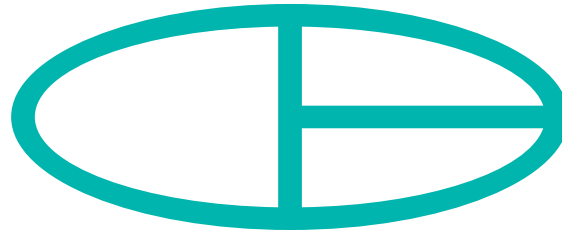


Medical Disposable Solutions

13th Edition





All products and product specifications identified in the product catalogue are based upon the information available to Bıçakcılar at the time of publication. Bıçakcılar reserves the right to discontinue any of these products or to change any such specifications without prior notice.

63 YEARS OF EXPERIENCE

Bıçakçılar is the leading disposable medical device and electro-medical device manufacturer in Turkey. The company was founded in 1959. Through the years, Bıçakçılar brand has gained wide acceptance and has established a tradition of sustained reliability and customer satisfaction.

As Bıçakçılar employees, together with our business partners, we serve our customers by manufacturing and supplying innovative, reliable and environment friendly medical devices. We diligently value our brand and its benefit to society.

Mission

Our compassion for healthy life is leading us to focus on innovative thinking and new technologies in order to provide medical devices that make living easier, more affordable and effective.

Vision

We believe in a world where everybody is taken care of, comfortable and happy, in sickness and in health.

Group Companies



Operates in manufacturing of disposable medical devices, electro-medical equipment, and distribution of medical devices from leading multinational brands. Manufacturing facilities are in İstanbul Esenyurt, whereas domestic sales and distribution is performed via regional sales branches in İstanbul, Ankara, İzmir, Samsun and Adana. Bıçakçılar Headquarters is in İstanbul.



Established in İstanbul, this company conducts the global marketing and sales operations of medical devices. Through its international dealer network, it offers sales and after-sales services in more than 100 countries worldwide.





BIÇAKÇILAR

 BIÇAKÇILAR

31.000m²

MANUFACTURING FACILITIES

Our Manufacturing Facilities

Our manufacturing facilities are located in a closed area of 31,000 m² constructed on a total area of 26,500 m² in Esenyurt, İstanbul. Bıçakçılar offers a wide range of sterile/non-sterile disposable medical devices and electro-medical devices.

Disposable medical device manufacturing is performed in clean-rooms with a total area of 4.226 m². Sterilization safety is ensured by bio-burden monitoring in these clean rooms. Ethylene oxide gas is used in sterilization process. Sterilization process is performed in-house with 'state-of-the-art' equipment and has been validated in conformity with ISO 11135. Disposable medical devices are packaged in clean-rooms using fully automatic packaging machines and packaging materials that maintain their sterile condition throughout their shelf life.

Disposable device division includes injection, extrusion, blow molding, assembly, packaging and sterilization departments whereas electro-medical equipment manufacturing division includes metal shop, machining, surface cleaning, drying, mechanical and electrical assembly departments. Pre-shipment storage in airconditioned 3.500 m² warehouses operates with around the clock humidity/temperature monitoring.

Raw material warehouses are temperature and humidity controlled areas meeting high industry standards. In-house mould design and production capability add strength and flexibility both in device design and development stages.

Sales Network

With a team of 100 people that work in the headquarters and 5 sales branches, Bıçakçılar owns the largest sales and distribution team in medical field in Turkey. Considering the significance of close relationship with users, it serves on 24/7 schedule with the target of continuous and optimum service.

Marketing team follows the developments in the world constantly, supports the required clinical trials, and supplies these to end-users, and thus pioneers the introduction of new products into the Turkish market.

100

EXPORT
COUNTRIES

Global Market Network

Bıçakçılar exports its medical devices to more than 100 countries all around the world.





Quality

Bıçakçılar Quality System complies with ISO 9001, EN ISO 13485, ISO 14001, and ISO 27001 has been certified by TÜV NORD, TÜV THÜRINGEN, and KIWA. Bıçakçılar products are CE marked. The company operates as a global brand.

Bıçakçılar medical disposable devices and electro-medical devices are produced according to GMP. Biocompatible raw materials used in production are in conformity to USP and ISO 10993 Standards. In-house acceptance controls are also performed to meet the stringent demands of our quality system.

When placing medical devices on the market or putting them into service, BİÇAKCILAR ensures that they have been designed and manufactured in compliance with the requirements of **2017/745 MDR**.

Quality Policy

Our quality policy in Bıçakçılar Tıbbi Cihazlar A.Ş. is:

- Innovative thinking is our mandate. Our research and development along with focus on competitiveness, we continuously develop ways of being more productive without any negative impact on quality.
- We fulfill all regulatory and normative requirements (e.g Medical Device Directive and ISO EN 13485 Standard).
- We guarantee compliance for our products as per international standards.
- We make sure that each employee in the organization shares the same mission, vision and strategy so that our corporate culture can only enhance our products and solution for our customers.
- The effectiveness of quality management systems is a top priority for our organisation to meet customer and regulatory requirements.
- We provide the resources for improvement of activities by reviewing the effectiveness of the available quality system and the quality targets which are created in line with the quality policy, on a continuous basis.
- We implement our quality system effectively in every phase of our processes to assure complete customer satisfaction.





Turquality®

TURQUALITY® is an ambitious project associated with bringing “Turkey” and “Quality” concepts together.

The project is initiated by the Turkish Government, Ministry of Economy, Turkish Exporters’ Assembly (TIM), and Istanbul Textile and Apparel Exporters’ Association (ITKIB). The initial legal framework was laid out publicly on January 12th, 2004.

TURQUALITY® is basically an accreditation system, which is designed not only for elevating the beneficiary companies to the level of international benchmarks, but also creating awareness on the internationally accepted values like quality and novelty that are actually carried by these brands.

As a “national brand-building program”, TURQUALITY®’s goal is to facilitate and support the success of Turkish brands on international arena.

To achieve these ambitious goals, TURQUALITY® program will broaden its vision to the wider concept of “quality in brand management” and emphasize its support services component with the inclusion of highly customized strategic coaching and consulting.

To support companies in their brand-building efforts, TURQUALITY® helps them to develop essential capabilities, competences, skills and resources necessary to fulfil such a complex commitment through both group and individual activities.

Bıçakcılar brand has been accredited under TURQUALITY® in 2016.



R&D Activities

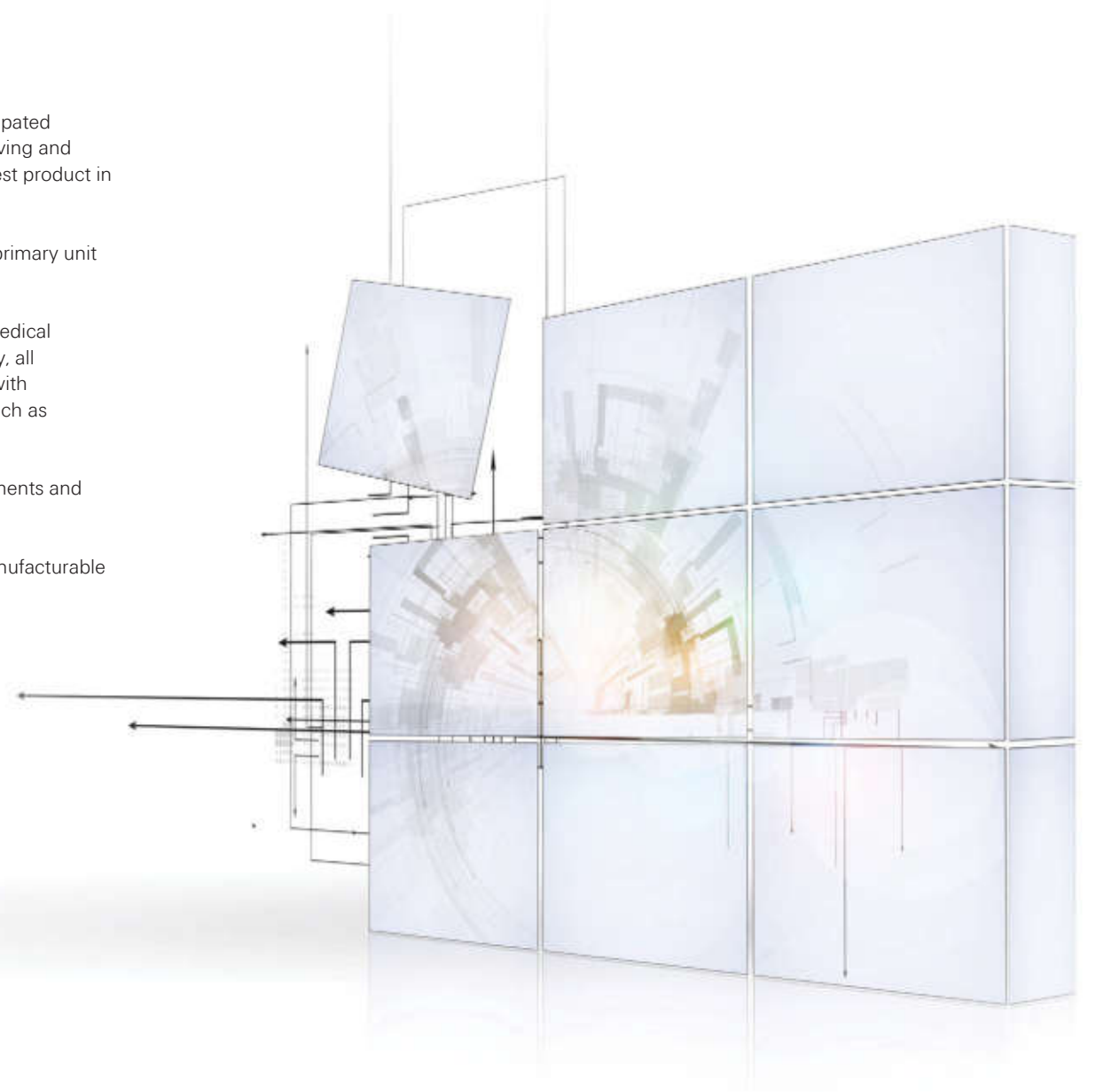
“Research, Development and Creative Thinking” are the milestones of the anticipated growth in the future. We have a solid R&D infrastructure that follows the improving and changing world and industry, and develops new product designs to offer the best product in optimum quality and at the best price.

R&D is the most significant element of company’s mission and vision, and the primary unit that receives the largest amount of investment in Bıçakçılar.

Along with the new product developments in disposable devices and electro-medical equipment, and strengthening and expansion of operations within the company, all activities are incorporated under the “R&D Center” structure, and cooperation with universities and technology transfer offices, as well as government institutes, such as TÜBİTAK are mainstream activities.

Our multidisciplinary R&D team monitors the new trends, market/user requirements and technological developments.

Our priority is to design and develop medical devices that are economically manufacturable with patient safety in mind.



Laboratory



Each stage of manufacturing is under the control of Bıçakçılar Quality Control Laboratory, which employs specialized staff working in line with the GLP rules, and modern equipment. This laboratory is accredited by Turkish Accreditation Institution (TÜRKAK).

Due to changing regulatory environment in healthcare industry both in Turkey and the world, Bıçakçılar Laboratory started to comply with all articles of ISO 17025 Standard in order to offer its know-how to the use of other Medical Device Manufacturers. Chemical Test Laboratory commenced its operation as of January 2005.

Bıçakçılar Quality Control Laboratory has been accredited to perform physical, chemical, bio-burden, sterility, stability, ETO residual, biocompatibility, cosmetic, cleanroom testing. Equipped with state-of-the-art technology and highly trained personnel.





Social Responsibility and Environment

Adopting increased environmental awareness, and protection of environment as main principles, Bıçakcılar Management established an Environmental Management System in order to conform manufacturing and operation to the environmental policy and targets.

Bıçakcılar Occupational Health and Safety- Environment Management System has been designed and documented in conformity with the terms of ISO 14001:2015 and OHSAS Standards. Compliance of Environment Management System with these standards is maintained while its efficiency is constantly enhanced.

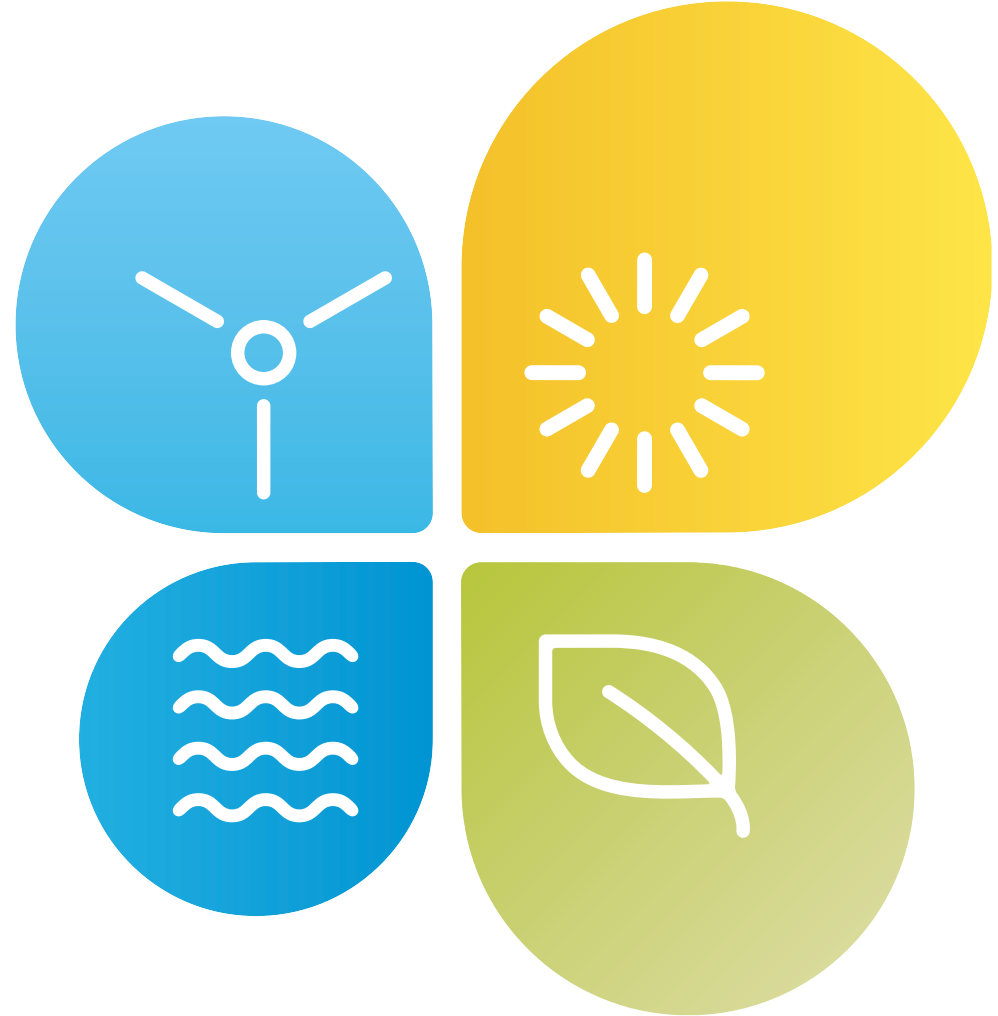
Environmental, Health and Safety Policy

As Bıçakcılar, having social responsibility, contribution to the national economy and to healthcare services, and being environmentally sensitive;

- Fully implement environmental and occupational safety laws,
- Create a culture that supports the system with effective leadership and responsibility,
- Control and end the negative effects on the environment and natural resources arising from our products, services and activities, and continue and further the positive effects,
- Protect natural resources, use them sparingly and develop recycling ways by reducing wastes,
- Take protective measures to eliminate the risks of work accidents and occupational diseases, with the participation of all our employees,
- Raise awareness of our employees and suppliers on environmental and occupational safety,
- Increase the competencies of our employees with continuous training and supportive programs.

Social Associations

that we cooperate with



Waste Treatment Facilities

In line with the sustainable development principle, Bıçakçılar constantly keeps environmental effects under control in order to leave a clean and healthy world to the next generations.

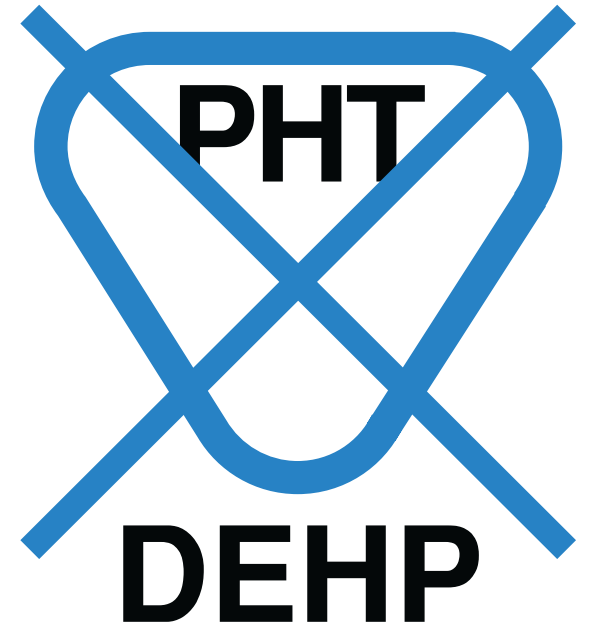
Bıçakçılar is the the first medical device manufacturing company in Turkey that has established an ethylene oxide treatment facility that operates through catalytic oxidation for the sterilization unit air emission.

Thanks to its waste management activities that reduce waste production in its own source, Bıçakçılar stores operational waste in its waste repositories that are specially designed for each waste stream, and disposes collected waste in conformity with regulations.

While maintaining its leader position in the Turkish medical device industry, it is also the primary target of Bıçakçılar to be a leader in the matters of environment and occupational health and safety.



DEHP-free Production



Unplasticised PVC is hard and brittle at room temperature. A plasticiser, softener, is typically added to increase flexibility of the polymer. Virtually all medical devices made from PVC utilise one plasticizer: DEHP. It has been known for a long time that DEHP can leach out of PVC, resulting in exposure to body tissues and fluids. The amount of DEHP that will leach out depends on temperature, the lipid content of the liquid and the duration of contact with the plastic.

It has been known that according to in vivo and in vitro research studies; DEHP or its metabolites result in adverse effects in the liver, reproductive tract, kidneys, lungs, and heart. DEHP seems to pose a relatively low risk of hepatic cancer in humans. However uncertainties about the relevance of the mechanism of action of DEHP-related carcinogenic effects in humans cannot be ruled out.

As a result of these developments, scientific research that continues today and customer demand, medical device industry started looking for alternatives to DEHP. DEHT has a significant market use experience in place of traditional DEHP. Also, DEHT has similar extraction values to DEHP in oil and hexane, lower in soapy water. Lower volatility than DEHP. The low temperature flexibility of DEHT in PVC is equal to that of DEHP. All relevant studies show that DEHT is not genotoxic, has no effect on irritation and sensitization. It is not absorbed from the GI tract upon oral exposure where it is rapidly excreted. This contrast to the metabolite profile of the ortho-phthalate DEHP which primarily undergoes hydrolysis to form the mono ester (MEHP) (Scientific Committee Report 2008). The report released in 2015 also concludes the same results.

“At doses where DEHP, BBP and DINP all altered sexual differentiation, DEHT was inactive”
European Commission, 2002

DEHT is not genotoxic (like its isomeric relative DEHP).

As a result of all these, customer demands for the DEHP-free medical devices cannot be ignored. Many manufacturers started to search for alternatives for DEHP as a plasticiser. Referring to the literature search, guidance documents and reports prepared by competitors, it can be easily seen that, DEHT is a well known and common plasticizer, as an alternative to DEHP. There is no evidence, showing any toxic effect in the literature. The literature findings show that the metabolites of DEHT are not toxic and it is not classified as a “phthalate”, so it can be concluded that this raw material does not carry any risk for pediatric and breast-feeding female patients.

Considering the strong market demand for DEHP-free product, we, as Bıçakçılar, have changed our product portfolio to DEHP-free constituents.

