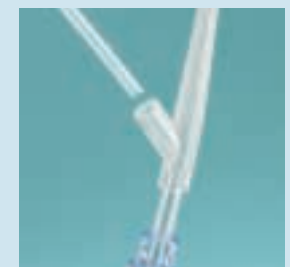
Wound Drain

Has similar properties to silicone and is sturdy enough to withstand the potential negative pressure present in high vacuum. X-ray detectable and has three markings to indicate the position of the drain.



Y-Connector

The Y-Connector allows the flexibility of connecting an additional drain when required.



REF.	Description	Bottle Size	Qty / Box
26057000	Replacement bottle	600ml	10
26057010	Hi Vacuum Wound Drainage System with connecting tube, anti-reflux valve and luer lock with FG 10 drain 50cm and trocar	600ml	10
26057014	Hi Vacuum Wound Drainage System with connecting tube, anti-reflux valve and luer lock with FG 14 drain 50cm and trocar	600ml	10
26057019	Hi Vacuum System with connecting tube, anti-reflux valve, single universal connector	600ml	10
3601000	Hi Vacuum System with connecting tube, anti-reflux valve, Y connector, FG 10 Drain 130cm & Trocar	600ml	10
3601400	Hi Vacuum System with connecting tube, anti-reflux valve, Y connector, FG 14 Drain 130cm & Trocar	600ml	10
4600010	Hi Vacuum Wound Drainage System with connecting tube, anti-reflux valve and luer lock with FG 10 drain and trocar drain 50cm	200ml	10
4600019	Hi Vacuum Wound Drainage System with connecting tube, anti-reflux valve, single universal connector	200ml	10

Auto Transfusion Wound Drainage Systems

Leading the way with safety

HandyVac™ ATS – a sterile, disposable drainage set and autologous transfusion system

Safe and simple post-operative blood collection and reinfusion

Modern autologous blood transfusion systems must be safe, economical, and user-friendly. HandyVac™ ATS has been specially designed to meet these needs, providing gentle post-operative blood collection and preventing unnecessary mechanical damage to erythrocytes so that retransfusion is possible. The low-vacuum bellows provide optimal suction, yet will not draw tissue into the drain. This produces less trauma during the suction period as well as when removing the drain in comparison with high-vacuum systems.

HandyVac™ ATS automatically continues to provide drainage by gravity even when the bellows have fully expanded.

The 125 ml HandyVac™ ATS features a combination of two built-in non-return valves and a drip chamber to minimise the risk of retrograde infection and to protect medical staff from contact with the patient's blood – a vital safety feature. Naturally, the unit is produced under the strictest hygienic conditions and is pyrogen free.

Mikrotran 10 Micro Filter – a leading safety feature

The 150/50/10µm triple cascade filter effectively removes unwanted impurities down to the size of 10µm



The special luer-lock connector with built-in O-ring ensures a secure connection and optimal flow.

Features

- 1 Built-in 200µm filter
- 2 Easy-to-read scale on large 700ml bag
- 3 Injection port fitted with protective plug
- 4 Special 150/50/10µm ATS filtration system
- 5 Luer-lock connector provides a secure connection
- 6 Bellows has a 125ml capacity
- 7 Built-in hanging strap. Reusable hanger also available.
- 8 Non-return valve in the bellows and the bag prevents reflux and thereby reduces the risk of retrograde contamination



Convenient thumb-hole for one-hand evacuation



Spiral drain contains oval shaped holes to ensure optimal drainage while significantly reducing the risk of tissue growth in opposing eyes during vacuum



Blood bag Luer-Lock Cap gives a secure seal

REF.	Description	Length of drain mm	Length of perforation mm	Inner/Outer drain diameter mm	Qty/ Box
40210182	HandyVac ATS Combi* with solid trocar FG 10	650	150	2.0/3.3	20
40203182	HandyVac ATS Combi* with solid trocar FG 14	650	150	2.4/4.7	20
40213182	HandyVac ATS Combi* with solid trocar FG 18	650	150	3.5/6.0	20
40204182	HandyVac ATS blood bag 700 ml with injection port	-	-	2.4/4.7	50
40199069	HandyVac ATS Mikrotrans 10 filter with spike	-	-	2.4/4.7	40
40133182	Female drain connector FG 10	-	-	2.0/3.3	25
40137182	Female drain connector FG 14	-	-	2.4/4.7	25
40141182	Female drain connector FG 18	-	-	3.5/6.0	25
40129182	Cap for male connector	-	-	2.4/4.7	25
40131182	Cap for female connector	-	-	2.4/4.7	25

