

Fresenius Medical Care

Renal Products Catalog



**FRESENIUS
MEDICAL CARE**

RENAL TECHNOLOGIES

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RENAL TECHNOLOGIES

To place an order, call 800-323-5188

Hemodialysis Machines

Fresenius Medical Care is the leading provider of hemodialysis equipment with an installed base of over 120,000 machines in the U.S., more than all other dialysis brands combined. Physicians, clinicians and administrators have made the Fresenius Medical Care 2008® series hemodialysis machines their preferred choice. The 2008T hemodialysis machine is indicated for acute and chronic hemodialysis therapy. It is our next generation in a decades-long commitment by Fresenius Medical Care to the treatment of end stage renal disease—providing the latest technology, feature-driven, on a proven platform.

- > 2008 Series Hemodialysis Machines
- > 2008 Series Hemodialysis Machine Accessories
- > Portable Reverse Osmosis (RO) Water Treatment Systems
- > 2008K@home™ Hemodialysis Machine
- > 2008K@home Hemodialysis Machine Accessories



Hemodialysis Machines

2008® Series Hemodialysis Machines

Part Number	Description
190713	2008T with Clinical Data eXchange™ (CDX)
190858	2008T without Clinical Data eXchange (CDX)
190766	2008T with Clinical Data eXchange (CDX) with bibag®
190895	2008T without Clinical Data eXchange (CDX) with bibag

2008 Series Hemodialysis Machine Accessories

Part Number	Description
190859	CDX Upgrade Kit for 2008T
190872	bibag® Installation Kit for 2008T
190679	Integrated Auto Disinfect
150105	Acute Wheel Package
650993	DIASAFE® Sample Port
M31909	Blood Volume Monitor (BVM)
190240	Blood Temperature Monitor (BTM)
190277	5th Module Holder
190326	Red Status Light
190381	Single-Needle Pump
190445	Online Clearance for 2008K
5008203	DIASAFE® Plus (10/case)



Hemodialysis Machines

Portable Reverse Osmosis (RO) Water Treatment Systems

Part Number	Description
Z3028181	MHX with ERGO M2 Cart and STD Carbon Block
Z3028182	MHX with ERGO Docking Station and STD Carbon Block
Z3028366	MHX with ERGO M2 Cart and Carbon Tanks
Z3028367	MHX with ERGO Docking Station and Carbon Tanks
Z3028446	WRO300H with ERGO M2 Cart and STD Carbon Block
Z3028447	WRO300H with ERGO Docking Station and STD Carbon Block
Z3028448	WRO300H with ERGO M2 Cart and Carbon Tanks
Z3028449	WRO300H with ERGO Docking Station and Carbon Tanks
Z3028700	WRO300H with M1 Cart and Carbon Block
Z3028183	WRO300 with ERGO M2 Cart and STD Carbon Block
Z3028184	WRO300 with ERGO Docking Station and STD Carbon Block
Z3028368	WRO300 with ERGO M2 Cart and Carbon Tanks
Z3028369	WRO300 with ERGO Docking Station and Carbon Tanks
Z3028699	WRO300 with M1 Cart and Carbon Block
Z3028417	Millenium with M1 Cart and STD Carbon Block
Z3028225	Millenium with ERGO M2 Cart and STD Carbon Block
Z3028224	Millenium with Docking Station and STD Carbon Block
Z3028272	Millenium with M2 Cart and Carbon Tanks
Z3028273	Millenium with ERGO Docking Station and Carbon Tanks



Hemodialysis Machines

2008K@home™ Hemodialysis Machine

Part Number	Description
190904	2008K@home with bibag®
190828	2008K@home without bibag

2008K@home Hemodialysis Machine Accessories

Part Number	Description
190988	WetAlert™ Transmitter for 2008K@home
190893	WetAlert Starter Kit for 2008K@home
190442	WetAlert Retrofit Kit for 2008K@home



2008K@home with bibag



WetAlert Transmitter

Fluid Management Technology

Accurate, real-time fluid management with Crit-Line technology allows the clinician insight as to how a patient is tolerating dialysis throughout a treatment. Adjusting ultrafiltration rates and maximizing the amount of fluid removal, while minimizing the potential for hypovolemic and intradialytic symptoms, is critical to a more effective dialysis treatment.

> Crit-Line IV & CLIC™

> Monitor-Related
Accessories

> Crit-Line III Monitor
& Accessories

> Disposable
Accessories



Fluid Management Technology

Crit-Line® IV & CLiC™

Part Number	Description	Quantity	For Use with
CL10051001	Crit-Line IV Monitor	each	Crit-Line IV
CL10041001	Crit-Line Clip (CLiC) - USB	each	Crit-Line IV & CLiC
CL10041021	CLiC Blood Chamber	36 each / box	Crit-Line IV & CLiC
CL10054004	Crit-Line IV Pole Mount	each	Crit-Line IV
CL80050002	Crit-Line IV User Guide	each	Crit-Line IV
CL90000076	Telegesis Radio	each	Crit-Line IV
CL10029504	CLM Printer Software	each	Crit-Line IV & CLiC
CL44300012	Power Supply	each	Crit-Line IV
CL90000035	Crit-Line US AC Adapter Cord	each	Crit-Line IV
190751-18	2008T USB Updater F2.61/ A2.27 / U1.17	each	2008T w/ CLiC
190929	Kit, CLiC Wireless Printing Client	each	2008T w/ CLiC
190930	Kit, CLiC Wireless Printing Server	each	2008T w/ CLiC



Fluid Management Technology

Crit-Line® III Monitor & Accessories

Part Number	Description	Quantity
CL10021053	Crit-Line III Monitor (CLM)	each

Disposable Accessories

Part Number	Description	Quantity
191058	Crit-Line III Blood Chamber II	36 each / box