OPERATING ROOM (OR) AND INTENSIVE CARE UNIT (ICU)

Product	Page
Anesthesia	
Tracheal Tube Cuffed	18
Tracheal Tube Uncuffed	18
Reinforced Tracheal Tube Cuffed	19
Reinforced Tracheal Tube Uncuffed	19
RAE Tracheal Tube, Oral, Cuffed	20
RAE Tracheal Tube, Oral, Uncuffed	20
RAE Tracheal Tube, Nasal, Cuffed	21
RAE Tracheal Tube, Nasal, Uncuffed	21
Tracheal Tube Holder	22
Intubation Stylet	22
Guedel Airway	22
Tracheostomy Tube Cuffed	23
Tracheostomy Tube Uncuffed	23
B-Spiro 5000 Volumetric Exerciser	24
B-Spiro 2500 Volumetric Exerciser	24
B-Spiro Pediatric Volumetric Exerciser	25
B-Spiro Triball Flow metric Exerciser	25
Pressure Monitoring Sets	26-27
Umbilical Catheter	28
Oxygen Catheter	28
Nasal Oxygen Cannula	29
Gas Sampling Lines	29

Product	Page
Tracheal Suctioning	
Suction Catheter Beveled Tip	30
Suction Catheter Ideal Tip	30
Suction Catheter Ring Tip	31
Suction Catheter Coudé Tip	31
Suction Catheter w/ Vakon Connector Ideal Tip	32
Suction Catheter w/ Vakon II Connector Ideal Tip	32
Suction Catheter w/ Vacuum Control Connector	33
Suction Catheter w/ Kapkon Connector	33
Suction Catheter w/ Sleeve	34
Kapkon Connector	35
Meconium Aspiration Connector	35
Spigot I and II	35
Conical Connector	35
Trachea Suction Sets	36-37
Mucus Collector 40 ml	38
Mucus Collector 25 ml	39
OP Suctioning	
Yankauer Suction Set w/ Standard and Bulb Tip	40
Yankauer Suction Set w/ 20 Ch Tip	40
Yankauer Suction Set w/ Sump Tip	41
Suction Set w/ Poole Tip	41
Yankauer Suction Handle Standard and Bulb Tip	42
Yankauer Suction Handle 20 Ch Tip	42
Yankauer Suction Handle Sump Tip	43
Suction Set Poole Tip	43
Suction Connecting Tube w/ Standard Connector	44
Suction Connecting Tube w/ Standard & Kapkon Con.	44
Suction Connecting Tube w/ Conical Connector	45
Suction Connecting Tube w/ Cut-to-fit Connector	45
Suction Bag	46
Canister	47

Product	Page
Drainage	
B-Vak Wound Drainage System 400 ml	48
B-Vak Mini Wound Drainage System	49
Redon Drain	49
B-Vak Silicone Drainage Systems	50
B-Vak Silicone Drainage Reservoir	51
B-Vak Silicone Flat Drain	51
B-Vak Silicone Channeled Drain	51
T.U.R. Set	52
Arthroscopy Set	52
Thoracic Catheter w/ Trocar Standard Tip	53
Thoracic Catheter	53
BPDS-2000 Pleural Drainage System	54
BPDS-700 Pleural Drainage System	54
BTDS-2001 Thoracic Drainage System	55
BTDS-2002 Thoracic Drainage System	55
Gastroenterology	
Feeding Tube	56
Nasogastric Catheter Levin	56
Rectal Tube	57
Urology	
Urimeter 500 Plus Closed System	58
Urimeter 500	59
B3 Urine Bag With Bottom Outlet	60
B4 Urine Bag Closed System	60
Enema Set	61
Enema Bag	61
Nelaton Catheter	62
Tiemann Catheter	62

Product	Page
Other	
Vaginal Speculum II	63
Umbilical Cord Clamp	63

INFUSION

Product	Page
I.V. Cannula	64
Three Way Stopcock	65
Three Way Stopcock 1200 PSI	65
Manifold	65
Manifold Pressure	65
B-Flow Flow Regulator	66
B-Flow Flow Regulator w/ I.V. Infusion Set	66
B-Flow Safety Flow Regulator	67
B-Flow Safety Flow Regulator w/ I.V. Infusion Set	67
Central Venous Pressure Monitoring Set	68
Instopper	68
Stopper	68
Combi Stopper Female/ Male Cap	68
B-Safe Valve	69
B-Safe Vial Cap	69
B-Safe Spike	69
B-Safe Extension Line	70
B-Safe Extension Line Duo	70
B-Safe Extension Line Trio	71
B-Safe Extension Line w/ "T" Connector	71
B-Safe I.V. Filter Set	72
Transfer Set	72

Product	Page
Extension Line 250 PSI	73
Extension Line Smallbore 250 PSI	73
Extension Line w/ Three Way Stopcock	74
Extension Line w/ "T" Connector and Slide Clamp	74
Pressure Line 600 PSI w/ Slide Clamp	75
Pressure Line 800 PSI	75
Pressure Line 1200 PSI	75

BLOOD TRANSFUSION

Product	Page
B-Leuko Leukocyte Depletion Filter	76-77

CARDIOVASCULAR SURGERY

Product	Page
Extracorporeal Tubing Set	78
Quick Prime Set	79
Tubing PVC	79
Straight Connector	80
Y Connector	80
Tubing Connector 3/ 8" x 3/ 8"	81
Tubing Connector 3/ 8"x1/ 4"	81
Conical Connector	81
Cardioplegia Set	82-83
Vent Catheter	83
Ventricular Vent Catheters	84-86
Aortic Root Cannulae	87-88
Coronary Artery Perfusion Cannula	88
Cannulation Tourniquet Set	89
Vascular Tourniquet Set	90
Suction Wands	90
Cardioplegia Adapters	91
Coronary Artery Retraction Clip	92
Vessel Cannula	92
Surgical Braided Tape	93
Aortic Punch	93
Control Injector	94
Angiographic Set	94-95

Tracheal Tube

Cuffed

- ▶ For both oral and nasal intubation
- ▶ Atraumatic, soft rounded, beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth marks
- ▶ Radiopaque line
- ▶ Standard volume, low pressure cuff
- ▶ Special cuff design provides an efficient low pressure seal
- ▶ Valve integrated pilot pressure cuff with designated size and nominal outside diameter markings
- ▶ Standard connector
- ▶ Pre-assembled stylet option for easier intubation of the tracheal tube

Ref		Size	I.D. (mm)	O.D. (mm)
Without Stylet	With Stylet			
551 0030 1	551 1030 1	3.0	3.0	4.5
551 0035 1	551 1035 1	3.5	3.5	5.2
551 0040 1	551 1040 1	4.0	4.0	5.9
551 0045 1	551 1045 1	4.5	4.5	6.5
551 0050 1	551 1050 1	5.0	5.0	7.1
551 0055 1	551 1055 1	5.5	5.5	7.7
551 0060 1	551 1060 1	6.0	6.0	8.4
551 0065 1	551 1065 1	6.5	6.5	9.1
551 0070 1	551 1070 1	7.0	7.0	9.8
551 0075 1	551 1075 1	7.5	7.5	10.3
551 0080 1	551 1080 1	8.0	8.0	11.0
551 0085 1	551 1085 1	8.5	8.5	11.4
551 0090 1	551 1090 1	9.0	9.0	12.0
551 0095 1	551 1095 1	9.5	9.5	12.6
551 0100 1	551 1100 1	10.0	10.0	13.3



Tracheal Tube

Uncuffed

- ▶ For both oral and nasal intubation
- ▶ Atraumatic, soft rounded, beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth marks
- ▶ Vocal cord markings
- ▶ Radiopaque line
- ▶ Standard connector

Ref	Size	I.D. (mm)	O.D. (mm)
550 0020 1	2.0	2.0	3.0
550 0025 1	2.5	2.5	3.8
550 0030 1	3.0	3.0	4.5
550 0035 1	3.5	3.5	5.2
550 0040 1	4.0	4.0	5.9
550 0045 1	4.5	4.5	6.5
550 0050 1	5.0	5.0	7.1
550 0055 1	5.5	5.5	7.7
550 0060 1	6.0	6.0	8.4
550 0065 1	6.5	6.5	9.1
550 0070 1	7.0	7.0	9.8



Reinforced Tracheal Tube

Cuffed

- ▶ Metal reinforcing spiral within the wall of the entire tube helps to prevent the tube from kinking
- ▶ For both oral and nasal intubation
- ▶ Atraumatic, soft rounded, beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth marks
- ▶ Radiopaque
- ▶ Standard volume, low pressure cuff
- ▶ Special cuff design provides an efficient low pressure seal
- ▶ Valve integrated pilot pressure cuff with designated size and nominal outside diameter markings
- ▶ Standard connector
- ▶ Pre-assembled stylet option for easier intubation of the tracheal tube

Ref		Size	I.D. (mm)	O.D. (mm)
Without Stylet	With Stylet			
551 7030 1	551 2030 1	3.0	3.0	5.3
551 7035 1	551 2035 1	3.5	3.5	5.8
551 7040 1	551 2040 1	4.0	4.0	6.3
551 7045 1	551 2045 1	4.5	4.5	6.8
551 7050 1	551 2050 1	5.0	5.0	7.3
551 7055 1	551 2055 1	5.5	5.5	7.8
551 7060 1	551 2060 1	6.0	6.0	8.4
551 7065 1	551 2065 1	6.5	6.5	9.0
551 7070 1	551 2070 1	7.0	7.0	9.6
551 7075 1	551 2075 1	7.5	7.5	10.2
551 7080 1	551 2080 1	8.0	8.0	10.8
551 7085 1	551 2085 1	8.5	8.5	11.3
551 7090 1	551 2090 1	9.0	9.0	11.9
551 7095 1	551 2095 1	9.5	9.5	12.4



Reinforced Tracheal Tube

Uncuffed

- ▶ Metal reinforcing spiral within the wall of the entire tube helps to prevent the tube from kinking
- ▶ For both oral and nasal intubation
- ▶ Atraumatic, soft rounded, beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth marks
- ▶ Vocal cord markings
- ▶ Radiopaque
- ▶ Standard connector

Ref	Size	I.D. (mm)	O.D. (mm)
550 7030 1	3.0	3.0	5.3
550 7035 1	3.5	3.5	5.8
550 7040 1	4.0	4.0	6.3
550 7045 1	4.5	4.5	6.8
550 7050 1	5.0	5.0	7.3
550 7055 1	5.5	5.5	7.8
550 7060 1	6.0	6.0	8.4
550 7065 1	6.5	6.5	9.0
550 7070 1	7.0	7.0	9.6



RAE Tracheal Tube

Oral, Cuffed

- ▶ For oral intubation
- ▶ Preformed curve design
- ▶ Reduces risk of kinking
- ▶ Maximum security
- ▶ Improved surgical access
- ▶ Atraumatic, soft rounded beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth mark
- ▶ Radiopaque line
- ▶ Standard volume, low pressure cuff
- ▶ Special cuff design provides an efficient low pressure seal
- ▶ Valve integrated pilot pressure cuff with designated size and nominal outside diameter markings
- ▶ Standard connector

Ref	Size	I.D. (mm)	O.D. (mm)
551 8030 1	3.0	3.0	4.5
551 8035 1	3.5	3.5	5.2
551 8040 1	4.0	4.0	5.9
551 8045 1	4.5	4.5	6.5
551 8050 1	5.0	5.0	7.1
551 8055 1	5.5	5.5	7.7
551 8060 1	6.0	6.0	8.4
551 8065 1	6.5	6.5	9.1
551 8070 1	7.0	7.0	9.8
551 8075 1	7.5	7.5	10.3
551 8080 1	8.0	8.0	11.0
551 8085 1	8.5	8.5	11.4
551 8090 1	9.0	9.0	12.0



RAE Tracheal Tube

Oral, Uncuffed

- ▶ For oral intubation
- ▶ Preformed curve design
- ▶ Reduces risk of kinking
- ▶ Maximum security
- ▶ Improved surgical access
- ▶ Atraumatic, soft rounded beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth mark
- ▶ Vocal cord markings
- ▶ Radiopaque line
- ▶ Standard connector

Ref	Size	I.D. (mm)	O.D. (mm)
550 8030 1	3.0	3.0	4.5
550 8035 1	3.5	3.5	5.2
550 8040 1	4.0	4.0	5.9
550 8045 1	4.5	4.5	6.5
550 8050 1	5.0	5.0	7.1
550 8055 1	5.5	5.5	7.7
550 8060 1	6.0	6.0	8.4
550 8065 1	6.5	6.5	9.1
550 8070 1	7.0	7.0	9.8



RAE Tracheal Tube

Nasal, Cuffed

- ▶ For nasal intubation
- ▶ Preformed curve design
- ▶ Reduces risk of kinking
- ▶ Maximum security
- ▶ Improved surgical access
- ▶ Atraumatic, soft rounded beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth mark
- ▶ Radiopaque line
- ▶ Standard volume, low pressure cuff
- ▶ Special cuff design provides an efficient low pressure seal
- ▶ Valve integrated pilot pressure cuff with designated size and nominal outside diameter markings
- ▶ Standard connector



Ref	Size	I.D. (mm)	O.D. (mm)
551 8140 1	4.0	4.0	5.9
551 8145 1	4.5	4.5	6.5
551 8150 1	5.0	5.0	7.1
551 8155 1	5.5	5.5	7.7
551 8160 1	6.0	6.0	8.4
551 8165 1	6.5	6.5	9.1
551 8170 1	7.0	7.0	9.8
551 8175 1	7.5	7.5	10.3
551 8180 1	8.0	8.0	11.0

RAE Tracheal Tube

Nasal, Uncuffed

- ▶ For nasal intubation
- ▶ Preformed curve design
- ▶ Reduces risk of kinking
- ▶ Maximum security
- ▶ Improved surgical access
- ▶ Atraumatic, soft rounded beveled tip
- ▶ Murphy eye
- ▶ Accurate positioning depth mark
- ▶ Vocal cord markings
- ▶ Radiopaque line
- ▶ Standard connector



Ref	Size	I.D. (mm)	O.D. (mm)
550 8130 1	3.0	3.0	4.5
550 8135 1	3.5	3.5	5.2
550 8140 1	4.0	4.0	5.9
550 8145 1	4.5	4.5	6.5
550 8150 1	5.0	5.0	7.1
550 8155 1	5.5	5.5	7.7
550 8160 1	6.0	6.0	8.4
550 8165 1	6.5	6.5	9.1
550 8170 1	7.0	7.0	9.8

Tracheal Tube Holder

- ▶ Securely holds tube in the proper position
- ▶ Provides maximum patient comfort and easy access to the oral cavity
- ▶ Simple repositioning of the tube without removal of the holder
- ▶ Hypo allergic adhesive surface
- ▶ Three sizes available

Ref	Tracheal Tube Sizes
550 0005 2	4.5 - 5.0 - 5.5 - 6.0 - 6.5 mm
550 0006 2	7.0 - 7.5 - 8.0 - 8.5 mm
550 0007 2	9.0 - 9.5 - 10.0 mm



Intubation Stylet

- ▶ Malleable aluminium rod with a plastic sleeve which allows the stylet to be easily adapted to any desired shape
- ▶ Smooth outer sleeve permits easy insertion and withdrawal
- ▶ Choice of 3 sizes to fit all adult and pediatric tracheal tubes
- ▶ Soft distal tip

Ref	Size
550 0001 1	2.5 - 4.5 mm (Small)
550 0002 1	5.0 - 8.0 mm (Medium)
550 0003 1	8.5 - 10.0 mm (Large)

Guedel Airway

- ▶ Maintains airway through the oral cavity and pharynx
- ▶ Anatomically correct design
- ▶ Atraumatic soft-rounded edges
- ▶ Resists collapse
- ▶ Smooth inner and outer surfaces
- ▶ Bite block provides access for suction catheters
- ▶ Flexible to ensure dental protection
- ▶ Sterile and clean pack bulk packaging
- ▶ Color coded

Ref		Size	Length ISO	Color	
Sterile	Non-sterile				
900 0030 1	900 0030 3	000	3 cm	Lilac	
900 0040 1	900 0040 3	00	4 cm	Pink	
900 0050 1	900 0050 3	0	5 cm	Blue	
900 0060 1	900 0060 3	1	6 cm	Black	
900 0070 1	900 0070 3	2	7 cm	White	
900 0080 1	900 0080 3	3	8 cm	Green	
900 0090 1	900 0090 3	4	9 cm	Yellow	
900 0100 1	900 0100 3	5	10 cm	Red	
900 0110 1	900 0110 3	6	11 cm	Orange	



Tracheostomy Tube

Cuffed

- ▶ Swivel 15 mm connector provides easy handling
- ▶ Flexible neckplate with slits for strap insertion providing secure positioning
- ▶ Designated size and nominal outside diameter markings on the neckplate
- ▶ Reliable inflation apparatus comprising of inflating tube, pilot balloon, and a check-valve with luer connection
- ▶ Soft, thin-walled, high-volume, low-pressure cuff
- ▶ Atraumatic, soft rounded tip, transparent, curved cannula
- ▶ Clear radiopaque line facilitates to help spatial positioning
- ▶ Obturator to prevent tissue drag and lumen obstruction



Ref	Size	Length (mm)
555 0050 1	5.0	57
555 0055 1	5.5	57
555 0060 1	6.0	55
555 0065 1	6.5	61
555 0070 1	7.0	67
555 0075 1	7.5	73
555 0080 1	8.0	80
555 0085 1	8.5	84
555 0090 1	9.0	91
555 0095 1	9.5	94
555 0100 1	10.0	94

Tracheostomy Tube

Uncuffed

- ▶ Swivel 15 mm connector provides easy handling
- ▶ Flexible neckplate with slits for strap insertion providing secure positioning
- ▶ Designated size and nominal outside diameter markings on the neckplate
- ▶ Atraumatic, soft rounded tip, transparent, curved cannula
- ▶ Clear radiopaque line facilitates to help spatial positioning
- ▶ Obturator to prevent tissue drag and lumen obstruction



Ref	Size	Length (mm)
556 0050 1	5.0	57
556 0055 1	5.5	57
556 0060 1	6.0	55
556 0065 1	6.5	61
556 0070 1	7.0	67
556 0075 1	7.5	73
556 0080 1	8.0	80
556 0085 1	8.5	84
556 0090 1	9.0	91
556 0095 1	9.5	94
556 0100 1	10.0	94

B-Spiro 5000 Volumetric Exerciser

- ▶ Incentive lung exerciser for adult use
- ▶ 5000 ml inhaled air capacity
- ▶ Double side scaled chamber with inhalation piston
- ▶ Orange inhalation coach indicator with essential level marking
- ▶ Exercise target value indicator
- ▶ Flexible tubing with fixation slot
- ▶ Easy to clean mouthpiece with filter
- ▶ Compact, ergonomic and stable design
- ▶ Label for recording patient data



Ref

186 5000 2

B-Spiro 2500 Volumetric Exerciser

- ▶ Incentive lung exerciser for adolescent/ small-adult use
- ▶ 2500 ml inhaled air capacity
- ▶ Dual-sided easy to read scale
- ▶ Adjustable goal indicator
- ▶ Flexible tubing with insertion slot
- ▶ Easy to clean mouth piece with filter
- ▶ Wide base, sturdy design
- ▶ Label for recording patient data



Ref

186 2500 2

B-Spiro Pediatric Volumetric Exerciser

- ▶ Incentive lung exerciser for pediatric use
- ▶ 2500 ml inhaled air capacity
- ▶ Dual-sided easy to read scale
- ▶ Adjustable goal indicator
- ▶ Flexible tubing with insertion slot
- ▶ Easy to clean mouth piece with filter
- ▶ Wide base, sturdy design
- ▶ Label for recording patient data



Ref

186 2501 2

B-Spiro Triball Flowmetric Exerciser

- ▶ Incentive lung exerciser for pediatric and adult use
- ▶ Three color coded inhalation exercise balls with volume marked chambers
- ▶ Flow rate range from 600cc/sec, 900cc/sec and 1200cc/sec
- ▶ Compact design
- ▶ Air filter
- ▶ Flexible tubing with fixation slot
- ▶ Easy to clean mouthpiece
- ▶ Tuck-in mouthpiece holder



Ref

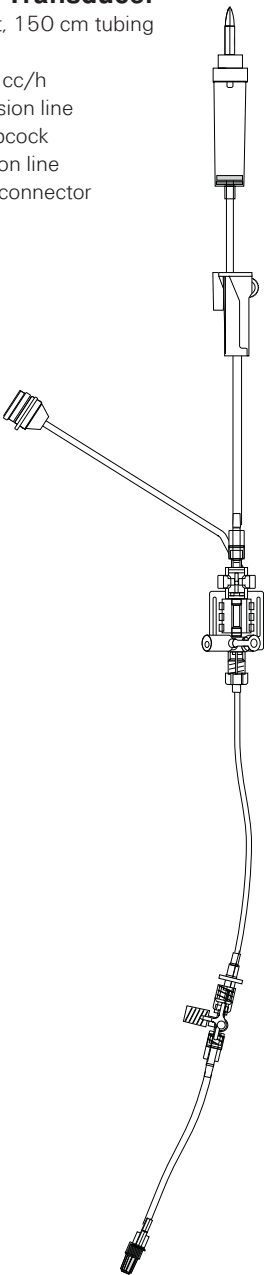
186 1200 2

Pressure Monitoring Sets

- ▶ Practical pressure monitoring for operating rooms, ICU and catheter laboratories
- ▶ Standard compenents allow pressure transmission without damping
- ▶ Secure attachments prevent contamination
- ▶ Non-compliant, kink resistant lines for optimum pressure readings
- ▶ Transparent components allow bubble detection
- ▶ Custom design

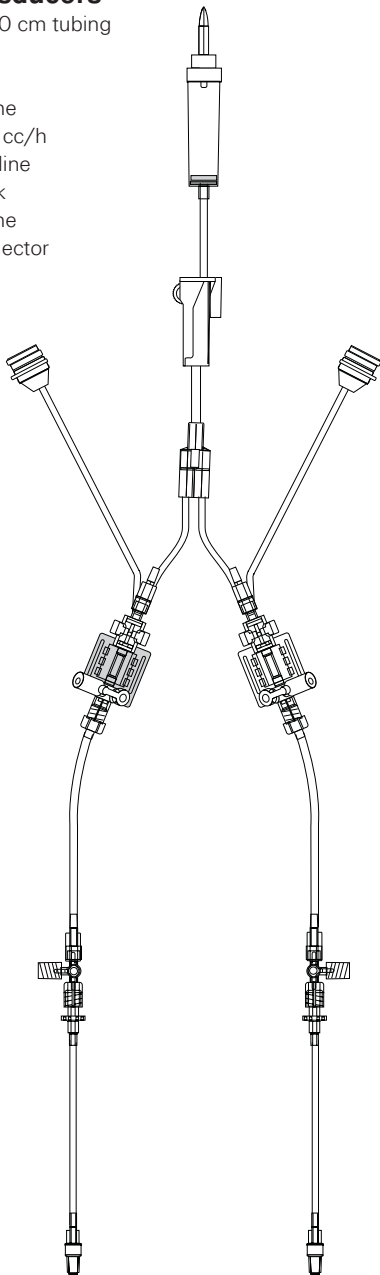
With Single Transducer

- ▶ I.V. Infusion set, 150 cm tubing
- ▶ Roller clamp
- ▶ Transducer - 3 cc/h
- ▶ 120 cm extension line
- ▶ Three way stopcock
- ▶ 30 cm extension line
- ▶ Male luer lock connector



With Two Transducers

- ▶ I.V. Infusion set, 100 cm tubing
- ▶ Roller clamp
- ▶ "Y" connector
- ▶ 40 cm extension line
- ▶ 2 ea transducer - 3 cc/h
- ▶ 120 cm extension line
- ▶ Three way stopcock
- ▶ 30 cm extension line
- ▶ Male luer lock connector



Ref	
400 1821 1	With Single Transducer
400 1822 1	With Two Transducers



Umbilical Catheter

- ▶ Radiopaque line
- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides atraumatic insertion and kink resistance
- ▶ Depth marks with 5 cm intervals at 5, 10, 15, 20, 25 and 30 cm from the distal end.
- ▶ Atraumatic, soft rounded open tip
- ▶ Connector cap to prevent backflow and contamination
- ▶ Color coded connector
- ▶ Length: 50 cm