* Combi: HandyVac ATS, HandyVac ATS blood bag 700 ml with injection port, 2 spiral drains, Y-connector

Other Wound Drainage

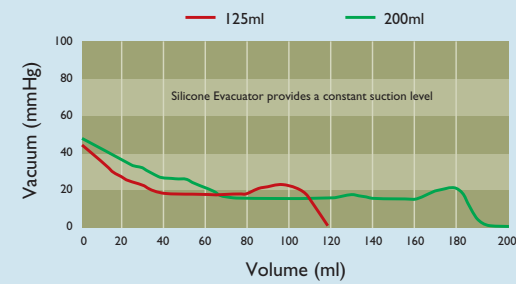
Silicone Evacuator and Drains

Latex free

Silicone Evacuator is a low-vacuum drainage system. The easy-to-use evacuator provides optimal suction, yet will not draw tissue into the drain. This helps reduce trauma during the suction period and when removing the drain especially in comparison with high-vacuum systems.

Redon Silicone Drain

- Silicone drains are softer and easier to place and remove than traditional PVC drains, therefore helping reduce trauma to the patient
- Length 500mm
- X-ray detectable
- Flush connection of trocar to drain minimises penetration damage



REF.	Description	Qty / Box
262.10.500	Silicone Drain 500mm - FG 10 with steel trocar	10
262.14.500	Silicone Drain 500mm - FG 14 with steel trocar	10
263.00.125	Silicone Evacuator 125ml (Graduations every 25ml) for FG 10	10
263.00.200	Silicone Evacuator 200ml (Graduations every 500ml) for FG 10	10
263.14.125	Silicone Evacuator 125ml (Graduations every 25ml) for FG 14	10
263.14.200	Silicone Evacuator 200ml (Graduations every 50ml) for FG 14	10
264.10.125	Silicone Evacuator 125ml with 500mm silicone drain with FG 10 steel trocar	10

Uno Mini Vacuum Set

Purpose

Wound drainage by means of low vacuum. Primarily used in head, neck and hand surgery.

Features

- 30ml bellows provide initial vacuum of 80mm/Hg
- Can be re-evacuated for maximum collection of secretion
- Semi-transparency allows observation of contents
- Ready-to-use set with enclosed needle drain
- Trocar made of strong disposable stainless steel
- A choice of drains



Ulmer Drain

Graduated perforation holes provide uniform and 2.5 times better drainage effect along the perforation reducing clotting risk