Ref	Size	Color
198 0520 1	05 Ch	Grey 
198 0620 1	06 Ch	Light Green 
198 0820 1	08 Ch	Blue 

Oxygen Catheter

- ▶ Atraumatic, soft rounded, open distal tip
- ▶ Four lateral eyes
- ▶ Conical connector
- ▶ Length: 34 cm



Ref	Size	Color
563 0801 1	08 Ch	Blue 
563 1001 1	10 Ch	Black 
563 1201 1	12 Ch	White 
563 1401 1	14 Ch	Green 

Nasal Oxygen Cannula

- ▶ Soft and ergonomic nose piece
- ▶ Reduced risk of mucosa dehydration
- ▶ Flexible, kink resistant, 2.8 x 3.9 mm grooved tubing
- ▶ Star shaped tubing lumen prevents kinking
- ▶ Standard connector
- ▶ Comfortable and easy-to-use design
- ▶ Total length: 210 cm



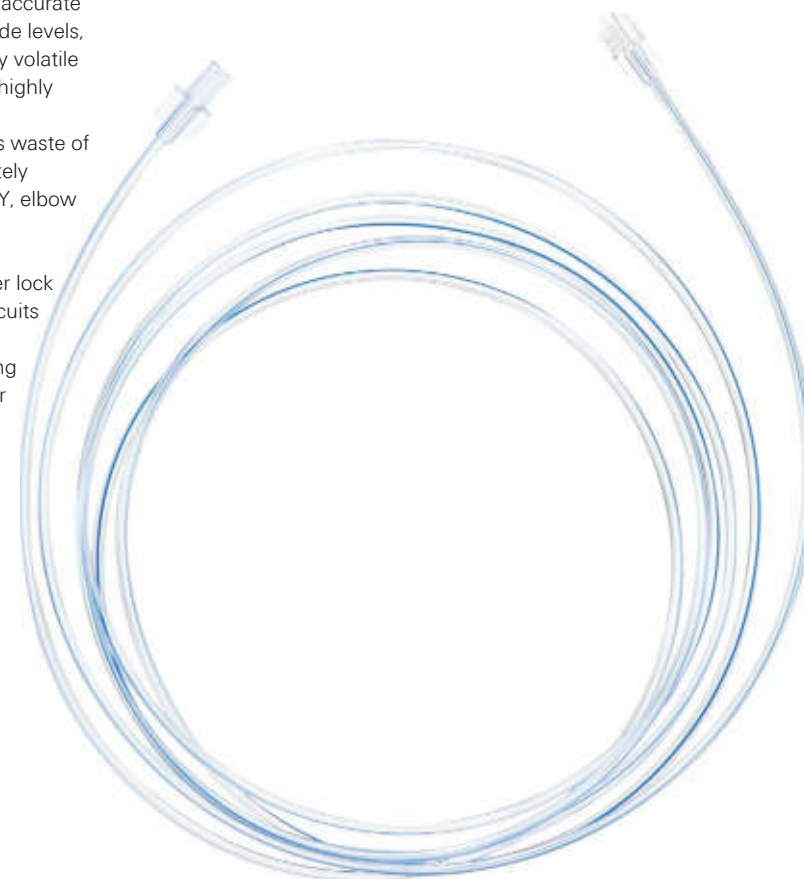
Star Shaped Tubing

Ref

560 2001 2

Gas Sampling Line

- ▶ Monitoring of inspiratory and expiratory gases can give crucial information on a ventilated patient status. In low flow anesthesia in particular, accurate measurement of carbondioxide levels, and inspiratory and expiratory volatile anesthetic concentrations is highly recommended.
- ▶ Economic and safe - Prevents waste of anesthetic gases and accurately measures CO₂ level through Y, elbow connector.
- ▶ Universal Connection - Most systems use a male/male luer lock configuration. Anesthesia circuits use a female luer lock which requires a male luer lock fitting on the gas line. Male/Male or Female end options.
- ▶ Length - The length is dependent on the distance from the point of attachment (anesthesia circuit) to the monitor. We are offering 2 and 3 meter sampling lines.
- ▶ Latex-free.



Ref	Connector	Length (m)
573 0071 1	M / F	2
573 0072 1	M / F	3
573 0061 1	M / M	2
573 0062 1	M / M	3

Suction Catheter

Beveled Tip

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, soft rounded, beveled open tip
- ▶ Two lateral eyes with smooth edges
- ▶ Color coded connector
- ▶ Length: 50 cm (40 and 60 cm are available)



Beveled Tip

Ref	Size	Color
190 0601 1	06 Ch	Light Green
190 0801 1	08 Ch	Blue
190 1001 1	10 Ch	Black
190 1201 1	12 Ch	White
190 1401 1	14 Ch	Green
190 1601 1	16 Ch	Orange
190 1801 1	18 Ch	Red
190 2001 1	20 Ch	Yellow

Suction Catheter

Ideal Tip

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Ideal tip reducing the risk of tissue damage
- ▶ Atraumatic, soft rounded, open tip
- ▶ Two lateral eyes with smooth edges
- ▶ Color coded connector
- ▶ Length: 50 cm (40 and 60 cm are available)



Ideal Tip

Ref	Size	Color
190 0685 1	06 Ch	Light Green
190 0885 1	08 Ch	Blue
190 1085 1	10 Ch	Black
190 1285 1	12 Ch	White
190 1485 1	14 Ch	Green
190 1685 1	16 Ch	Orange
190 1885 1	18 Ch	Red
190 2085 1	20 Ch	Yellow

Suction Catheter

Ring Tip

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Open ring tip for bronchial tissue protection
- ▶ Four small lateral eyes to prevent baro-trauma
- ▶ Color coded soft connector
- ▶ Length: 50 cm (40 and 60 cm are available)



Ring Tip

Ref	Size	Color	
190 1095 1	10 Ch	Black	
190 1295 1	12 Ch	White	
190 1495 1	14 Ch	Green	
190 1695 1	16 Ch	Orange	

Suction Catheter

Coudé Tip

- ▶ Angled tip for endobronchial suction procedures, providing easier access to the right or left bronchus
- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Ideal tip reducing the risk of tissue damage
- ▶ Atraumatic, soft rounded, open tip
- ▶ Two small relieving eyes
- ▶ Marker on funnel connector indicating direction of angled tip
- ▶ Color coded connector
- ▶ Length: 50 cm



Coudé Tip

Ref	Size	Color	
190 1065 1	10 Ch	Black	
190 1265 1	12 Ch	White	
190 1465 1	14 Ch	Green	
190 1665 1	16 Ch	Orange	

Suction Catheter

With Vakon Connector, Ideal Tip

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Metric type has accurate positioning depth marks at each cm starting 4 cm from the distal end
- ▶ Ideal tip reducing the risk of tissue damage
- ▶ Atraumatic, soft rounded, open tip
- ▶ Two small relieving eyes
- ▶ Vakon connector
 - Transparent for easy observation of secretions
 - Color coded
 - Prevents finger contamination
- ▶ Accepts 6.35 mm (1/4") connection
- ▶ Length: 50 cm (40 and 60 cm are available)



Ideal Tip

Ref		Size	Color	
Metric				
019 1190 1	190 0551 1	05 Ch	Grey	
019 1191 1	190 0651 1	06 Ch	Light Green	
019 1192 1	190 0751 1	07 Ch	Ivory	
019 1193 1	190 0851 1	08 Ch	Blue	
019 1194 1	190 1051 1	10 Ch	Black	
019 1195 1	190 1251 1	12 Ch	White	
019 1196 1	190 1451 1	14 Ch	Green	
019 1197 1	190 1651 1	16 Ch	Orange	
019 1198 1	190 1851 1	18 Ch	Red	

Suction Catheter

With Vakon II Connector, Ideal Tip

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Metric type has accurate positioning depth marks at each cm starting 4 cm from the distal end
- ▶ Ideal tip reducing the risk of tissue damage
- ▶ Atraumatic, soft rounded, open tip
- ▶ Two small relieving eyes
- ▶ Vakon connector
 - Color coded
 - Prevents finger contamination
- ▶ Accepts 6.35 mm (1/4") connection
- ▶ Length: 50 cm (40 and 60 cm are available)



Ideal Tip

Ref		Size	Color	
Metric				
019 1290 1	190 0581 1	05 Ch	Grey	
019 1291 1	190 0681 1	06 Ch	Light Green	
019 1292 1	190 0781 1	07 Ch	Ivory	
019 1293 1	190 0881 1	08 Ch	Blue	
019 1294 1	190 1081 1	10 Ch	Black	
019 1295 1	190 1281 1	12 Ch	White	
019 1296 1	190 1481 1	14 Ch	Green	
019 1297 1	190 1681 1	16 Ch	Orange	
019 1298 1	190 1881 1	18 Ch	Red	

Suction Catheter

With Vacuum Control Connector

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, soft rounded, beveled open tip
- ▶ Two lateral eyes with smooth edges
- ▶ Color coded vacuum control connector
- ▶ Length: 50 cm (40 and 60 cm are available)



Beveled Tip

Ref	Size	Color
191 0611 1	06 Ch	Light Green 
191 0811 1	08 Ch	Blue 
191 1011 1	10 Ch	Black 
191 1211 1	12 Ch	White 
191 1411 1	14 Ch	Green 
191 1611 1	16 Ch	Orange 
191 1811 1	18 Ch	Red 

Suction Catheter

With Kapkon Connector

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, soft rounded, beveled open tip
- ▶ Two lateral eyes with smooth edges
- ▶ Kapkon connector
 - Connector cap provides possibility of constant suction
 - Color coded
- ▶ Length: 50 cm (40 and 60 cm are available)



Beveled Tip

Ref	Size	Color
189 0611 1	06 Ch	Light Green 
189 0811 1	08 Ch	Blue 
189 1011 1	10 Ch	Black 
189 1211 1	12 Ch	White 
189 1411 1	14 Ch	Green 
189 1611 1	16 Ch	Orange 
189 1811 1	18 Ch	Red 

Suction Catheter

With Sleeve, Funnel and Vacuum Control Connector

- ▶ Polyvinyl chloride (PVC) catheter
- ▶ Sleeve designed to prevent microbial contamination
- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Beveled or ideal tip option
- ▶ Atraumatic, soft rounded, bevelled open tip
- ▶ Two lateral eyes with smooth edges
- ▶ Color coded connector
- ▶ Effective Length: 50 cm
- ▶ Made of Medical Grade Raw material



Beveled Tip



Ideal Tip

Ref			Size	Color
w/ Funnel Connector	w/ Funnel Connector (Ideal Tip)	w/ Vacuum Control Connector		
190 0615 1	190 0616 1	191 0617 1	06 Ch	Light Green
190 0815 1	190 0816 1	191 0817 1	08 Ch	Blue
190 1015 1	190 1016 1	191 1017 1	10 Ch	Black
190 1215 1	190 1216 1	191 1217 1	12 Ch	White
190 1415 1	190 1416 1	191 1417 1	14 Ch	Green
190 1615 1	190 1616 1	191 1617 1	16 Ch	Orange
190 1815 1	190 1816 1	191 1817 1	18 Ch	Red
190 2015 1	190 2016 1	191 2017 1	20 Ch	Yellow



▶ Suction Catheter with Protective Sleeve

is a single use, sterile medical device, consisting of a flexible tube, which can be fitted with a connector to a drainage system, for introduction into the respiratory tract to remove fluids/material by suction; suction catheter with protective sleeve, in addition, has a clear sleeve that envelopes the catheter. The sleeve protects the catheter from contamination by the user or the patient touching to the catheter shaft and the healthcare professionals from inhaling aerosol dispersion of microorganisms after completion of suctioning procedure and removal of the catheter from patient's airway. Suction catheter protective sleeve decreases the risk of contamination from microorganisms excreted in patient's airway secretions and protects the user and the nearby environment (room air and surfaces) from aerosol contamination.

▶ Intended Use

When patients are unable to mobilize their secretions, any secretions from the oropharynx and/or trachea may have to be suctioned to maintain a patent airway. In addition, patients with an artificial airway, such as those who have been intubated, usually require suctioning while they are on a ventilator. Suctioning may be performed through an endotracheal tube, tracheostomy tube or through the nose or mouth into the trachea. Although each procedure is slightly different, indications, supplies, procedures and risks are similar.

▶ Advantage Of The Sleeve For User

Eliminates risk of user/patient contact with catheter shaft and prevents spread of infectious disease agents 'via aerosol dispersion' into the nearby environment through containment of the catheter within the clear sleeve.

Kapkon Connector

- ▶ Transparent for easy observation of secretions
- ▶ Connector cap provides possibility of constant suction
- ▶ Accepts funnel connector 4 Ch - 18 Ch

Ref	
240 0001 1	Sterile
240 0001 3	Bulk



Meconium Aspiration Connector

- ▶ Designed to suctioning meconium
- ▶ Suction control thumb port for intermittent suctioning
- ▶ Attaches to neonatal endotracheal tube connector

Ref	
236 1001 1	



Spigot

- ▶ Closure for catheter funnel connectors from 6 Ch to 35 Ch

Ref		
Spigot I	Spigot II	
238 0001 1	238 0011 1	Sterile
238 0001 3	238 0011 3	Bulk



Conical Connector

- ▶ Luer lock proximal end
- ▶ Length: 40 mm



Ref	
235 0001 1	Sterile
235 0001 3	Bulk

Trachea Suction Set

With Male/Funnel Connectors

- ▶ Container for sampling of secretion from tracheal or bronchial tubes
- ▶ Transparent container provides clear observation of secretions
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Variety of connectors available to fit different suction catheters
- ▶ Self-adhesive label for patient identification info



Ref	
187 2001 1	With Male/ Funnel Connectors

Trachea Suction Set

With Funnel/Male Connectors

- ▶ Container for sampling of secretion from tracheal or bronchial tubes
- ▶ Transparent container provides clear observation of secretions
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Variety of connectors available to fit different suction catheters
- ▶ Self-adhesive label for patient identification info



Ref	
187 2101 1	With Funnel/ Male Connectors

Trachea Suction Set

With Funnel/Kapkon Connectors

- ▶ Container for sampling of secretion from tracheal or bronchial tubes
- ▶ Transparent container provides clear observation of secretions
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Variety of connectors available to fit different suction catheters
- ▶ Self-adhesive label for patient identification info



Ref

187 2201 1

Trachea Suction Set

Funnel/Kapkon, With Extra Container

- ▶ Container for sampling of secretion from tracheal or bronchial tubes
- ▶ Transparent container provides clear observation of secretions
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Variety of connectors available to fit different suction catheters
- ▶ Self-adhesive label for patient identification info



Ref

187 2301 1

Mucus Collector

40 ml

- ▶ 40 ml container for collecting secretions and mucus specimens using any suction device
- ▶ Transparent graduated container provides clear observation of secretions
- ▶ Removable connector prevents contamination from non-sterile suction tubes
- ▶ Kink resistant wide bore tubing to be connected with suction catheters
- ▶ Removable connector can be disposed with the suction tube
- ▶ The catheter connection tube can be connected with the suction port to close the circuit
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Self-adhesive label for patient identification info



Ref

187 4001 1

Mucus Collector

40 ml

- ▶ 40 ml container for collecting secretions and mucus specimens using any suction device
- ▶ Transparent graduated container provides clear observation of secretions
- ▶ 4 cm, 24 Ch tubing with green color vakon type adapter connected to 10 Ch oxygen catheter
- ▶ 14 Ch, 90 cm suction catheter with funnel connector connected to 1.5 cm, 18 Ch tubing
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Self-adhesive label for patient identification info



Extra cap



Ref

018 5040 1

Mucus Collector

25 ml

- ▶ 25 ml container for sampling of secretion for microbiological and cytological examinations from trachea, bronchi and trachea/bronchial tubes
- ▶ Transparent graduated container provides clear observation of secretions
- ▶ Variety of connectors available to fit different suction catheters with male/funnel connectors
- ▶ Tubing with conical connector
- ▶ Extra cap ensuring safe sealing of sample container
- ▶ Self-adhesive label for patient identification info



Extra cap



Self-adhesive label



With Conical/Funnel Connectors

With Funnel/Conical Connectors

With Funnel/Kapkon Connectors

Ref	
187 2401 1	With Conical/ Funnel Connectors
187 2402 1	With Funnel/ Conical Connectors
187 2403 1	With Funnel/ Kapkon Connectors

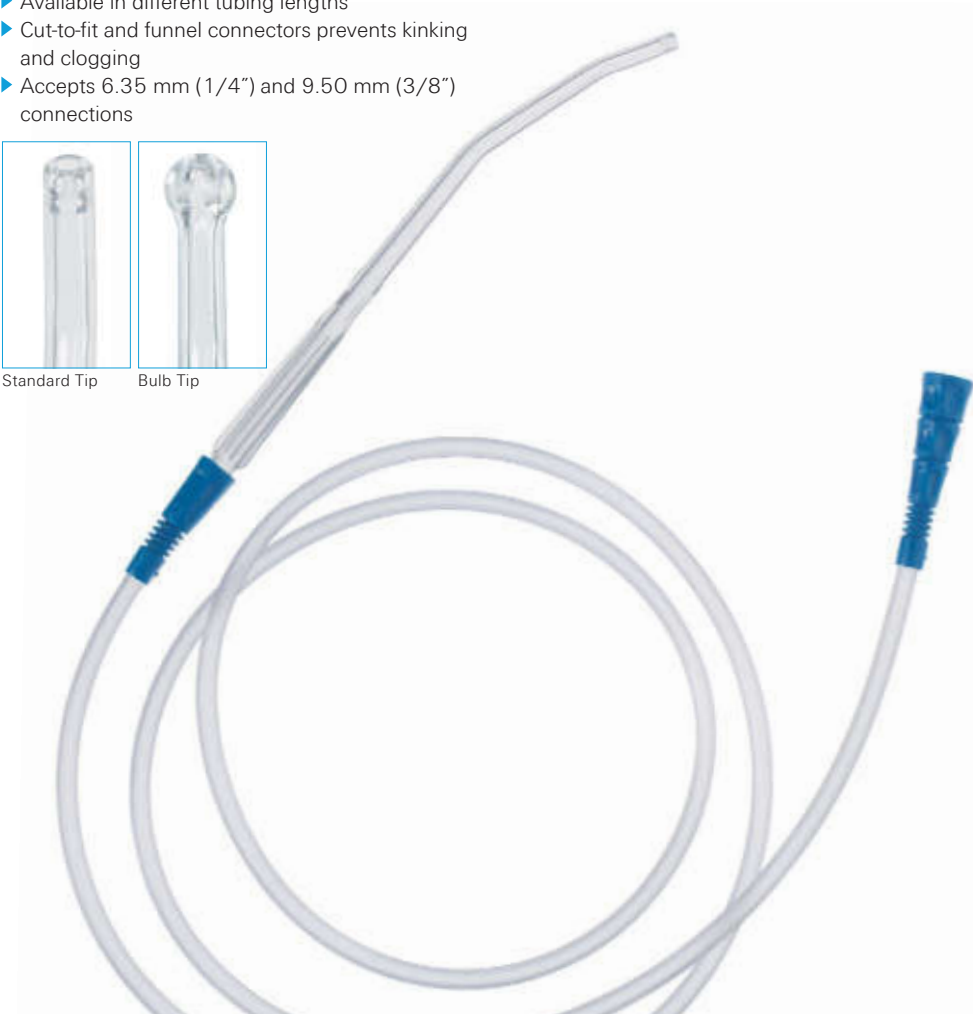
Yankauer Suction Set

With Standard and Bulb Tip

- ▶ Standard and bulb tip Yankauer suction handle
- ▶ 24 Ch (Ø 5.6 x 8.0 mm) kink resistant tubing
- ▶ Available in different tubing lengths
- ▶ Cut-to-fit and funnel connectors prevents kinking and clogging
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



Standard Tip Bulb Tip

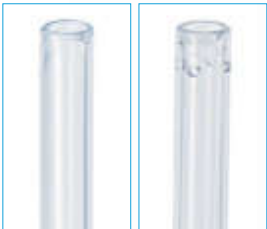


Ref			
w/ Standard Tip		w/ Bulb Tip	
Double Pouch	PE Band		
165 2210 1	165 0210 1	164 0210 1	Without Vacuum Control
165 3210 1	165 1210 1	164 1210 1	With Vacuum Control

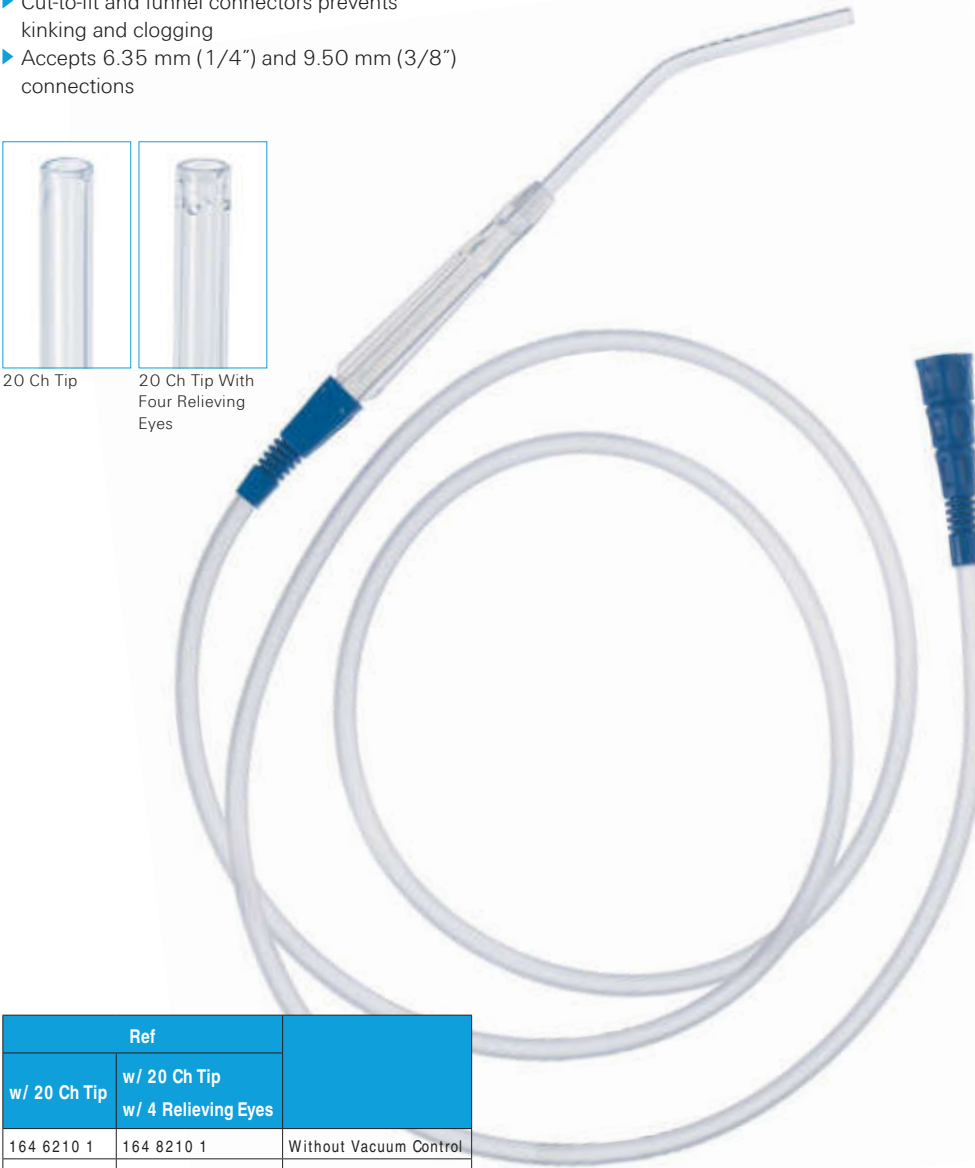
Yankauer Suction Set

With 20 Ch Tip

- ▶ 20 Ch tip Yankauer suction handle
- ▶ 24 Ch (Ø 5.6 x 8.0 mm) kink resistant tubing
- ▶ Cut-to-fit and funnel connectors prevents kinking and clogging
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



20 Ch Tip 20 Ch Tip With
Four Relieving
Eyes



Ref		
w/ 20 Ch Tip	w/ 20 Ch Tip w/ 4 Relieving Eyes	
164 6210 1	164 8210 1	Without Vacuum Control
164 5210 1	164 7210 1	With Vacuum Control

Yankauer Suction Set

With Sump Tip

- ▶ Sump tip Yankauer suction handle
- ▶ 24 Ch (Ø 5.6 x 8.0 mm) kink resistant tubing
- ▶ Cut-to-fit and funnel connectors prevents kinking and clogging
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



Sump Tip



Ref	
164 4210 1	Without Vacuum Control
164 3210 1	With Vacuum Control

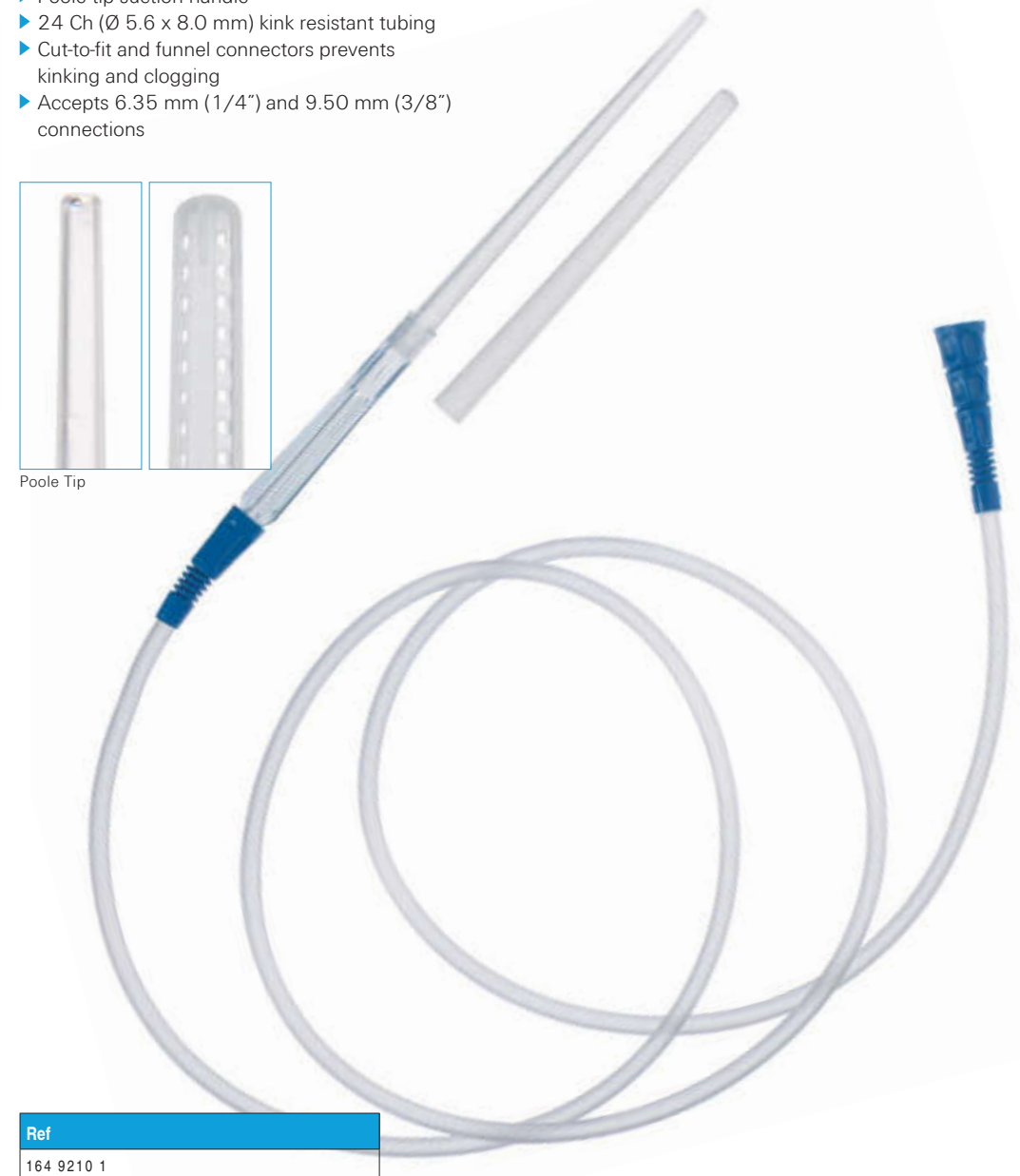
Suction Set

With Poole Tip

- ▶ Poole tip suction handle
- ▶ 24 Ch (Ø 5.6 x 8.0 mm) kink resistant tubing
- ▶ Cut-to-fit and funnel connectors prevents kinking and clogging
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



Poole Tip



Ref	
164 9210 1	

Yankauer Suction Handle

Standard and Bulb Tip

- ▶ Standard tip and bulb tip and optional vacuum control feature allow multipurpose use
- ▶ One piece ergonomic design
- ▶ Rigid material
- ▶ 4 relieving eyes
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



Standard Tip Bulb Tip

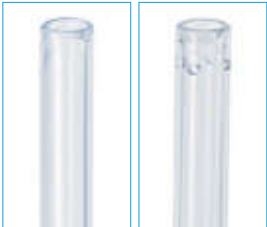
Ref		
Standard Tip	Bulb Tip	
160 0001 1	161 0001 1	Without Vacuum Control
160 1001 1	161 1001 1	With Vacuum Control



Yankauer Suction Handle

20 Ch Tip

- ▶ 20 Ch tip for operations causing profuse bleeding and for general atraumatic surgical suction
- ▶ Optional finger tip vacuum control feature
- ▶ Ergonomic handle design
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



20 Ch Tip 20 Ch Tip With Four Relieving Eyes

Ref		
20 Ch Tip	20 Ch Tip w/ 4 Relieving Eyes	
160 0101 1	160 0102 1	Without Vacuum Control
160 1101 1	160 1102 1	With Vacuum Control



Yankauer Suction Handle

Sump Tip

- ▶ Sump tip for greater suction during thoracic and gastrointestinal surgery
- ▶ Optional finger tip vacuum control feature
- ▶ Ergonomic handle design
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



Sump Tip



Ref	
161 0101 1	Without Vacuum Control
161 1101 1	With Vacuum Control

Suction Handle

Poole Tip

- ▶ Poole tip for central profuse bleeding and abdominal thoracic, gynecological and hepatic surgeries
- ▶ Ergonomic handle design
- ▶ Sunken eyes provide atraumatic suction
- ▶ Inner tube with open tip and two side holes
- ▶ Transparent detachable poole offers easy observation of flow
- ▶ Accepts 6.35 mm (1/4") and 9.50 mm (3/8") connections



Poole Tip



Ref	
161 0111 1	

Suction Connecting Tube

With Standard Connector

- ▶ Standard connectors
- ▶ 24 Ch or 30 Ch kink resistant tubing
- ▶ Available in different tubing lengths



24 Ch 30 Ch

Ref	Size	Ø (mm)	Length
168 4180 1	24 Ch	5.6 x 8.0	180 cm
168 4210 1	24 Ch	5.6 x 8.0	210 cm
168 4250 1	24 Ch	5.6 x 8.0	250 cm
168 4300 1	24 Ch	5.6 x 8.0	300 cm
168 4350 1	24 Ch	5.6 x 8.0	350 cm
169 4180 1	30 Ch	7.0 x 10.0	180 cm
169 4210 1	30 Ch	7.0 x 10.0	210 cm
169 4250 1	30 Ch	7.0 x 10.0	250 cm
169 4300 1	30 Ch	7.0 x 10.0	300 cm
169 4350 1	30 Ch	7.0 x 10.0	350 cm

Suction Connecting Tube

With Standard and Kapkon Connector

- ▶ Standard and kapkon connectors
- ▶ 24 Ch or 30 Ch kink resistant tubing
- ▶ Available in different tubing lengths



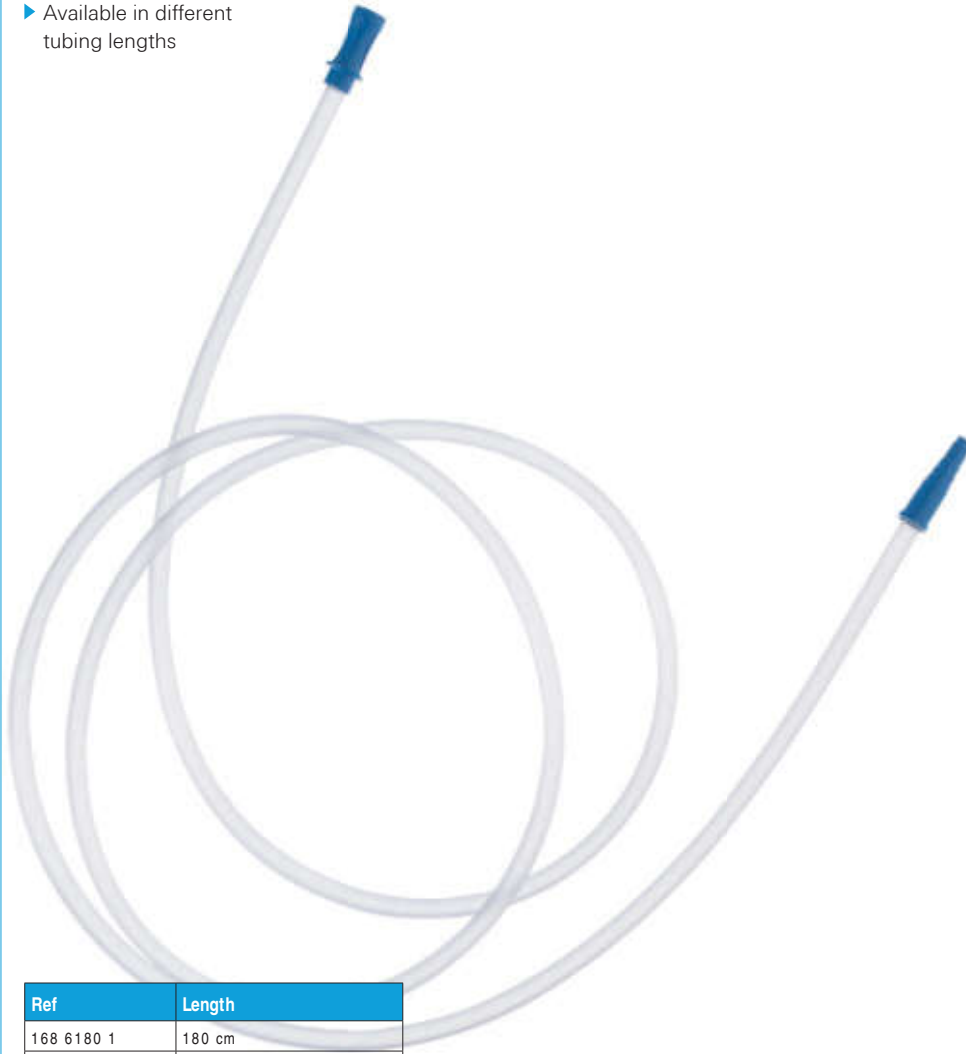
With Kapkon-2 Connector

Ref		Size	Ø (mm)	Length
Kapkon-1	Kapkon-2			
168 3180 1	168 5180 1	24 Ch	5.6 x 8.0	180 cm
168 3210 1	168 5210 1	24 Ch	5.6 x 8.0	210 cm
168 3250 1	168 5250 1	24 Ch	5.6 x 8.0	250 cm
168 3300 1	168 5300 1	24 Ch	5.6 x 8.0	300 cm
168 3350 1	168 5350 1	24 Ch	5.6 x 8.0	350 cm
169 3180 1		30 Ch	7.0 x 10.0	180 cm
169 3210 1		30 Ch	7.0 x 10.0	210 cm
169 3250 1		30 Ch	7.0 x 10.0	250 cm
169 3300 1		30 Ch	7.0 x 10.0	300 cm
169 3350 1		30 Ch	7.0 x 10.0	350 cm

Suction Connecting Tube

With Conical Connector

- ▶ Standard and conical connectors
- ▶ 24 ch (Ø 5.6 x 8.0 mm) kink resistant tubing
- ▶ Available in different tubing lengths

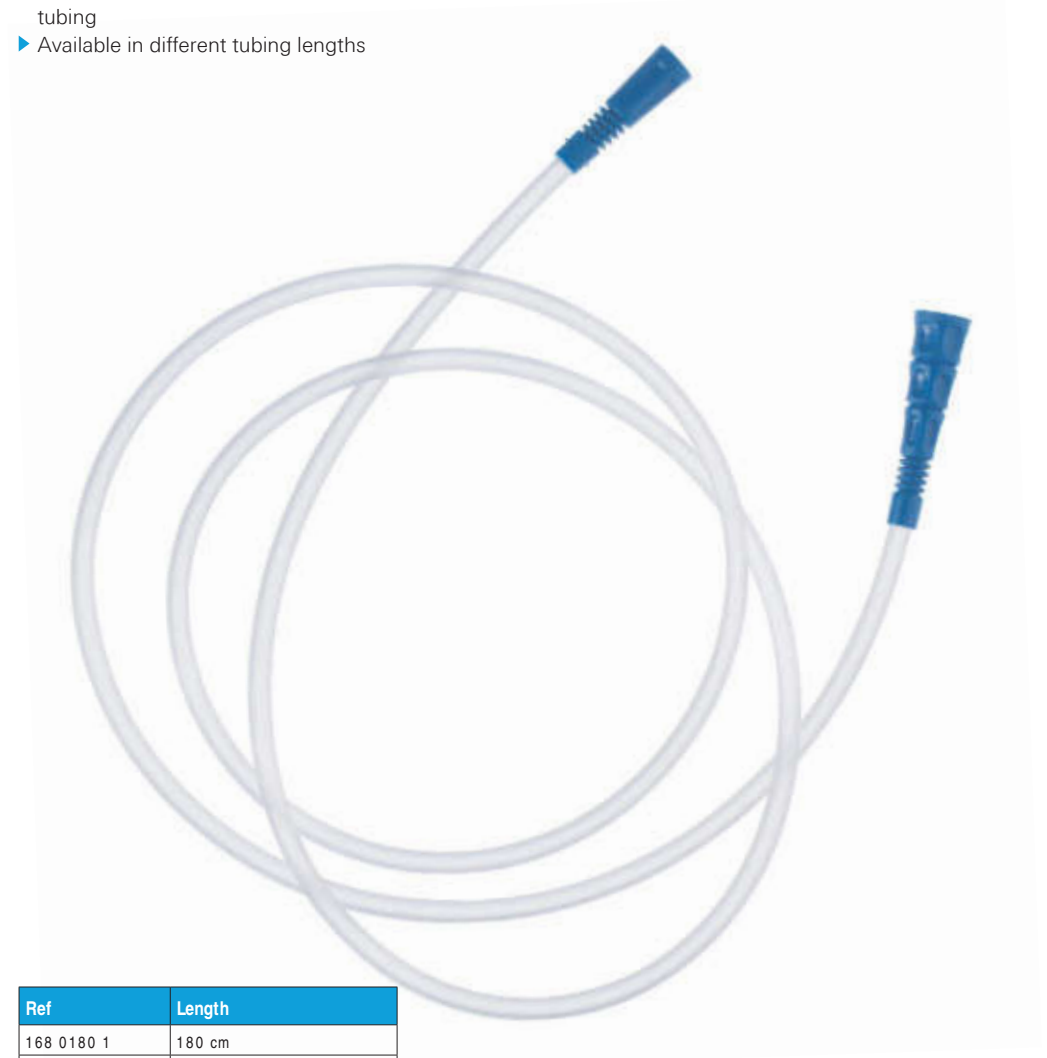


Ref	Length
168 6180 1	180 cm
168 6210 1	210 cm
168 6250 1	250 cm
168 6300 1	300 cm
168 6350 1	350 cm

Suction Connecting Tube

With Cut-to-fit Connector

- ▶ Cut-to-fit and funnel connectors prevent kinking and clogging
- ▶ 24 ch (Ø 5.6 x 8.0 mm) kink resistant tubing
- ▶ Available in different tubing lengths



Ref	Length
168 0180 1	180 cm
168 0210 1	210 cm
168 0250 1	250 cm
168 0300 1	300 cm
168 0350 1	350 cm

Suction Bag

- ▶ For hygienic disposal of aspirated secretions and liquids from patients during medical procedures
- ▶ Closed suction system
- ▶ Easy, practical and hygienic use
- ▶ Overfill blocking and bacteria holder hydrophobic bacteria filter
- ▶ Suitable for serial connection
- ▶ Sampling port
- ▶ Transport handle
- ▶ 1000 ml, 2000 ml and 3000 ml collecting capacities
- ▶ Extra durable
- ▶ Suction connecting tube options available upon request
- ▶ Solidifying agents available upon request
- ▶ Antifoam

Standard	Ref		Capacity	Connector	Tubing Length
	With Solidifying Agent				
163 1501 2	163 4501 2	1000 ml	Kapkon	180 cm	
163 1601 2	163 4601 2	1000 ml	Standard	180 cm	
163 1701 2	163 4701 2	1000 ml	Conical	180 cm	
163 2501 2	163 5801 2	2000 ml	Kapkon	180 cm	
163 2601 2	163 5601 2	2000 ml	Standard	180 cm	
163 2603 2		2000 ml	Standard	300 cm	
163 2701 2	163 5701 2	2000 ml	Conical	180 cm	
163 2802 2	163 5802 2	2000 ml	Kapkon	210 cm	
163 2803 2	163 5803 2	2000 ml	Kapkon	300 cm	
163 3501 2	163 6501 2	3000 ml	Kapkon	180 cm	
163 3601 2	163 6601 2	3000 ml	Standard	180 cm	
163 3701 2	163 6701 2	3000 ml	Conical	180 cm	
163 3801 2	163 6801 2	3000 ml	Kapkon	180 cm	
163 3802 2	163 6802 2	3000 ml	Kapkon	210 cm	
SER-57157		1000 ml			
SER-57167		2000 ml			
SER-57187		3000 ml			



Canister

- ▶ For suction bags
- ▶ Transparent
- ▶ Mobile stand and wall or rail mount use options
- ▶ Graduated in ml
- ▶ 1000 ml, 2000 ml and 3000 ml collecting capacities
- ▶ Can be autoclaved at 121°C or washed in 85°C

Serres



Ref	Capacity
SER-57308	1000 ml
SER-57328	2000 ml
SER-57348	3000 ml

B-Vak Wound Drainage System

400 ml

- ▶ For low pressure wound drainage
- ▶ Approximately 400 ml bellow capacity
- ▶ Volume indicator marks
- ▶ Easy discharge of air and contents
- ▶ Cut-to-fit connector
- ▶ Radiopaque redon drain



Ref				Drain Size	Drain I.D.
Without Trocár	With 1 Trocar	With 1 Trocar and 2 Drains	With 2 Trocars		
171 0801 1	171 0811 1	017 0906 1	171 0821 1	08 Ch	1.5 mm
171 1001 1	171 1011 1	017 0903 1	171 1021 1	10 Ch	1.8 mm
171 1201 1	171 1211 1	017 0902 1	171 1221 1	12 Ch	2.0 mm
171 1401 1	171 1411 1	017 0901 1	171 1421 1	14 Ch	2.5 mm
171 1601 1	171 1611 1	017 0904 1	171 1621 1	16 Ch	3.3 mm
171 1801 1	171 1811 1	017 0905 1	171 1821 1	18 Ch	4.0 mm

B-Vak Mini Wound Drainage System

- ▶ For low pressure wound drainage
- ▶ Approximately 25 ml bellow capacity
- ▶ Easy discharge of air and contents
- ▶ Radiopaque redon drain and stainless steel needle
- ▶ Color coded connector



Ref	Drain Size	Drain I.D.	Color
173 0611 1	06 Ch	1.0 mm	Green ■
173 0811 1	08 Ch	1.4 mm	Blue ■
173 1011 1	10 Ch	1.7 mm	Black ■