Redon Drain

Conventional drain with standard perforation

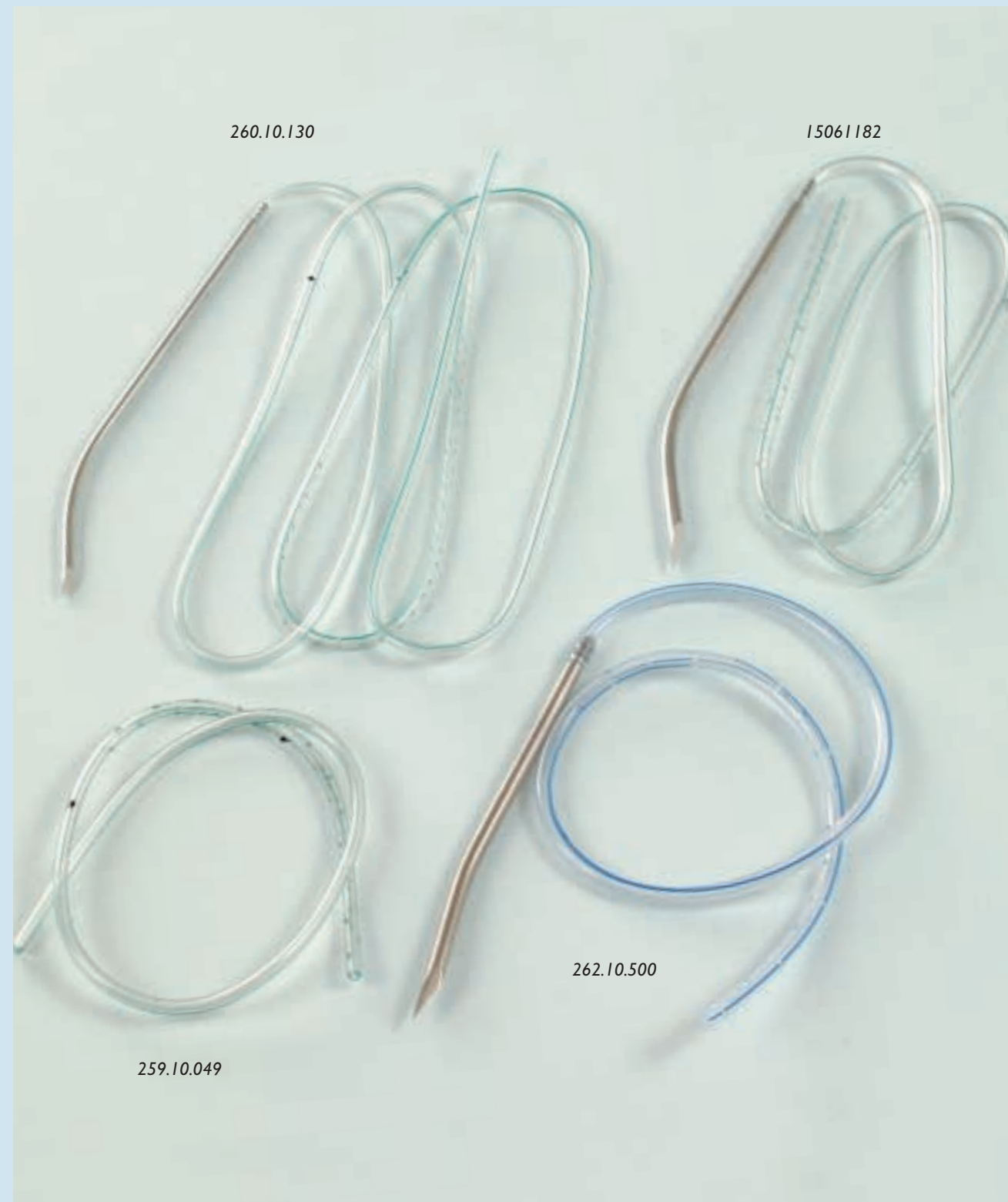
Specifications

Bellows: Polyethylene

Drain: Polyvinyl chloride medical grade
Hardness: Shore A69
Length: 500mm

REF.	Description	Inner/Outer diameter of drain mm	Length of perforation on drain mm	Length of stainless steel introducer mm	Qty / Box
13001182	With Redon Drain FG 6	1.1/2.0	70	55	50
13002182	With Ulmer Drain FG 8	1.6/2.7	60	75	50

Drains and Trocar



Post-Op Drainage Tube

LARGE

Tube is transparent for easy observation of flow with 13 cm of perforation.

Double wrapped. Sterile, peel pack.

Post-Op Drainage Tube

WITH SINGLE CONNECTOR

Post Operative Drainage Tube

FOR VACUUM WOUND DRAINAGE

Tube is transparent for easy observation of flow, rounded open ends with 23 cm of perforation.

Double wrapped. Sterile, peel pack.

Post Operative Drainage Tube

FOR VACUUM WOUND DRAINAGE.

Transparent for easy observation of flow.

Tube has a X-ray opaque line for positioning, rounded open ends and 14 cm of perforation.

Double wrapped. Sterile, peel pack.

Post Operative Drain plus Trocar

Redon Drain FG 10 with X-ray line and stainless steel trocar.

REF.	Description	Tube size	OD mm	ID mm	Total Length	Qty/ Box
15061182	Ulmer Drain	FG 14	3.2	4.7	50 cm	10
15065182	Ulmer Drain	FG 18	4.2	6.0	50 cm	10

REF.	Description	Qty/ Box
263.36.125	Post-Op Drainage Tube – with Universal Connector	100

REF.	Description	Tube size	ID mm	Tip OD mm	Total Length	Qty/ Box
259.08.050	Post Operative Drainage Tube – 14cm perforation	FG 8	1.6	2.7	50 cm	250
259.10.049	Post Operative Drainage Tube – 14cm perforation	FG 10	1.9	3.3	50 cm	250
259.12.050	Post Operative Drainage Tube – 14cm perforation	FG 12	2.6	4.0	50 cm	250
259.14.050	Post Operative Drainage Tube – 14cm perforation	FG 14	3.2	4.7	50 cm	250
259.16.050	Post Operative Drainage Tube – 14cm perforation	FG 16	3.7	5.3	50 cm	250

REF.	Description	Tube size	ID mm	Tip OD mm	Total Length	Qty/ Box
260.10.130	Post Operative Drain plus Trocar	FG 10	1.5	3.3	130 cm	50
260.10.070	Post Operative Drain plus Trocar	FG 10	1.9	3.3	50 cm	25
260.14.070	Post Operative Drain plus Trocar	FG 14	3.2	4.7	50 cm	25
262.10.500	Silicone Drain	FG 10	2.2	3.3	50 cm	10
262.14.500	Silicone Drain	FG 14	3.2	4.7	50 cm	10