Redon Drain

- ▶ Appropriate degree of hardness provides kink resistance and easy insertion
- ▶ Atraumatic, soft rounded open tip
- ▶ Cross-perforated
- ▶ Radiopaque line
- ▶ Cm depth marks
- ▶ Length: 50 cm



Ref	Drain Size	Drain I.D.
790 0601 1	06 Ch	1.0 mm
790 0801 1	08 Ch	1.5 mm
790 1001 1	10 Ch	1.8 mm
790 1201 1	12 Ch	2.0 mm
790 1401 1	14 Ch	2.5 mm
790 1601 1	16 Ch	3.3 mm
790 1801 1	18 Ch	4.0 mm



B-Vak Silicone Drainage System

- ▶ For low pressure wound drainage
- ▶ 100% medical grade silicone
- ▶ Superior biocompatibility
- ▶ Minimizes tissue trauma
- ▶ Flat and channeled drain options
- ▶ Available with and without trocar
- ▶ Simple set-up
- ▶ Ergonomic easy to use hanging clip
- ▶ Effortless suction activation
- ▶ Anti-reflux valve to prevent backflow
- ▶ Clear reservoir and legible graduations
- ▶ 100ml / 200ml / 400ml drainage reservoir options
- ▶ 400ml reservoir has dual-inlet ports to allow double drain connection without the use of a "Y" connector



With Channeled Drain



Ref	Capacity	Drain Type	Drain Size	Trocar
171 3122 1	100 ml	Flat	7 mm	w/ o Trocar
171 3123 1	100 ml	Flat	10 mm	w/ o Trocar
171 3132 1	100 ml	Flat	7 mm	w/ Trocar
171 3133 1	100 ml	Flat	10 mm	w/ Trocar
171 3222 1	200 ml	Flat	7 mm	w/ o Trocar
171 3223 1	200 ml	Flat	10 mm	w/ o Trocar
171 3232 1	200 ml	Flat	7 mm	w/ Trocar
171 3233 1	200 ml	Flat	10 mm	w/ Trocar
171 3322 1	400 ml	Flat	7 mm	w/ o Trocar
171 3323 1	400 ml	Flat	10 mm	w/ o Trocar
171 3332 1	400 ml	Flat	7 mm	w/ Trocar
171 3333 1	400 ml	Flat	10 mm	w/ Trocar
171 3126 1	100 ml	Channeled	10 Ch	w/ o Trocar
171 3127 1	100 ml	Channeled	15 Ch	w/ o Trocar
171 3128 1	100 ml	Channeled	19 Ch	w/ o Trocar
171 3129 1	100 ml	Channeled	24 Ch	w/ o Trocar
171 3136 1	100 ml	Channeled	10 Ch	w/ Trocar
171 3137 1	100 ml	Channeled	15 Ch	w/ Trocar
171 3138 1	100 ml	Channeled	19 Ch	w/ Trocar
171 3139 1	100 ml	Channeled	24 Ch	w/ Trocar
171 3226 1	200 ml	Channeled	10 Ch	w/ o Trocar
171 3227 1	200 ml	Channeled	15 Ch	w/ o Trocar
171 3228 1	200 ml	Channeled	19 Ch	w/ o Trocar
171 3229 1	200 ml	Channeled	24 Ch	w/ o Trocar
171 3236 1	200 ml	Channeled	10 Ch	w/ Trocar
171 3237 1	200 ml	Channeled	15 Ch	w/ Trocar
171 3238 1	200 ml	Channeled	19 Ch	w/ Trocar
171 3239 1	200 ml	Channeled	24 Ch	w/ Trocar
171 3326 1	400 ml	Channeled	10 Ch	w/ o Trocar
171 3327 1	400 ml	Channeled	15 Ch	w/ o Trocar
171 3328 1	400 ml	Channeled	19 Ch	w/ o Trocar
171 3329 1	400 ml	Channeled	24 Ch	w/ o Trocar
171 3336 1	400 ml	Channeled	10 Ch	w/ Trocar
171 3337 1	400 ml	Channeled	15 Ch	w/ Trocar
171 3338 1	400 ml	Channeled	19 Ch	w/ Trocar
171 3339 1	400 ml	Channeled	24 Ch	w/ Trocar

B-Vak Silicone Drainage Reservoir

- ▶ For low pressure wound drainage
- ▶ 100% medical grade silicone
- ▶ Superior biocompatibility
- ▶ Minimizes tissue trauma
- ▶ Simple set-up
- ▶ Ergonomic easy to use hanging clip
- ▶ Effortless suction activation
- ▶ Anti-reflux valve to help prevent backflow
- ▶ Clear reservoir and legible graduations
- ▶ 100ml / 200ml / 400ml drainage reservoir options
- ▶ 400ml reservoir has dual-inlet ports to allow double drain connection without the use of a "Y" connector



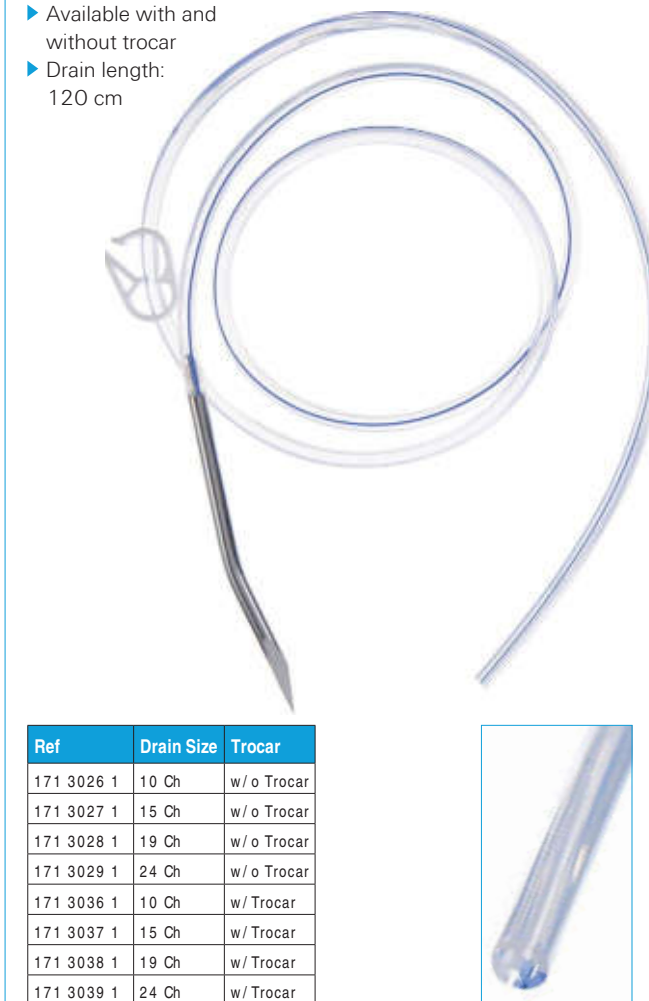
B-Vak Silicone Flat Drain

- ▶ 100% medical grade silicone
- ▶ Superior biocompatibility
- ▶ Soft, kink-resistant tubing
- ▶ Multiple drainage holes
- ▶ Inner lumen ribbing to help prevent drain collapse
- ▶ Two-piece design
- ▶ Available in 7 mm and 10 mm sizes
- ▶ Full perforation
- ▶ Radiopaque for x-ray detection
- ▶ Available with and without trocar
- ▶ Drain length: 111 cm



B-Vak Silicone Channeled Drain

- ▶ 100% medical grade silicone
- ▶ Four free-flowing channel design offers optimized drainage
- ▶ Improved contact with affected tissues
- ▶ Providing high tensile strength
- ▶ A no-hole design for minimum tissue growth
- ▶ Available 10-15-19 -24 Fr hubless sizes
- ▶ Radiopaque line
- ▶ Available with and without trocar
- ▶ Drain length: 120 cm



T.U.R. Set

- ▶ Non-vented spikes
- ▶ Clamps and "Y" connector
- ▶ Luer lock port cap on the connector to purge air out
- ▶ Proximal tip with soft PVC tubing and rotating luer lock connector
- ▶ Total length: 220 cm



Ref

430 0001 1

Arthroscopy Set

- ▶ Non-vented spikes
- ▶ Clamps and "Y" connector
- ▶ Luer lock port cap on the connector to purge air out
- ▶ Proximal tip with soft PVC tubing and rotating luer lock connector
- ▶ Manual pressure pump
- ▶ Total length: 220 cm (with manual pressure pump)



Manual pressure pump



Ref

450 0001 1

Thoracic Catheter

With Trocar, Standard Tip

- ▶ Trocar with tri-faceted cutting tip
- ▶ Flexible tubing wall provides leak proof tissue/tubing interface and easy milking
- ▶ Tapered tip for easy and safe insertion
- ▶ Cross side eyes to prevent tissue aspiration
- ▶ Radiopaque line
- ▶ Accurate positioning depth marks at each cm starting 2 cm from the distal end
- ▶ Integral large bore tapered connector



Ref	Size	Length
184 1201 1	12 Ch	225 mm
184 1601 1	16 Ch	235 mm
184 2001 1	20 Ch	390 mm
184 2401 1	24 Ch	390 mm
184 2801 1	28 Ch	390 mm
184 3201 1	32 Ch	390 mm



Thoracic Catheter

- ▶ Flexible tubing wall provides leak proof tissue/tubing interface
- ▶ Atraumatic, rounded, open distal tip
- ▶ Easy to milk
- ▶ Cross side eyes to prevent tissue aspiration
- ▶ Radiopaque line
- ▶ Accurate positioning depth marks at each cm starting 2 cm from the distal end
- ▶ Flared end to accept different sized connectors
- ▶ Straight or right angled design
- ▶ Length: 52 cm

Ref		Size
Straight	Angled	
180 1201 1	182 1201 1	12 Ch
180 1601 1	182 1601 1	16 Ch
180 2001 1	182 2001 1	20 Ch
180 2401 1	182 2401 1	24 Ch
180 2801 1	182 2801 1	28 Ch
180 3201 1	182 3201 1	32 Ch
180 3601 1	182 3601 1	36 Ch
180 4001 1	182 4001 1	40 Ch



BPDS-2000 Pleural Drainage System

- ▶ Underwater seal drainage
- ▶ 2000 ml collecting capacity
- ▶ Firm stand to avoid accidental overturn
- ▶ Handle for patient convenience
- ▶ Easy to write on drainage marking scale
- ▶ Funnel to facilitate priming
- ▶ Easy to milk, soft and kink resistant silk finished tubing
- ▶ Corrugated support tubing that prevents drainage obstruction due to kinking at collector inlet
- ▶ Length of tubing: 150 cm
- ▶ Tube connector specially designed to accept different thoracic catheter sizes
- ▶ Optional luer lock port cap on the connector helps to empty coagulum collected in the tubing
- ▶ Priming volume: 180cc



Ref	
175 2001 1	w/ Luer Lock Port
175 2002 1	w/ Antifoam
175 2005 1	w/ Latex Tubing
017 2004 1	w/ o Luer Lock Port

BPDS-700 Pleural Drainage System

- ▶ Underwater seal drainage
- ▶ 700 ml collecting capacity
- ▶ Firm stand to avoid accidental overturn
- ▶ Handle for patient convenience
- ▶ Easy to write on drainage marking scale
- ▶ Funnel to facilitate priming
- ▶ Easy to milk, soft and kink resistant silk finished tubing
- ▶ Corrugated support tubing that prevents drainage obstruction due to kinking at collector inlet
- ▶ Length of tubing: 150 cm
- ▶ Tube connector specially designed to accept different thoracic catheter sizes
- ▶ Optional luer lock port cap on the connector helps to empty coagulum collected in the tubing
- ▶ Priming volume: 50cc



Ref	
175 7001 1	w/ Luer Lock Port
175 7002 1	w/ Antifoam
017 7004 1	w/ o Luer Lock Port

BTDS-2001 Thoracic Drainage System

- ▶ Underwater seal drainage
- ▶ Discard port
- ▶ 2000 ml collecting capacity
- ▶ Handle for patient convenience
- ▶ Easy to write on drainage marking scale
- ▶ Cap
- ▶ Easy to milk, soft and kink resistant silk finished tubing
- ▶ Corrugated support tubing that prevents drainage obstruction due to kinking at collector inlet
- ▶ Length of tubing: 150 cm
- ▶ Tube connector specially designed to accept different thoracic catheter sizes
- ▶ Optional luer lock port cap on the connector helps to empty coagulum collected in the tubing
- ▶ Priming volume: 200cc



Ref	
176 2001 1	w/ Luer Lock Port
017 6001 1	w/ o Luer Lock Port

BTDS-2002 Thoracic Drainage System

- ▶ Underwater seal drainage
- ▶ Double inlet for multiple tube drainage
- ▶ Discard port
- ▶ 2000 ml collecting capacity
- ▶ Handle for patient convenience
- ▶ Easy to write on drainage marking scale
- ▶ Cap
- ▶ Easy to milk, soft and kink resistant silk finished tubing
- ▶ Corrugated support tubing that prevents drainage obstruction due to kinking at collector inlet
- ▶ Length of tubing: 150 cm
- ▶ Tube connector specially designed to accept different thoracic catheter sizes
- ▶ Optional luer lock port cap on the connector helps to empty coagulum collected in the tubing
- ▶ Priming volume: 200cc



Ref	
176 2002 1	w/ Luer Lock Port

Feeding Tube

- ▶ Radiopaque line
- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Accurate positioning depth marks at each cm starting 4 cm from the distal end
- ▶ Atraumatic, soft rounded closed tip
- ▶ Two lateral eyes with smooth edges
- ▶ Connector cap to prevent reflux and contamination
- ▶ Color coded connector
- ▶ Length: 50 cm



Ref	Size	Color
197 0420 1	04 Ch	Red
197 0520 1	05 Ch	Grey
197 0620 1	06 Ch	Light Green
197 0820 1	08 Ch	Blue
197 1020 1	10 Ch	Black
197 1220 1	12 Ch	White

Nasogastric Catheter

Levin

- ▶ Radiopaque line
- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, soft rounded open tip
- ▶ Four lateral eyes with smooth edges
- ▶ Depth marks with 10 cm intervals at 45, 55, 65 and 75 cm from the distal end
- ▶ Color coded connector
- ▶ Length: 121 cm



Ref	Size	Color
194 0620 1	06 Ch	Light Green
194 0820 1	08 Ch	Blue
194 1020 1	10 Ch	Black
194 1220 1	12 Ch	White
194 1420 1	14 Ch	Green
194 1620 1	16 Ch	Orange
194 1820 1	18 Ch	Red
194 2020 1	20 Ch	Yellow



Rectal Tube

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, soft rounded closed tip
- ▶ Two lateral eyes with smooth edges
- ▶ Color coded connector
- ▶ Length: 40 cm



Ref	Size	Color	
199 1801 1	18 Ch	Red	
199 2001 1	20 Ch	Yellow	
199 2201 1	22 Ch	Violet	
199 2401 1	24 Ch	Dark Blue	
199 2501 1	25 Ch	Grey	
199 2601 1	26 Ch	White	
199 2801 1	28 Ch	Dark Green	
199 3001 1	30 Ch	Silver Grey	
199 3201 1	32 Ch	Brown	
199 3501 1	35 Ch	Light Grey	



Urimeter 500 Plus

Closed System

- ▶ Collecting chamber
 - 500 ml
 - Fine measuring capacity up to 40 ml
 - One-touch fast-flow tap
 - Check valve
 - Hydrophobic air filter
 - Integrated bypass channel to prevent overflow
 - Adjustable fastening straps
 - Folding bed rail hangers
- ▶ Bottom outlet urine bag with 2000 ml capacity
 - Non-return valve
 - Hydrophobic air filter
 - Patient identification tag
 - “T” type foldable bottom outlet
 - Bottom outlet insert
- ▶ Large bore, kink resistant tubing (single lumen/double lumen options)
- ▶ Push-on closure clamp
- ▶ Secure catheter connector
- ▶ Sampling port options for needle use/needleless use

Tubing Options:



Single Lumen



Double Lumen

Sampling port options:



Sampling port for needleless use



Sampling port for needle use

Ref	Tubing	Tubing Length	Sampling Port	Check Valve
227 1020 1	w/ Single Lumen	150 cm	For Needle Use	w/ o Check Valve
227 1021 1	w/ Single Lumen	120 cm	For Needleless Use	w/ o Check Valve
227 1022 1	w/ Single Lumen	120 cm	For Needle Use	w/ Check Valve
227 1023 1	w/ Single Lumen	120 cm	For Needleless Use	w/ Check Valve
227 1030 1	w/ Double Lumen	120 cm	For Needleless Use	w/ Check Valve
022 7401 1	w/ Double Lumen	135 cm	For Needleless Use	w/ Check Valve
022 7402 1	w/ Single Lumen	150 cm	For Needleless Use	w/ o Check Valve
022 7404 1	w/ Double Lumen	150 cm	For Needleless Use	w/ Check Valve

Ref	Spare Bag
223 1040 1	Spare Bag for Urimeter 500 Plus
223 1041 1	Spare Bag for Urimeter 500 Plus - w/ o Tap



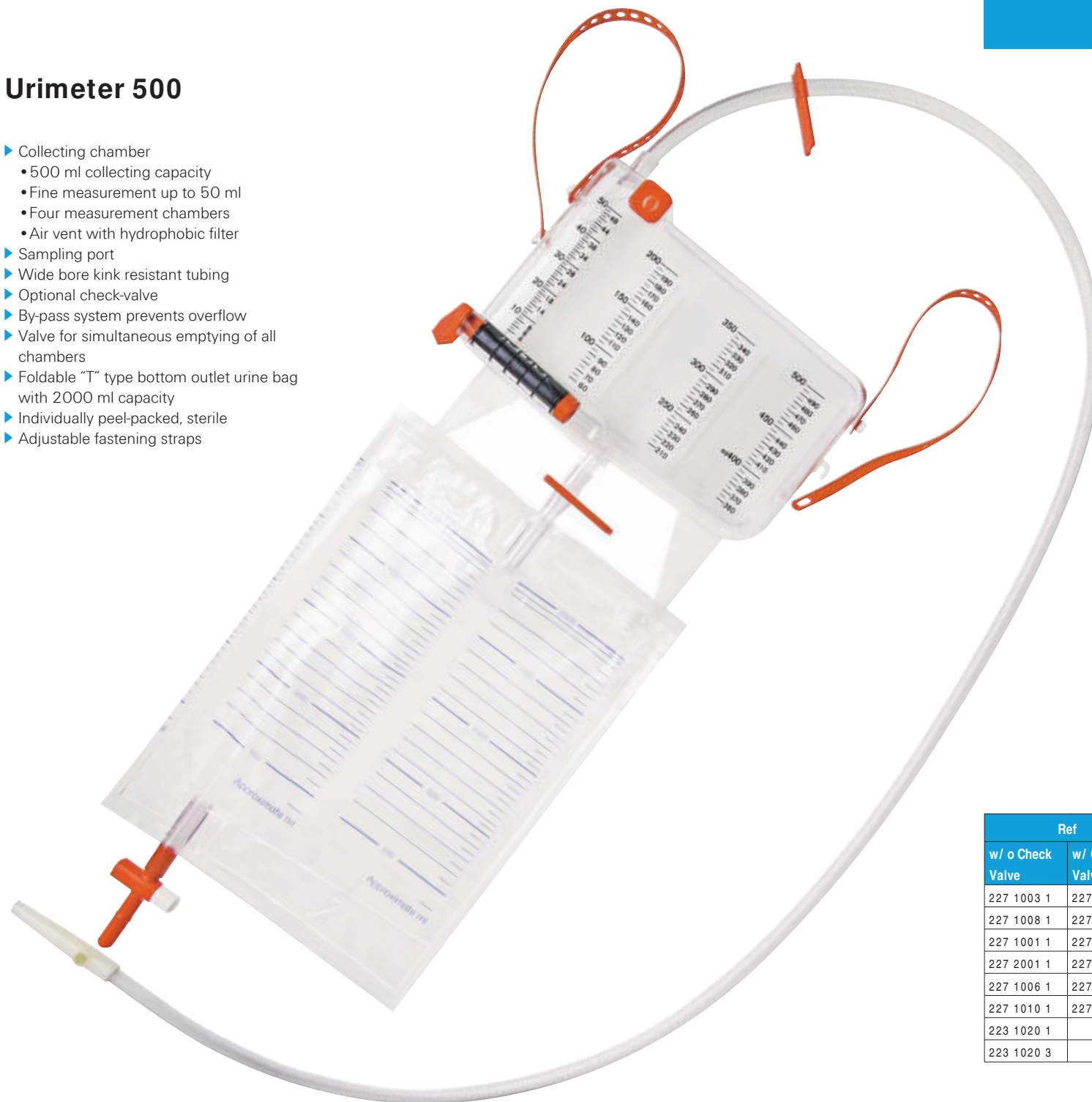
Folding bed rail hangers



Hydrophobic air filter

Urimeter 500

- ▶ Collecting chamber
 - 500 ml collecting capacity
 - Fine measurement up to 50 ml
 - Four measurement chambers
 - Air vent with hydrophobic filter
- ▶ Sampling port
- ▶ Wide bore kink resistant tubing
- ▶ Optional check-valve
- ▶ By-pass system prevents overflow
- ▶ Valve for simultaneous emptying of all chambers
- ▶ Foldable "T" type bottom outlet urine bag with 2000 ml capacity
- ▶ Individually peel-packed, sterile
- ▶ Adjustable fastening straps



Ref		Urine Bag
w/ o Check Valve	w/ Check Valve	
227 1003 1	227 1004 1	w/ B1, 1500 ml, w/ clamp
227 1008 1	227 1009 1	w/ B1, 2000 ml, w/ clamp
227 1001 1	227 1002 1	w/ B4, 2000 ml
227 2001 1	227 2002 1	w/ Integrated B4, 2000 ml
227 1006 1	227 1007 1	w/ B4, 2000 ml, w/ clamp
227 1010 1	227 1012 1	w/ B6, 2000 ml
223 1020 1		Spare B4, 2000 ml, Sterile
223 1020 3		Spare B4, 2000 ml, N/ S

B3 Urine Bag

With Bottom Outlet

- ▶ Medical grade polyvinyl chloride (PVC)
- ▶ Approximately 2000 ml collecting capacity
- ▶ Graduated in ml
- ▶ Non-return valve
- ▶ Bottom outlet
- ▶ Reinforced holes for hanging
- ▶ Kink resistant tubing
- ▶ Available tubing lengths: 80, 90, 100, 110, and 120 cm
- ▶ Conical connector w/cap



Ref	
223 1001 1	Sterile
223 1001 3	Clean Pack

B4 Urine Bag

Closed System

- ▶ Medical grade polyvinyl chloride (PVC)
- ▶ Approximately 2000 ml collecting capacity
- ▶ Graduated in ml
- ▶ Non-return valve
- ▶ "T" type, foldable bottom outlet
- ▶ Reinforced holes for hanging
- ▶ Wide bore kink resistant tubing
- ▶ Available tubing lengths: 90, 100, 110, 120 and 130 cm
- ▶ Slide clamp
- ▶ Sampling port
- ▶ With or without hanger
- ▶ Individually peel-packed, sterile



Ref	
226 1001 1	Sterile

Enema Set

- ▶ Medical grade polyvinyl chloride (PVC) bag
- ▶ 1750 ml collecting capacity
- ▶ Graduated in ml
- ▶ Reinforced strap for hanging
- ▶ Catheter with soft rounded open tip two lateral eyes and lubricated tip with protector or rectal tip with distal eye
- ▶ Length of catheter: 120 cm
- ▶ Slide clamp
- ▶ Drape, glove, castile soap



Soft Rounded Open Tip, w/ Two Lateral Eyes

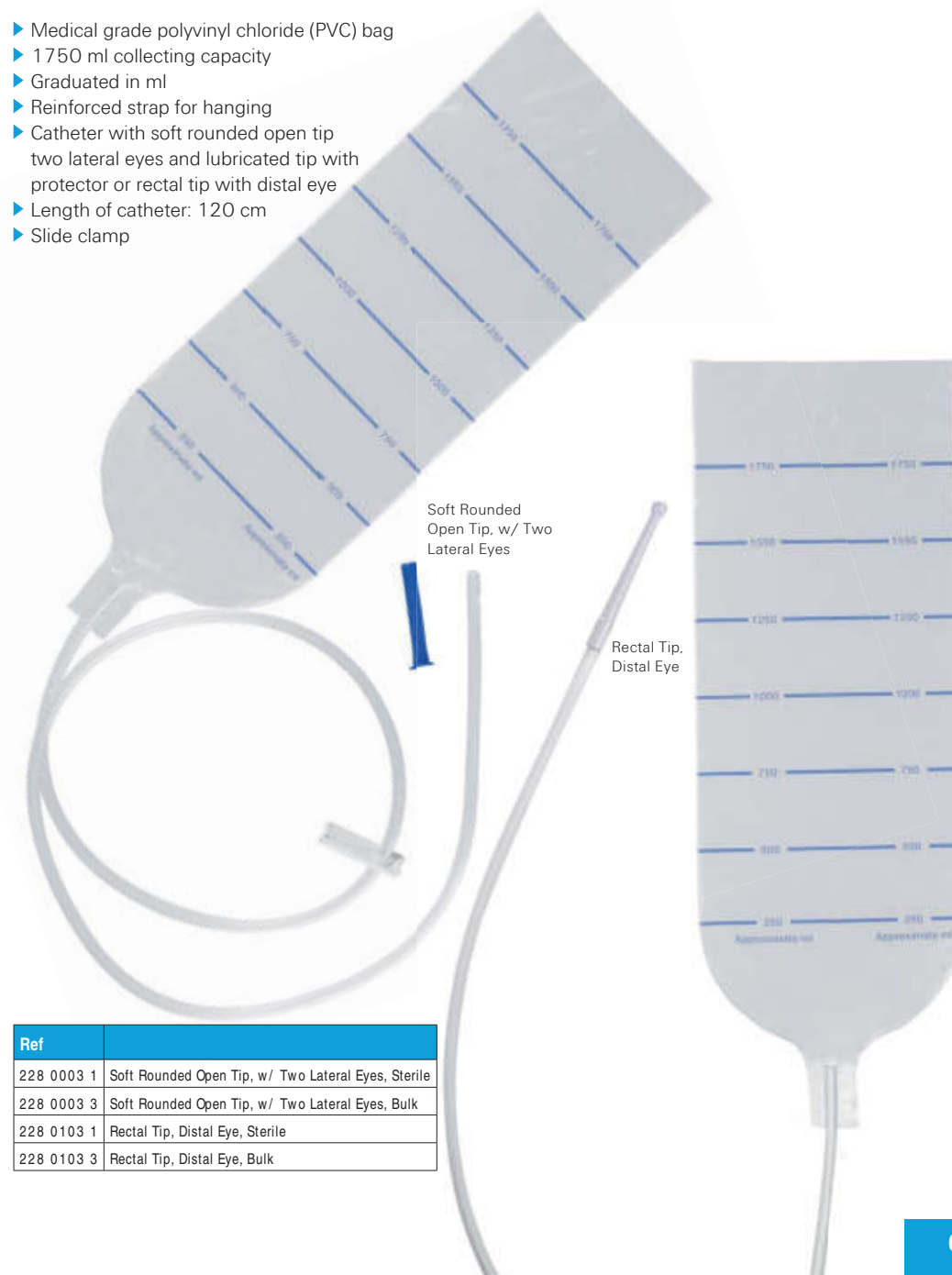


Rectal Tip, Distal Eye

Ref	
228 0001 2	Soft Rounded Open Tip, w/ Two Lateral Eyes, Clean Pack
228 0101 2	Rectal Tip, Distal Eye, Clean Pack
022 8103 2	Soft Rounded Open Tip, w/ Two Lateral Eyes, Blister Package

Enema Bag

- ▶ Medical grade polyvinyl chloride (PVC) bag
- ▶ 1750 ml collecting capacity
- ▶ Graduated in ml
- ▶ Reinforced strap for hanging
- ▶ Catheter with soft rounded open tip two lateral eyes and lubricated tip with protector or rectal tip with distal eye
- ▶ Length of catheter: 120 cm
- ▶ Slide clamp



Ref	
228 0003 1	Soft Rounded Open Tip, w/ Two Lateral Eyes, Sterile
228 0003 3	Soft Rounded Open Tip, w/ Two Lateral Eyes, Bulk
228 0103 1	Rectal Tip, Distal Eye, Sterile
228 0103 3	Rectal Tip, Distal Eye, Bulk

Nelaton Catheter

- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, soft rounded closed tip
- ▶ Two lateral eyes with smooth edges
- ▶ Color coded connector
- ▶ Length:
Nelaton: 40 cm
Nelaton female: 18 cm



Ref		Size	Color
Nelaton	Nelaton Female		
195 0601 1	195 0605 1	06 Ch	Light Green 
195 0801 1	195 0805 1	08 Ch	Blue 
195 1001 1	195 1005 1	10 Ch	Black 
195 1201 1	195 1205 1	12 Ch	White 
195 1401 1	195 1405 1	14 Ch	Green 
195 1601 1	195 1605 1	16 Ch	Orange 
195 1801 1	195 1805 1	18 Ch	Red 
195 2001 1		20 Ch	Yellow 
195 2201 1		22 Ch	Violet 
195 2401 1		24 Ch	Dark Blue 

Tiemann Catheter

- ▶ Effective catheterization in obstructive passages
- ▶ Frosted surface for easy insertion
- ▶ Appropriate degree of hardness provides kink resistance
- ▶ Atraumatic, angled, slightly rigid closed tip
- ▶ Two lateral eyes with smooth edges
- ▶ Marker on funnel connector indicating direction of angled tip
- ▶ Color coded connector
- ▶ Length: 40 cm



Ref	Size	Color
195 0820 1	08 Ch	Blue 
195 1020 1	10 Ch	Black 
195 1220 1	12 Ch	White 
195 1420 1	14 Ch	Green 
195 1620 1	16 Ch	Orange 
195 1820 1	18 Ch	Red 
195 2020 1	20 Ch	Yellow 

Vaginal Speculum II

- ▶ Designed for patient comfort and easy to use
- ▶ Clear body providing good visualization of the cervix
- ▶ Wide aperture with support frame
- ▶ Aperture $\geq 3\text{cm}$
- ▶ Secure stepped locking mechanism
- ▶ Ergonomic design with anti-pinch gaps and smooth rounded blades
- ▶ Retains an opening force of 45N
- ▶ Color coded size indication



Ref		Size
Sterile	Non-Sterile	
595 1021 1	595 1021 2	Small
595 1022 1	595 1022 2	Medium
595 1023 1	595 1023 2	Large

Umbilical Cord Clamp

- ▶ Lock security to prevent accidental opening
- ▶ Solid grip with toothed design
- ▶ Rounded edges to prevent skin irritation



Ref
230 0001 1

I.V. Cannula

- ▶ Back cut needle bevel for easier insertion with minimal trauma
- ▶ Thin wall FEP catheter with three embedded radiopaque lines provides high flow rate
- ▶ Flexible and kink resistant catheter is double tapered with a rounded tip for smooth introduction and minimal discomfort to the patient
- ▶ Injection port option with one way valve and colour coded cap for intermittent and safe administration of drugs during infusion
- ▶ Flexible wings provide a good grip for easy insertion, secure fixation and also prevent skin contact with luer lock connection
- ▶ Highly transparent flashback chamber for instant blood backflow indicating vessel entry
- ▶ Blood stopper
- ▶ Color coded
- ▶ Luer lock cap for closing the proximal end of the catheter after needle removal



Ref		Size	Color	O.D. (mm)	I.D. (mm)	Cannula Length	Flow Rate (ml/ min)
With Port	Without Port						
146 1401 1		14 G	Orange	2.20	1.74	45 mm	325
146 1601 1		16 G	Grey	1.72	1.33	45 mm	200
146 1801 1		18 G	Green	1.34	1.00	45 mm	100
146 2001 1		20 G	Pink	1.12	0.79	32 mm	58
146 2201 1		22 G	Blue	0.91	0.64	25 mm	32
146 2401 1	145 2401 1	24 G	Yellow	0.71	0.51	19 mm	20

Three Way Stopcock

- ▶ For pressures up to 5 bar (72 PSI)
- ▶ 360° rotation
- ▶ Color coded arrows indicating flow direction
- ▶ Transparent housing
- ▶ Rotating male luer lock and two female luer lock connectors
- ▶ Lipid Resistance

Ref	Color
760 3011 1	White 
760 3031 1	Blue 
760 3041 1	Red 



Three Way Stopcock

1200 PSI

- ▶ For pressures up to 83 bar (1200 PSI)
- ▶ 180° rotation
- ▶ Arrows indicating flow direction
- ▶ Transparent housing
- ▶ Rotating male luer lock and two female luer lock connectors



Ref
760 3111 1

Manifold

- ▶ Flat with cross handle
- ▶ Pressure tested
- ▶ Arrows to indicate the direction of flow
- ▶ Clear housing for maximal visual inspection
- ▶ Color coded
- ▶ Female luer connectors

Ref	
765 0301 1	Trio
765 0501 1	Quinto



Manifold

Pressure

- ▶ For pressures up to 41 bar (600 PSI)
- ▶ Arrows to indicate the direction of flow
- ▶ Clear housing for maximal visual inspection
- ▶ Rotating male luer and female luer connectors



Ref		Position
765 1301 1	Trio	Right

B-Flow Flow Regulator

- ▶ Flow range 2 to 400 ml/h
- ▶ Precise flow rate control
- ▶ Constant flow rate
- ▶ Latex-free "Y" injection port
- ▶ Total length: 45 cm
- ▶ Luer lock connector



Ref

106 0003 1

B-Flow Flow Regulator

With I.V. Infusion Set

- ▶ Flowmeter
 - Flow range 2 to 400 ml/h
 - Precise flow rate control
 - Constant flow rate
- ▶ Infusion set
 - Vented spike
 - Air-inlet with snap on cap
 - 15 µm fluid filter
 - Length of tubing: 150 cm
- ▶ Slide clamp
- ▶ Latex-free "Y" injection port
- ▶ Luer lock connector

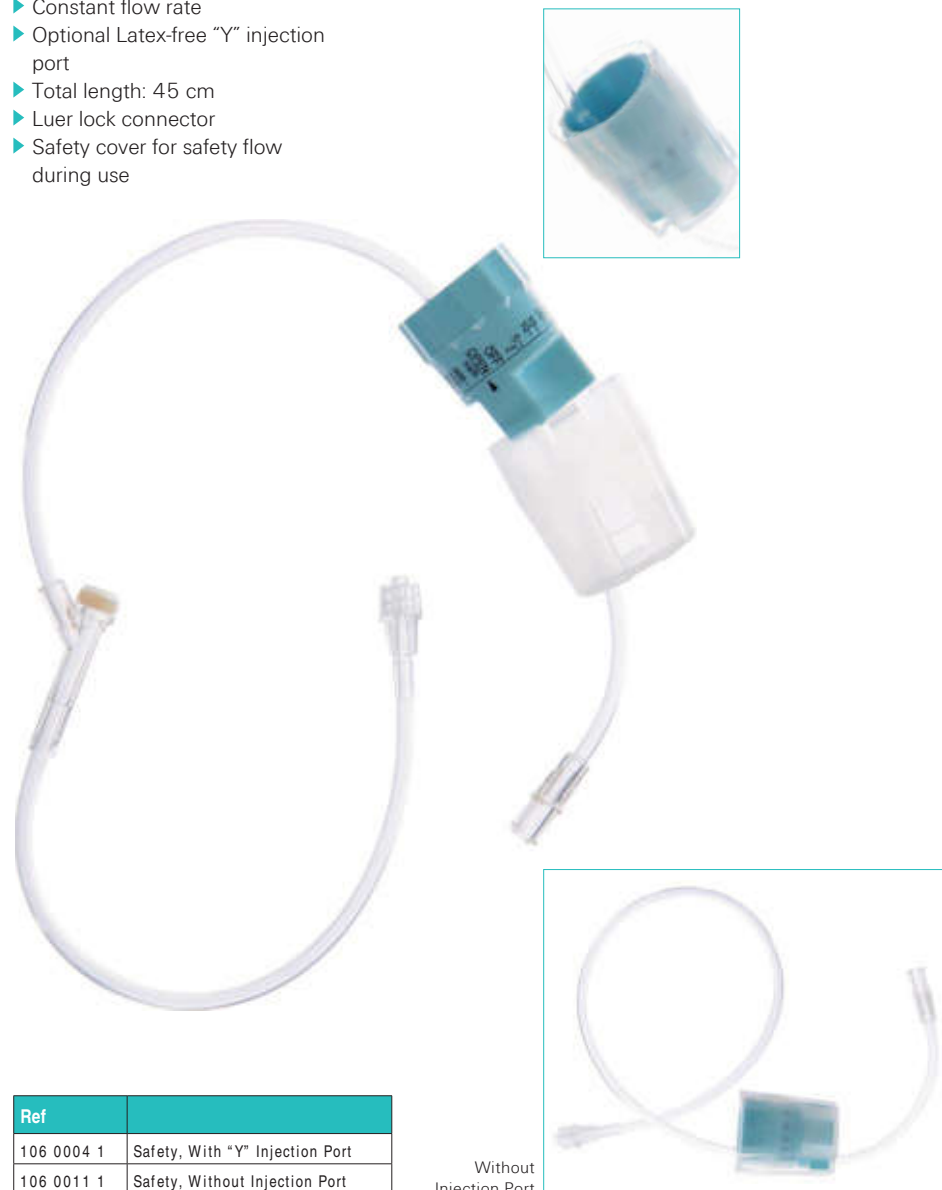


Ref

107 0003 1

B-Flow Safety Flow Regulator

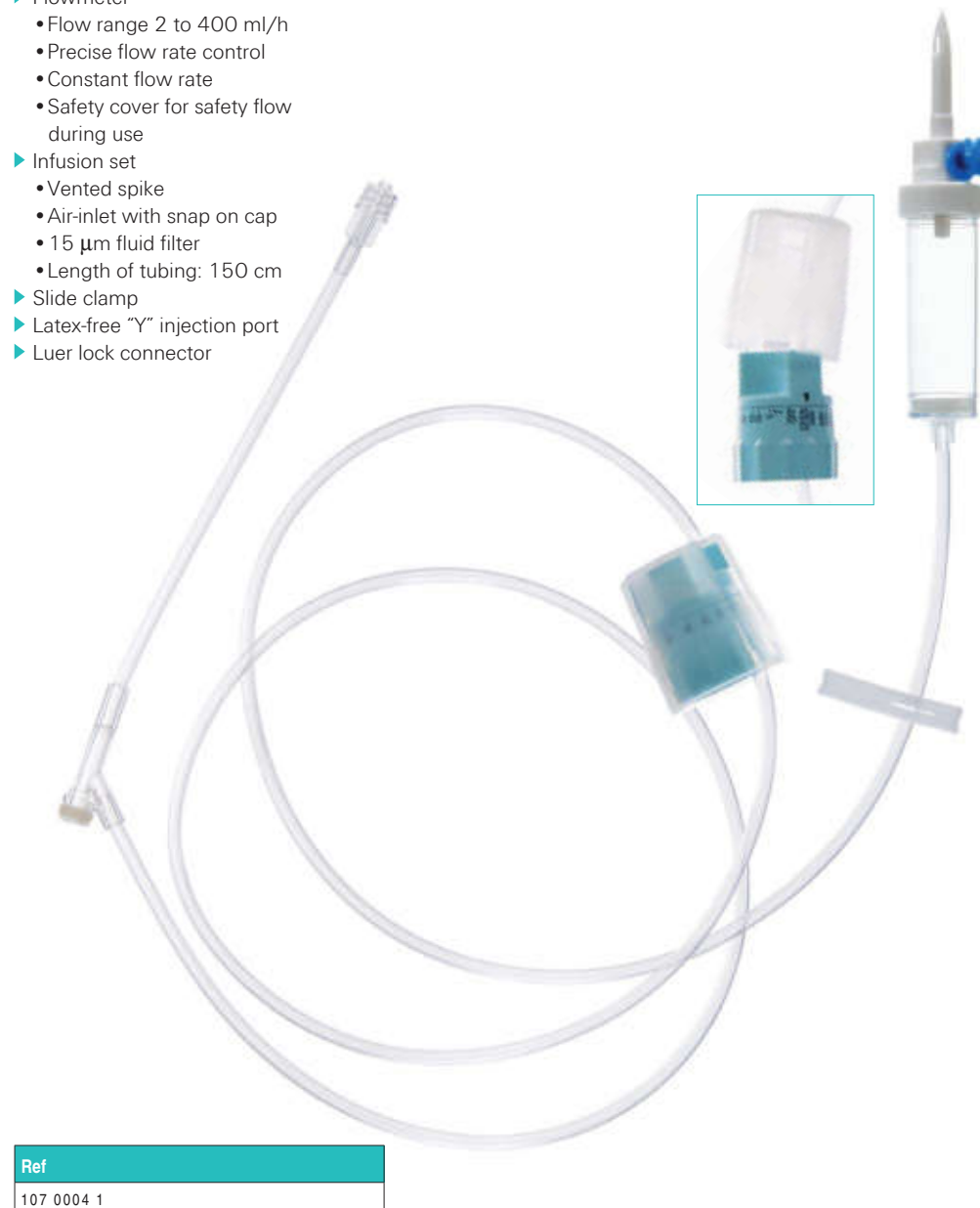
- ▶ Flow range 2 to 400 ml/h
- ▶ Precise flow rate control
- ▶ Constant flow rate
- ▶ Optional Latex-free "Y" injection port
- ▶ Total length: 45 cm
- ▶ Luer lock connector
- ▶ Safety cover for safety flow during use



B-Flow Safety Flow Regulator

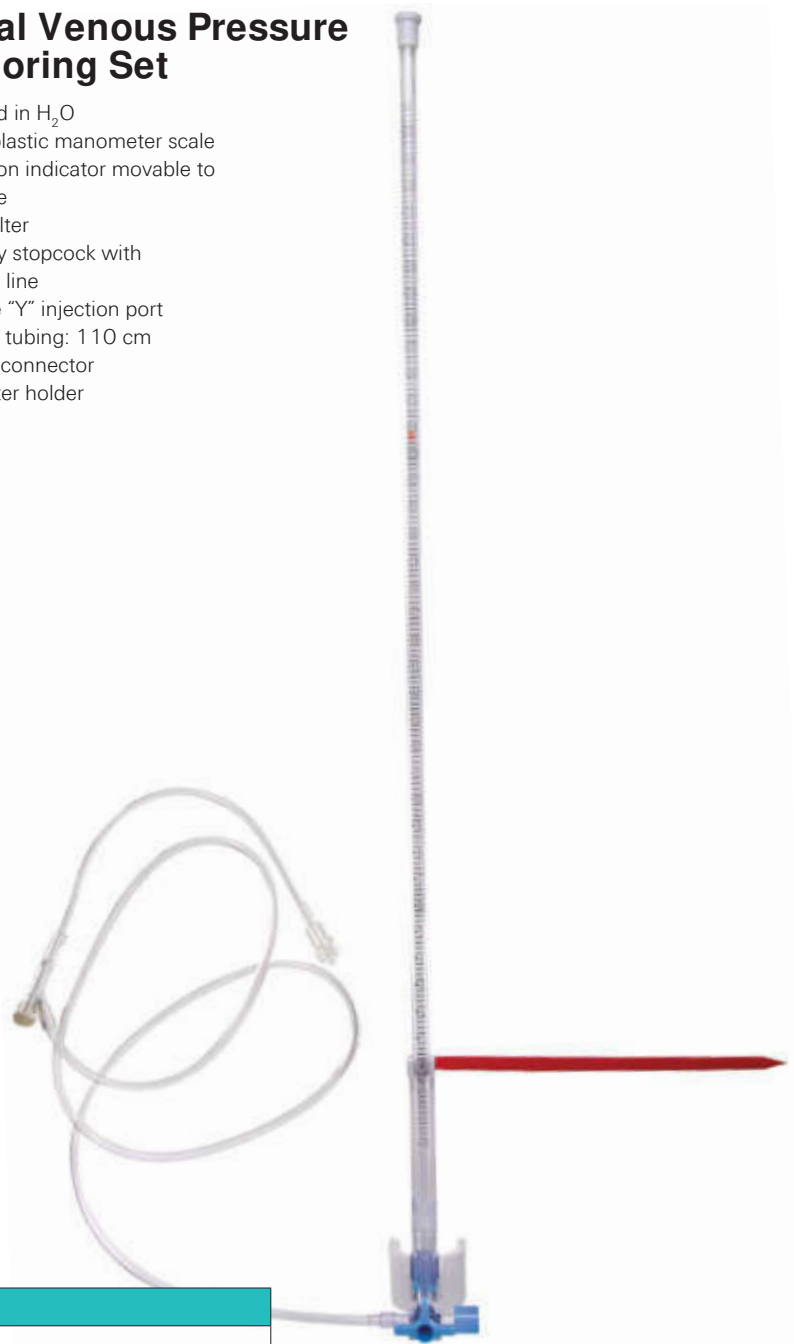
With I.V. Infusion Set

- ▶ Flowmeter
 - Flow range 2 to 400 ml/h
 - Precise flow rate control
 - Constant flow rate
 - Safety cover for safety flow during use
- ▶ Infusion set
 - Vented spike
 - Air-inlet with snap on cap
 - 15 µm fluid filter
 - Length of tubing: 150 cm
- ▶ Slide clamp
- ▶ Latex-free "Y" injection port
- ▶ Luer lock connector



Central Venous Pressure Monitoring Set

- ▶ Graduated in H₂O
- ▶ Durable plastic manometer scale
- ▶ "0" position indicator movable to either side
- ▶ Air vent filter
- ▶ Three-way stopcock with extension line
- ▶ Latex-free "Y" injection port
- ▶ Length of tubing: 110 cm
- ▶ Luer lock connector
- ▶ Manometer holder



Ref
110 0001 1

Instopper

- ▶ For intermittent injections through latex-free injection site
- ▶ Priming volume 0.088 cc
- ▶ Prevents contamination
- ▶ Male luer lock
- ▶ Color: Yellow

Ref
125 0001 1

Stopper

- ▶ For female luer lock connector
- ▶ Prevents contamination
- ▶ Male luer lock cap
- ▶ Color: Ivory

Ref
125 0005 1

Combi Stopper

Female/Male Cap

- ▶ For male and female luer lock connectors
- ▶ Male and female luer lock cap
- ▶ Color: Red

Ref
125 0007 1



B-Safe

Valve

- ▶ Swabable luer valve for safe, needle-free injection
- ▶ Male and female luer lock connections
- ▶ Latex-free



Ref	Color
125 1001 1	Blue 
125 1002 1	Red 

B-Safe

Vial Cap

- ▶ Provides safe and simple access to multidose vial containers and I.V. fluid bags
- ▶ 20 or 13 mm drug vial cap integrated with swabable needle-free valve
- ▶ Luer lock connector
- ▶ Latex-free



Ref	Size
125 1003 1	20 mm
125 1004 1	13 mm

B-Safe

Spike

- ▶ Swabable luer valve for safe, needle-free injection
- ▶ Non-vented spike
- ▶ Latex-free

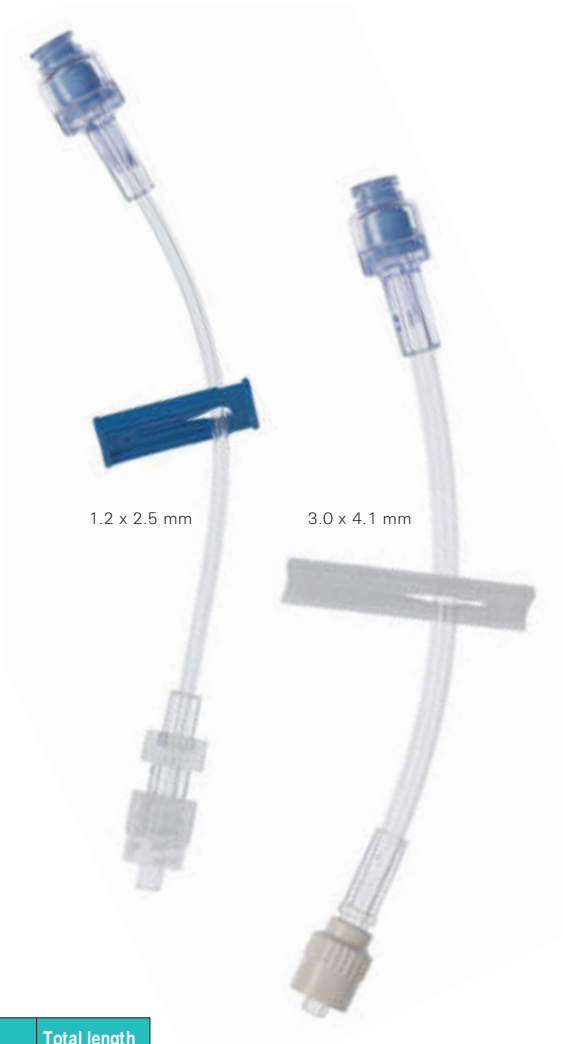


Ref
125 1010 1

B-Safe

Extension Line

- ▶ Swabable luer valve for safe, needle-free injection
- ▶ Slide clamp
- ▶ Male rotating luer lock connector

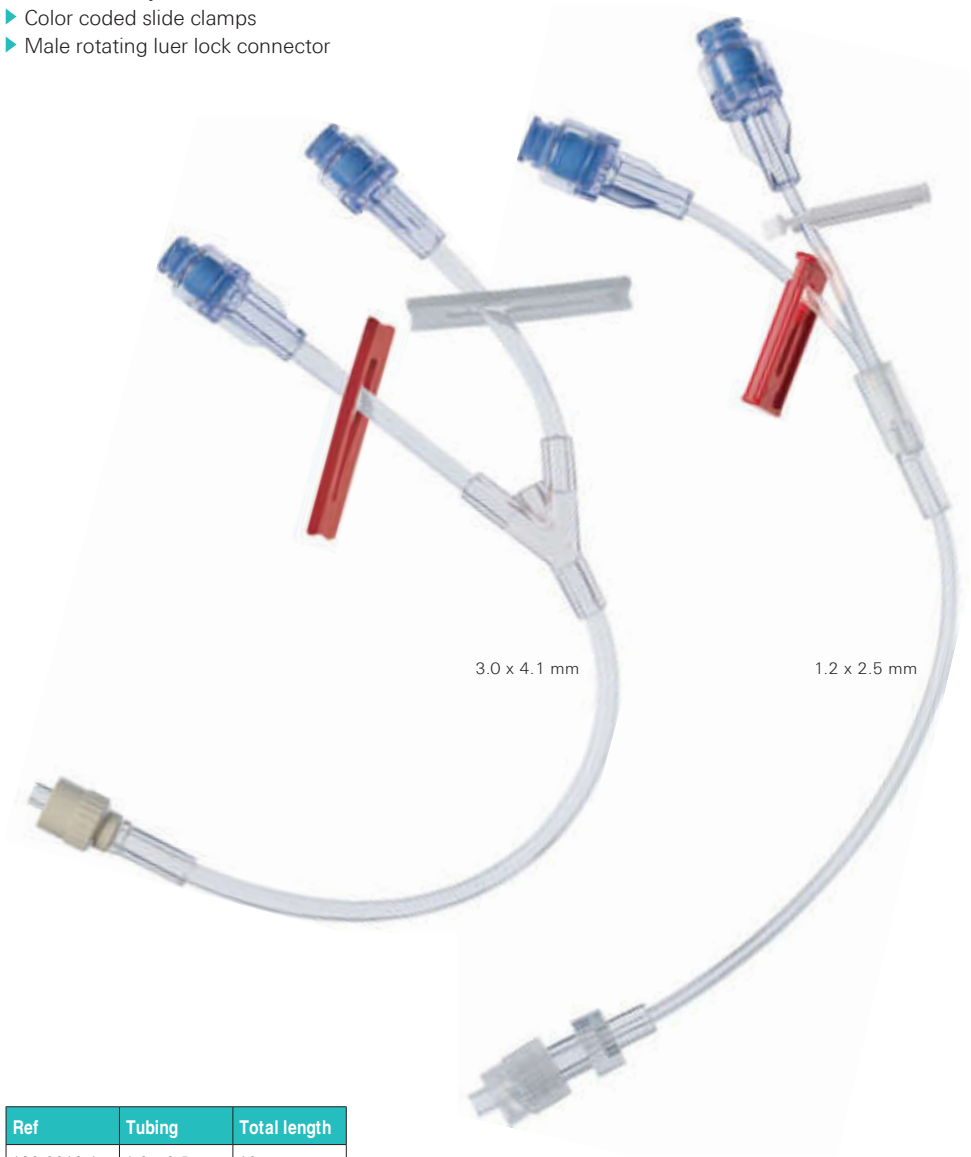


Ref	Tubing	Total length
131 0010 1	1.2 x 2.5 mm	14 cm
131 0011 1	3.0 x 4.1 mm	13 cm

B-Safe

Extension Line, Duo

- ▶ Two swabable luer valve for safe, needle-free injection
- ▶ Color coded slide clamps
- ▶ Male rotating luer lock connector



Ref	Tubing	Total length
132 0010 1	1.2 x 2.5 mm	16 cm
132 0011 1	3.0 x 4.1 mm	17 cm

B-Safe

Extension Line, Trio

- ▶ Three swabable luer valve for safe, needle-free injection
- ▶ Color coded slide clamps
- ▶ Male rotating luer lock connector



Ref	Tubing	Total length
133 0010 1	1.2 x 2.5 mm	17 cm
133 0011 1	3.0 x 4.1 mm	16.5 cm

B-Safe

Extension Line With "T" Connector

- ▶ "T" type male luer lock connector with swabable luer valve for safe, needle-free injection
- ▶ 1.2 x 2.5 mm tubing
- ▶ Slide clamp
- ▶ Luer lock connector
- ▶ Total length: 11 cm

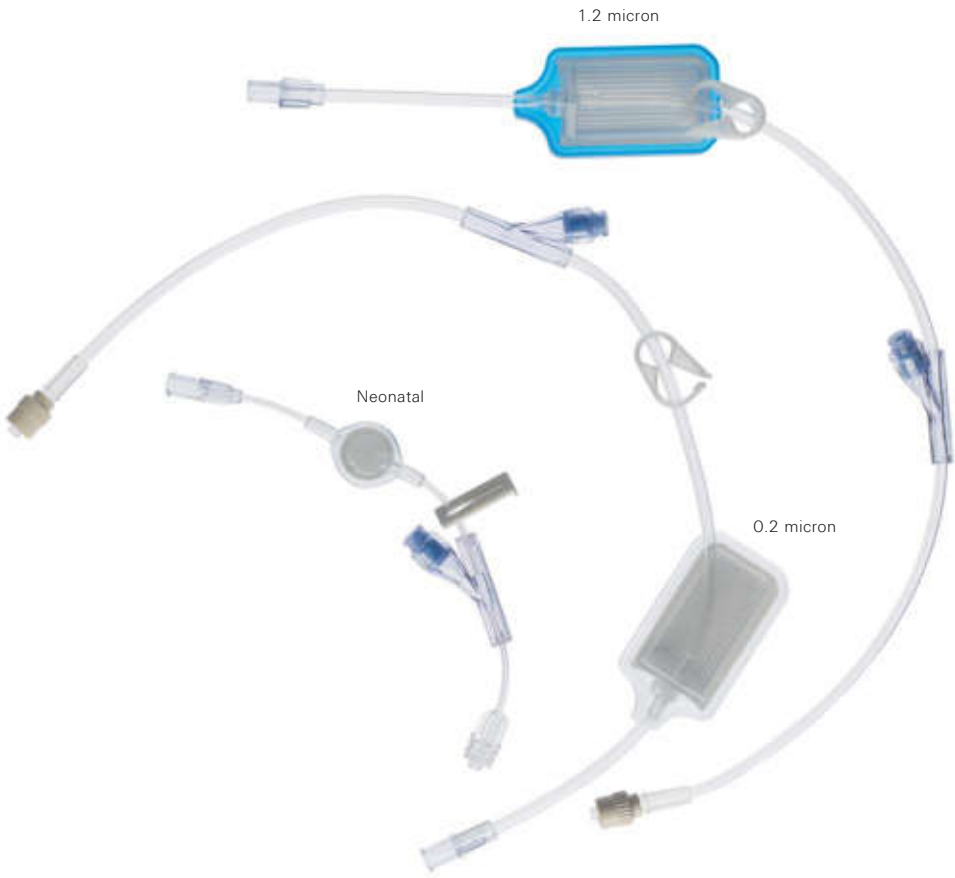


Ref
124 1030 1

B-Safe

I.V. Filter Set

- ▶ Filters bacteria and particles
- ▶ Effective air venting regardless of position
- ▶ Swabable luer valve for safe, needle-free injection
- ▶ Luer lock connector



Ref	Filter	Total Length
114 0260 1	0.2 micron	43 cm
114 0261 1	1.2 micron	43 cm
114 0255 1	Neonatal	27 cm

Transfer Set

- ▶ For aseptic transfer of sterile fluids to containers with other fluids, lyophilized drugs and other additives
- ▶ Efficient transfer provided with minimum residual volume
- ▶ Ergonomic design for convenient handling
- ▶ Standard length
- ▶ Strong and slim spike for safe penetration
- ▶ Special tip design to prevent coring



Ref
125 0010 1

Extension Line

250 PSI

- ▶ For pressures up to 17 bar (250 PSI)
- ▶ Ø 3.0 x 4.1 mm tubing
- ▶ Luer lock connector



Ref		Length
M/ F	M/ M	
120 1030 1	120 2030 1	30 cm
120 1050 1	120 2050 1	50 cm
120 1060 1	120 2060 1	60 cm
120 1075 1	120 2075 1	75 cm
120 1090 1	120 2090 1	90 cm
120 1100 1	120 2100 1	100 cm
120 1120 1	120 2120 1	120 cm
120 1145 1	120 2145 1	145 cm
120 1150 1	120 2150 1	150 cm

Extension Line

Smallbore - 250 PSI

- ▶ For pressures up to 17 bar (250 PSI)
- ▶ Ø 1.2 x 2.5 mm tubing
- ▶ Luer lock connector



Ref		Length
M/ F	M/ M	
012 7050 1	012 8050 1	50 cm
012 7100 1	012 8100 1	100 cm
012 7150 1	012 8150 1	150 cm

Extension Line

With Three Way Stopcock

- ▶ Three way stopcock
- ▶ Ø 3.0 x 4.1 mm tubing
- ▶ Male luer lock connector



Ref	Length
123 1010 1	10 cm
123 1030 1	30 cm
123 1050 1	50 cm
123 1060 1	60 cm
123 1075 1	75 cm
123 1090 1	90 cm
123 1120 1	120 cm
123 1145 1	145 cm
123 1150 1	150 cm

Extension Line

With “T” Connector and Slide Clamp

- ▶ “T” type male or male luer lock connector
- ▶ With or without latex-free injection port
- ▶ Connector cap
- ▶ 10 cm, microbore tubing
- ▶ Slide clamp
- ▶ Luer or luer lock connector option



Ref	Injection Port	Connector
124 1010 1	With Injection Port	Luer
124 1015 1	Without Injection Port	Luer Lock



Pressure Line

600 PSI, With Slide Clamp

- ▶ For pressures up to 41 bar (600 PSI)
- ▶ Ø 1.5 x 3.0 mm tubing
- ▶ Female luer lock connector
- ▶ Slide clamp



Ref	Connector	Length
138 5015 1	M / F	15 cm
138 5030 1	M / F	30 cm
138 5060 1	M / F	60 cm
138 5075 1	M / F	75 cm
138 5090 1	M / F	90 cm
138 5100 1	M / F	100 cm
138 5120 1	M / F	120 cm
138 5145 1	M / F	145 cm
138 5150 1	M / F	150 cm
138 5180 1	M / F	180 cm
138 5210 1	M / F	210 cm

Pressure Line

800 PSI

- ▶ For pressures up to 55 bar (800 PSI)
- ▶ Ø 1.5 x 3.0 mm tubing
- ▶ Male luer lock and female luer lock connectors

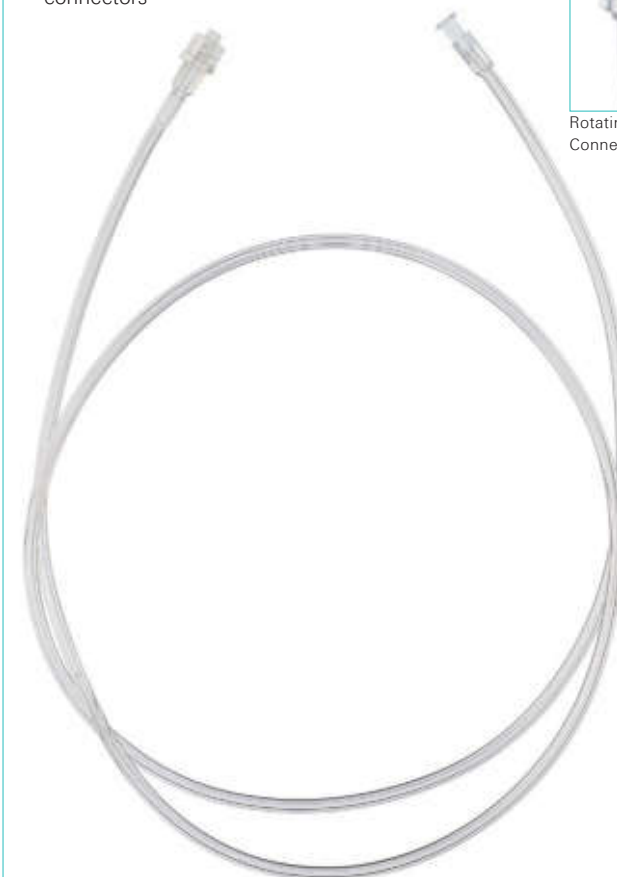


Ref		Length
M / F	M / M	
138 3030 1	138 4030 1	30 cm
138 3060 1	138 4060 1	60 cm
138 3075 1	138 4075 1	75 cm
138 3090 1	138 4090 1	90 cm
138 3120 1	138 4120 1	120 cm
138 3145 1	138 4145 1	145 cm

Pressure Line

1200 PSI

- ▶ For pressures up to 83 bar (1200 PSI)
- ▶ Ø 1.7 x 4.9 mm tubing
- ▶ Male luer lock and female luer lock connectors



Rotating Male Connector

Ref				Length
		Rotating		
M/ F	M/ M	M/ F	M/ M	
135 3025 1	135 4025 1	135 1025 1	135 2025 1	25 cm
135 3050 1	135 4050 1	135 1050 1	135 2050 1	50 cm
135 3075 1	135 4075 1	135 1075 1	135 2075 1	75 cm
135 3100 1	135 4100 1	135 1100 1	135 2100 1	100 cm
135 3125 1	135 4125 1	135 1125 1	135 2125 1	125 cm

B-Leuko Leukocyte Depletion Filter

B-Leuko leukocyte depletion filter is intended for the leukocyte reduction of red blood cell concentrates and whole blood

- ▶ Bedside filtration for one or two units of red cells
- ▶ Bedside and laboratory type options
- ▶ Bedside filter with air vent options
- ▶ Clinically proven filter media technology (Non-woven polyester, excellent wettability feature, high biocompatibility)
- ▶ No requirement for saline solution priming
- ▶ Transparent polycarbonate housing
- ▶ High efficiency leukocyte removal (Filtration performance < 2x10⁶)
- ▶ High red blood cell recovery rate (Erythrocyte recovery rate is greater than 90%)
- ▶ Low priming volume
- ▶ Filtration time; approximately 15 minutes for one unit red blood cell concentrate
- ▶ Latex-free

Air Vented System

Air vent allows recovery of the remaining erythrocytes to be given to the patient.

Filtering material

Non-woven polyester.
Excellent wettability feature.
High biocompatibility.

Filter Design

Bedside is designed to provide quick priming with upside down position.

Filter Housing

Durable polycarbonate body with superb flow dynamics.
Transparent housing facilitates ease of use.
Transparent housing for easy monitorization of priming and blood flow.



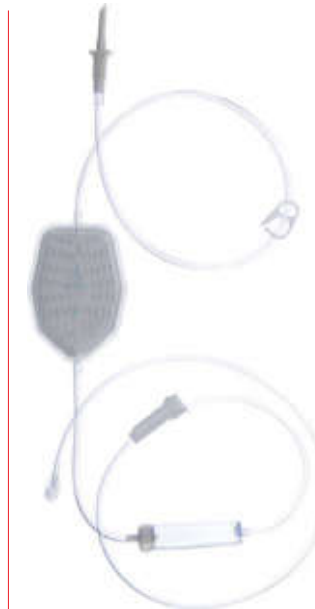
Ref		B-Leuko
ETO Sterile	Gama Sterile	
157 0010 1	157 0010 1G	Bedside, Without Air Vent, With Double Spikes
157 0011 1	157 0011 1G	Bedside, With Air Vent, Double Spikes and Prefilter
157 0012 1	157 0012 1G	Bedside, Without Air Vent, With Single Spike
157 0013 1	157 0013 1G	Bedside, With Air Vent and Single Spike
157 0014 1	157 0014 1G	Bedside, With Air Vent, Single Spike and Prefilter
157 0040 1	157 0040 1G	Laboratory Type
157 0041 1	157 0041 1G	Laboratory Type, With Prefilter



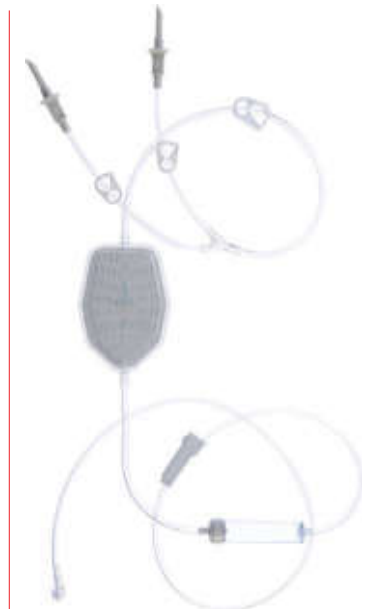
Laboratory Type, With Prefilter
Ref: 157 0041 1, 157 0041 1G



Laboratory Type
Ref: 157 0040 1, 157 0040 1G



Bedside, Without Air Vent, With Single Spike
Ref: 157 0012 1, 157 0012 1G



Bedside, Without Air Vent, With Double Spikes
Ref: 157 0010 1, 157 0010 1G



Bedside, With Air Vent and Single Spike
Ref: 157 0013 1, 157 0013 1G



Bedside, With Air Vent, Double Spikes and Prefilter
Ref: 157 0011 1, 157 0011 1G



Bedside, With Air Vent, Single Spike and Prefilter
Ref: 157 0014 1, 157 0014 1G

Extracorporeal Tubing Set

Adult, pediatric and infant tubing sets

- ▶ Custom made to meet individual requirements. Maximum safety with the most economic solution.
- ▶ Table set includes; arterial, venous and cardiotomy lines.
- ▶ Perfusionist set includes lines for oxygenator, cardiotomy vent and cardiotomy reservoir. These two sets can be dispensed separately or together upon request.
- ▶ Supplied with a packaging system that provides maximum safety for sterility and transportation



Adult



Pediatric



Infant

Ref

300 XXXX 1

Quick Prime Set

- ▶ Allows fast priming of the set
- ▶ Custom configuration available upon request



Ref
320 0491 1

Tubing

PVC

- ▶ Transparent medical grade PVC
- ▶ Kink and pressure resistant
- ▶ For extracorporeal circulation and roller pump lines
- ▶ Packaged in requested length and sterile or non-sterile in reels



Ref	Sterile	I.D.	Wall Thickness	O.D.	Length (cm)
305	1175	1/4"	1/16"	3/8"	175
305	1200	1/4"	1/16"	3/8"	200
306	1175	3/8"	1/16"	1/2"	175
306	1200	3/8"	1/16"	1/2"	200
306	2175	3/8"	3/32"	9/16"	175
306	2200	3/8"	3/32"	9/16"	200
307	2175	1/2"	3/32"	11/16"	175
307	2200	1/2"	3/32"	11/16"	200

Ref	Non-Sterile	I.D.	Wall Thickness	O.D.	Length (m/ reel)	
305	1000	3	1/4"	1/16"	3/8"	100
305	2000	3	1/4"	3/32"	7/16"	50
306	1000	3	3/8"	1/16"	1/2"	50
306	2000	3	3/8"	3/32"	9/16"	40
307	2000	3	1/2"	3/32"	11/16"	30

Straight Connector

- ▶ Meets all connection requirements of the extracorporeal circulation system
- ▶ Unique design and precision moulding techniques allow a smooth transition at tubing and connector junctions reducing blood turbulence
- ▶ Produced from crystal clear polycarbonate allowing maximum visibility during de-airing procedures



Ref		Size
	Luer	
750 0111 1	751 0111 1	3/16" x 3/16"
750 0121 1	751 0121 1	3/16" x 1/4"
750 0221 1	751 0221 1	1/4" x 1/4"
750 0321 1	751 0321 1	1/4" x 3/8"
750 0331 1	751 0331 1	3/8" x 3/8"
750 0421 1	751 0421 1	1/4" x 1/2"
750 0431 1	751 0431 1	3/8" x 1/2"
750 0441 1	751 0441 1	1/2" x 1/2"

“Y” Connector

- ▶ Meets all connection requirements of the extracorporeal circulation system
- ▶ Unique design and precision moulding techniques allow a smooth transition at tubing and connector junctions reducing blood turbulence
- ▶ Produced from crystal clear polycarbonate allowing maximum visibility during de-airing procedures



Ref		Size		
	Luer	①	②	③
754 2221 1	755 2221 1	1/4"	1/4"	1/4"
754 3221 1	755 3221 1	3/8"	1/4"	1/4"
754 3321 1	755 3321 1	3/8"	1/4"	3/8"
754 3331 1	755 3331 1	3/8"	3/8"	3/8"
754 4321 1	755 4321 1	1/2"	3/8"	1/4"
754 4331 1	755 4331 1	1/2"	3/8"	3/8"
754 4421 1	755 4421 1	1/2"	1/2"	1/4"
754 4431 1	755 4431 1	1/2"	1/2"	3/8"
754 4441 1	755 4441 1	1/2"	1/2"	1/2"

Tubing Connector

3/8" x 3/8"

- ▶ Conical connector
- ▶ Strong and safe connection
- ▶ Clear polycarbonate
- ▶ 3/8" x 3/8" connection
- ▶ Length: 88 mm



Ref	
236 0001 1	Sterile
236 0001 3	Bulk

Tubing Connector

3/8" x 1/4"

- ▶ Conical connector
- ▶ Strong and safe connection
- ▶ 3/8" x 1/4" connection
- ▶ Length: 79 mm



Ref	
236 0005 1	Sterile
236 0005 3	Bulk

Conical Connector

- ▶ Luer lock proximal end
- ▶ Length: 40 mm



Ref	
235 0001 1	Sterile
235 0001 3	Bulk

Cardioplegia Set

Adult, pediatric, with coil and with heat exchanger systems

- ▶ For delivery of antegrade/retrograde cardioplegia
- ▶ Custom design
- ▶ Piercing spike without air vent
- ▶ Flexible drip chamber with screen filter
- ▶ Aluminium coil
- ▶ Clamp
- ▶ Male luer lock adapter



Ref	
325 XXXX 1	Adult With Bag
325 XXXX 1	Pediatric With Bag
325 XXXX 1	With Coil
325 XXXX 1	With Heat Exchanger

Vent Catheter

- ▶ Effective drainage
- ▶ Non-traumatic bullet tip
- ▶ Flexible, kink-resistant tubing
- ▶ Depth markings

Ref		Size	Length
Without Connector	With Connector		
330 0391 1	330 0394 1	18 Fr	25 cm
330 0392 1	330 0395 1	18 Fr	40 cm



Cardioplegia Set - Adult



Cardioplegia Set - Pediatric



Cardioplegia Set With Coil



Cardioplegia Set With Heat Exchanger



Ventricular Vent Catheter

PVC

- ▶ Effective drainage
- ▶ Non-traumatic open tip
- ▶ Flexible, kink-resistant tubing
- ▶ With straight connector
- ▶ Depth markings



Ref	Size	Length	Tip Perforation
330 0360 1	16 Fr	43 cm	2.5 cm

Ventricular Vent Catheter

With Malleable Stylet, PVC

- ▶ Effective drainage
- ▶ Non-traumatic open tip
- ▶ Flexible, kink-resistant tubing
- ▶ With straight connector
- ▶ Internal, malleable stylet
- ▶ Depth markings



Ref	Size	Length	Tip Perforation
330 0356 1	18 Fr	38 cm	3 cm

Ventricular Vent Catheter

PVC

- ▶ Effective drainage
- ▶ Non-traumatic rounded closed tip
- ▶ Flexible, kink-resistant tubing
- ▶ With straight connector
- ▶ Depth markings



Ref	Size	Length	Tip Perforation
330 0365 1	16 Fr	38 cm	5.5 cm



Ventricular Vent Catheter

With Luer Connector, PVC

- ▶ Effective drainage
- ▶ Non-traumatic rounded closed tip
- ▶ Flexible, kink-resistant tubing
- ▶ With straight luer connector
- ▶ Depth markings



Ref	Size	Length	Tip Perforation
330 0385 1	16 Fr	38 cm	5.5 cm
330 0386 1	18 Fr	38 cm	7 cm
330 0387 1	20 Fr	38 cm	7 cm



Ventricular Vent Catheter

With Malleable Stylet, With Luer Connector, PVC

- ▶ Effective drainage
- ▶ Non-traumatic rounded closed tip
- ▶ Flexible, kink-resistant tubing
- ▶ With straight luer connector
- ▶ Removable, malleable stylet
- ▶ Depth markings



Ref	Size	Length	Tip Perforation
330 0370 1	10 Fr	32 cm	2 cm
330 0371 1	13 Fr	32 cm	3.5 cm
330 0380 1	16 Fr	38 cm	5.5 cm
330 0381 1	18 Fr	38 cm	7 cm
330 0382 1	20 Fr	38 cm	7 cm



Ventricular Vent Catheter

With Malleable Stylet, Silicone

- ▶ Effective drainage
- ▶ Non-traumatic rounded closed tip
- ▶ Flexible, kink-resistant tubing
- ▶ With straight connector
- ▶ Removable, malleable stylet
- ▶ Depth markings



Ref	Size	Length	Tip Perforation
330 0351 1	16 Fr	38 cm	7 cm
330 0352 1	20 Fr	38 cm	7 cm



Aortic Root Cannula

Without Vent

- ▶ Available without vent line
- ▶ Length: 15 cm
- ▶ Color coded sizes
- ▶ May be used with several unique adapters developed to deliver cardioplegia solution during cardiopulmonary bypass surgery



Ref	Size	Color
330 0101 1	12 G	Green ■
330 0102 1	14 G	White □
330 0103 1	16 G	Pink ■
330 0104 1	18 G	Gold ■



Aortic Root Cannula

With Vent

- ▶ Available with vent line
- ▶ Length: 15 cm
- ▶ Color coded sizes
- ▶ May be used with several unique adapters developed to deliver cardioplegia solution and to vent the left heart during cardiopulmonary bypass surgery



Ref	Size	Color
330 0111 1	12 G	Green ■
330 0112 1	14 G	White □
330 0113 1	16 G	Pink ■



Aortic Root Cannula

35 cm

- ▶ Designed for minimally invasive procedures
- ▶ Available without vent line
- ▶ Length: 35 cm
- ▶ May be used with several unique adapters developed to deliver cardioplegia solution during cardiopulmonary bypass surgery



Ref	Size	Color
330 0122 1	14 G	White ☐



Coronary Artery Perfusion Cannula

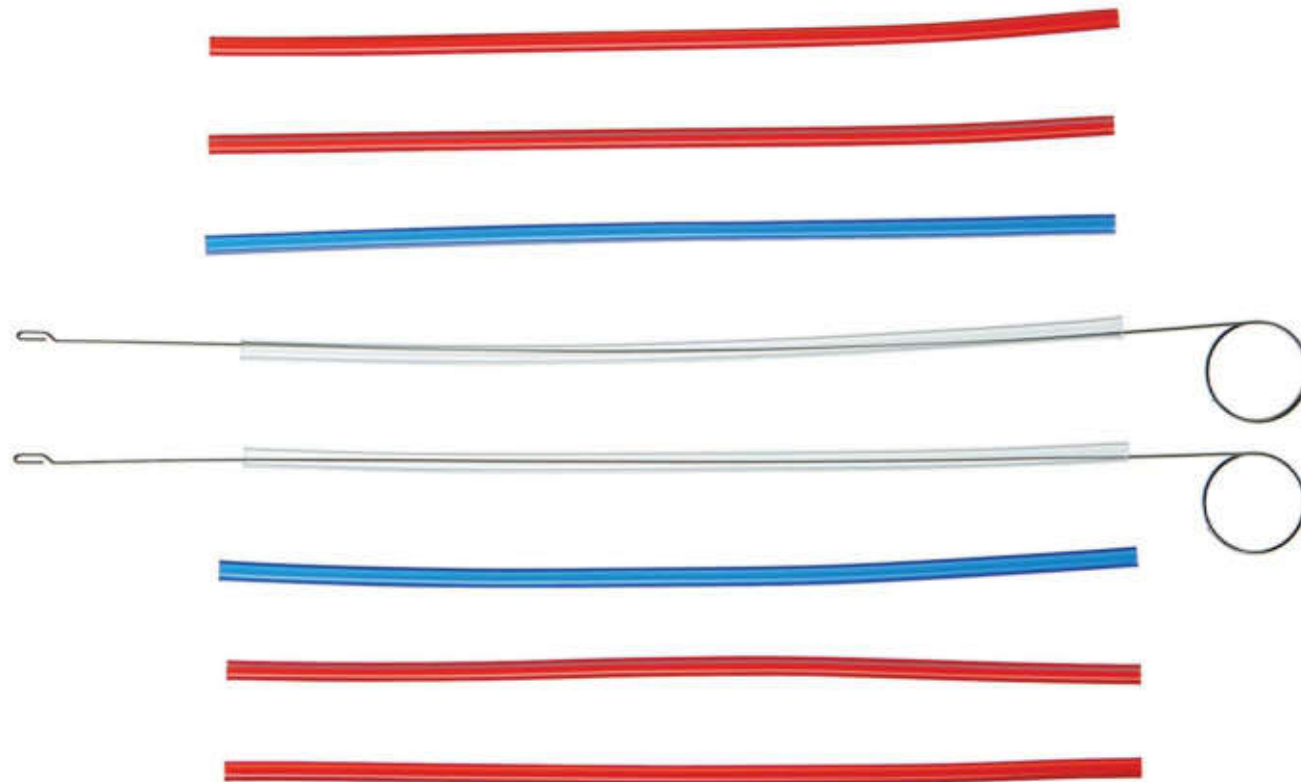
- ▶ Basket tip has a soft flange that occludes the ostium, preventing backflow of cardioplegia
- ▶ Large malleable stainless steel shaft with a plastic handle
- ▶ Terminates with a distal female luer connector
- ▶ Available in either a 45 or 90 degree angle configuration



Ref		Size
45 Degree Tip	90 Degree Tip	
330 0460 1	330 0465 1	10 Fr
330 0461 1	330 0466 1	12 Fr
330 0462 1	330 0467 1	14 Fr

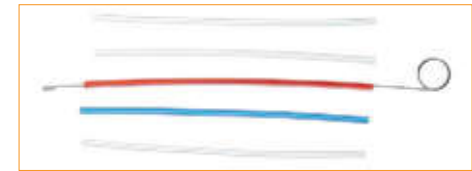
Cannulation Tourniquet Sets

- ▶ All tubes with x-ray detectable stripe

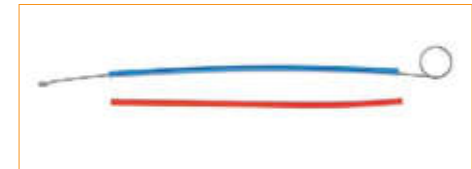


2 snares, 4 red, 2 blue, 2 clear tubes
Ref: 330 0510 1

Ref
330 XXXX 1



1 snare, 1 red, 1 blue, 3 clear tubes
Ref: 330 0511 1



1 snare, 1 red, 1 blue tube
Ref: 330 0518 1



1 snare, 2 red, 1 blue tubes
Ref: 330 05 16 1



1 snare, 1 red, 2 blue, 3 clear tubes
Ref: 330 0513 1



5 clear tubes
Ref: 330 0592 1

Vascular Tourniquet Set

- Options of 2 tubes, 1 tube, 5 tubes
(Length of each tube is 13 cm)
- Integrated plug
- Snare
- Umbilical tape



Ref	Tube Quantity
330 0590 1	2 Tubes
330 0591 1	1 Tube
330 0592 1	5 Tubes

Suction Wands

- Standard and low profile options
- Rigid Tip
- Stainless steel design
- Ergonomic plastic handle
- Accepts 6.35 mm (1/4") connection



Ref	
162 0001 1	Standard
162 0002 1	Low Profile

Cannulation Tourniquet Sets

► All tubes with x-ray detectable stripe



Venting "Y" Adapter
Ref: 330 0322 1

Cardioplegia Adapter, Duplicate
Ref: 330 0323 1



Perfusion "Y" Adapter
Ref: 330 0321 1



Multiple Perfusion Adapter, Triplicate
Ref: 330 0331 1



Multiple Perfusion Adapter
Ref: 330 0341 1



Multiple Perfusion Adapter, w/ Vent Line
Ref: 330 0342 1

Ref	
330 0322 1	Venting "Y" Adapter
330 0321 1	Perfusion "Y" Adapter
330 0323 1	Kardioplegia Adapter, Duplicate
330 0331 1	Multiple Perfusion Adapter, Triplicate
330 0341 1	Multiple Perfusion Adapter
330 0342 1	Multiple Perfusion Adapter w/ Vent Line

Coronary Artery Retraction Clip

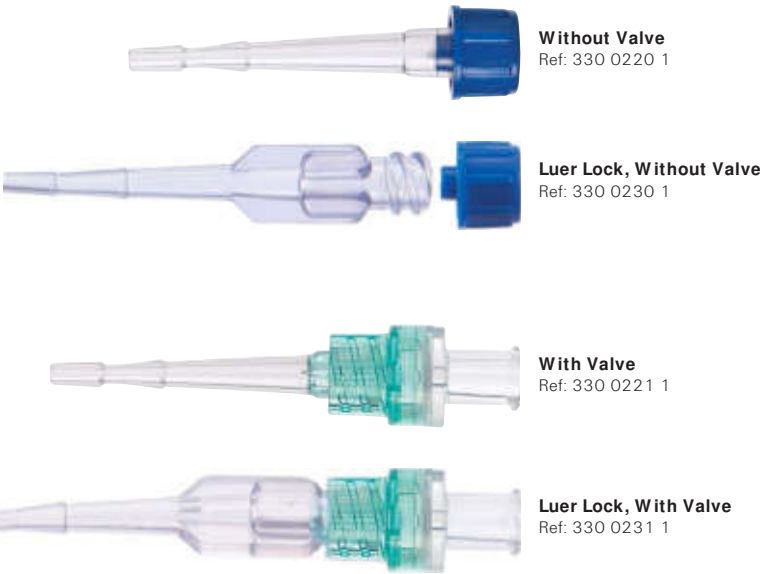
- ▶ Used for retracting perivascular tissues during coronary artery bypass surgery
- ▶ The sharp, curved prongs engage the tissue layer and provide stability.
- ▶ The angulated legs afford room for the anastomosis
- ▶ The coating provides non-slip surfaces so that the clip can be gripped with the gloved hand or forceps



Ref	
330 0450 1	3.0 mm
330 0451 1	5.0 mm

Vessel Cannula

- ▶ Uni-directional flow valve
- ▶ No valve option
- ▶ Soft, rounded tip
- ▶ Corrugated distal design for secure vessel attachment
- ▶ Flexible tubing
- ▶ Female luer / Female luer lock connector



Ref	
330 0220 1	Without Valve
330 0221 1	With Valve
330 0230 1	Luer Lock, Without Valve
330 0231 1	Luer Lock, With Valve

Surgical Braided Tape

3 x (3 mm x 70 cm)

- ▶ Surgical tape with braided uninterrupted filaments
- ▶ Width: 3 mm
- ▶ Length: 70 cm
- ▶ Sterile
- ▶ Three pieces in one package



Ref
723 3070 1

Aortic Punch

- ▶ Superb cutting feature
- ▶ Smooth aortotomy edges
- ▶ Easy to use
- ▶ Secure grip
- ▶ Ergonomic design



Ref	
332 0028 1	2.8 mm
332 0036 1	3.6 mm
332 0040 1	4.0 mm
332 0044 1	4.4 mm
332 0048 1	4.8 mm

Control Injector

12 cc

- ▶ Triple finger design for single handed operation
- ▶ Rotating luer-lock connector
- ▶ Crystal clear barrel
- ▶ Smooth gliding motion
- ▶ Special piston tip design to prevent air embolism
- ▶ Firm grip



Ref
034 0010 1

Angiographic Set

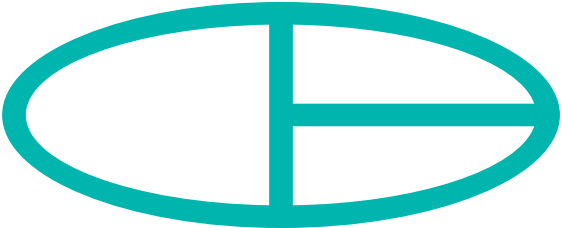
Intended to deliver radio opaque material during hemodynamic studies

- ▶ Manifold
 - For pressures up to 41 bar (600 PSI)
 - Arrows to indicate the direction of flow
 - Clear housing for maximal visual inspection
 - Rotating male luer and female luer connectors
- ▶ Infusion line / Drip chamber and spike
 - Vented spike
 - Air-inlet with snap on cap
 - Flexible drip chamber
 - 15 µm fluid filter
 - Length of tubing: 150 cm
 - Roller clamp
- ▶ Extension line and/or Pressure line
- ▶ Optional Control Injector
 - 12 cc
 - Triple finger design for single handed operation
 - Rotating luer-lock connector
 - Special piston tip design to prevent air
 - Crystal clear barrel
 - Smooth gliding motion embolism
 - Firm grip

Ref	
340 0001 1	With Single Drip Chamber
340 0010 1	With Double Drip Chamber
341 0001 1	With Double Drip Chamber and Control Injector
341 0321 1	With Single Drip Chamber and Control Injector
341 0311 1	With Single Drip Chamber, Vented Spike and Control Injector
341 1012 1	With Double Drip Chamber and Extension Line
341 1011 1	With Double Drip Chamber, Extension Line and Control Injector
341 1401 1	With Double Drip Chamber, Two Extension Lines and Control Injector
034 0090 3	With Single Drip Chamber, Vented Spike and Extension Line

Angiographic Set - With Double Drip Chamber, Extension Line and Control Injector
Ref: 341 1011 1





Global Headquarters:
Kısıklı Mah. Aydınolu Sk.
No:23/1, Üsküdar 34692
İstanbul, Türkiye
T: +90 (212) 210 85 85
F: +90 (212) 210 85 80
E: export@bicakcilar.com

**Manufacturing and
Operation Center:**
Osmangazi Mah. Gazi Cad.
No:21, Esenyurt
34522 İstanbul, Turkey
T: +90 (212) 689 02 20
F: +90 (212) 689 02 29
E: factory@bicakcilar.com

 www.bicakcilar.com
 [bicakcilar-tbbi-cihazlar](https://www.linkedin.com/company/bicakcilar-tbbi-cihazlar)
 [bicakcilar.tbbi](https://www.facebook.com/bicakcilar.tbbi)
 [bicakcilar.tbbi](https://twitter.com/bicakcilar.tbbi)
 [bicakcilar.tbbi.cihazlar](https://www.instagram.com/bicakcilar.tbbi.cihazlar)