Monitor-Related Accessories

Part Number	Description	Quantity
CL10023029	CLM ConnexLink 4490 Wireless - Client	each
CL10023030	CLM ConnexLink 5124 Wireless - Server	each
CL10023036	Cable - RJ-45 DB 9 1FT. (Female)	each
CL10023037	Cable, Y-Split	each
CL10029504	CLM Printer Software	each
CL44300012	Crit-line Universal Power Supply	each
CL56300000	TQA/CLM III Battery 12V	each
CL77400000	Cable Holder 3/8" (Internal Use Only)	each
CL90000012	8 Foot DB9 / RJ45 Serial Cable	each

Part Number	Description	Quantity
CL90000016	UK AC Adapter Cord	each
CL90000018	European AC Adapter Cord	each
CL90000023	Crit-Line Pole Mount - Short Arm	each
CL90000027	Japanese Power Supply Cord	each
CL90000035	Crit-Line US AC Adapter Cord	each
CL90000040	Crit-Line Battery Installation Kit	each
CL90000054	Crit-Line Bezel Kit (includes bezel assembly)	each
CL90000071	Pole Mount - Thumb Screw	each
CL90000074	US Power Cord Medical Grade 10ft	each

Renal Products Catalog

Dialyzers

With over 20 years of exacting science, Fresenius Renal Technologies manufactures and distributes dialysis products and equipment throughout North America, including the most prescribed dialyzer brand in the United States, Optiflux®.

Whether you require high flux for removal of small and middle molecule solutes; low flux for diffusive small molecule removal, or low volume to minimize extracorporeal circuit volume, we offer a wide range of single-use dialyzers to meet the clinical needs of all patient types.

- > High Flux
.....
- > Low Flux
.....
- > Low Volume
.....
- > Sterilization Options
.....



Dialyzers



High Flux

The proven technology of Advanced Fresenius Polysulfone® quality, biocompatibility and performance provide the foundation upon which Optiflux® dialyzer technology is built. Our asymmetric membrane structure provides a unique barrier that adsorbs endotoxins. Other advances in fiber and dialyzer technology enable increased dialysate turbulence to improve small solute removal. The resulting steeper sieving curve enhances small and middle molecule clearance without increasing albumin loss.

Part Number	Dialyzer	Unit	Qty/Case	Surface Area (m ²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB300/QD500 mL/min)	Clearance QB 300, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B ₁₂
0500316E	Optiflux F160NRe	Case	12	1.5	87	61	E beam	1167	271	242	241	153
0500318E	Optiflux F180NRe	Case	12	1.7	102	76	E beam	1321	277	253	253	169
0500318N	Optiflux F180NR	Case	12	1.7	105	58	EtO	1145	274	251	238	168
0500320E	Optiflux F200NRe	Case	12	1.9	113	74	E beam	1415	280	259	254	177
0500325E	Optiflux F250NRe	Case	12	2.5	142	111	E beam	1714	287	273	274	205



Low Flux

Low flux dialyzers allow patients with a smaller surface area to achieve desired Kt/V adequacy goals with the same reliability in performance and biocompatibility as our high flux dialyzers. Additionally, our variety of available low flux dialyzers provides the clinician with options to individualize patient care.

Part Number	Dialyzer	Unit	Qty/Case	Surface Area (m ²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB300/QD500 mL/min)	Clearance QB 200, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B ₁₂
0520165A	Hemoflow™ F3	Case	15	0.4	24	1.7	EtO	231	125	95	47	20
0520161A	Hemoflow F4	Case	15	0.7	42	2.8	EtO	374	155	128	76	32
0500306E	Optiflux F16NRe	Case	12	1.5	84	10.0	E beam	977	193	180	146	80
0500308E	Optiflux F18NRe	Case	12	1.8	103	12.0	E beam	1321	194	183	156	91

Dialyzers



Low Volume

Fresenius Renal Technologies' low volume dialyzers are a viable option for smaller patients and those with a low blood volume. Using a low volume dialyzer in conjunction with a low volume bloodline may help to minimize the amount of blood outside the patient's body during therapy.

Part Number	Dialyzer	Unit	Qty/Case	Surface Area (m ²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB200/QD500 mL/min)	Clearance QB 200, QD 500 mL/min			
									Urea	Creatinine	Phosphate	Vitamin B ₁₂
0520165A	Hemoflow F3	Case	15	0.4	24	1.7	EtO	231	125	95	47	20
0520161A	Hemoflow F4	Case	15	0.7	42	2.8	EtO	374	155	128	76	32
0500714S	Hemoflow F40S	Case	12	0.7	42	20	Steam	445	165	140	138	80



Sterilization Options

Fresenius Renal Technologies also offers dialyzer options in steam and ethylene oxide (EtO) sterilization.

Part Number	Dialyzer	Unit	Qty/Case	Surface Area (m ²)	Prime Volume (mL)	Kuf (in vitro bovine 32%)	Sterilant	KoA Urea (at QB200/QD500 mL/min)	Clearance QB 200, QD 500 mL/min				
									Urea	Creatinine	Phosphate	Vitamin B ₁₂	
0520165A	Hemoflow F3	Case	15	0.4	24	1.7	EtO	231	125	95	47	20	
0520161A	Hemoflow F4	Case	15	0.7	42	2.8	EtO	374	155	128	76	32	
0500714S	Hemoflow F40S	Case	12	0.7	42	20	Steam	445	165	140	138	80	
									Clearance QB 300, QD 500 mL/min				
									KoA Urea (at QB300/QD500 mL/min)	Urea	Creatinine	Phosphate	Vitamin B ₁₂
0500318N	Optiflux F180NR	Case	12	1.7	105	58	EtO	1145	197	187	185	141	

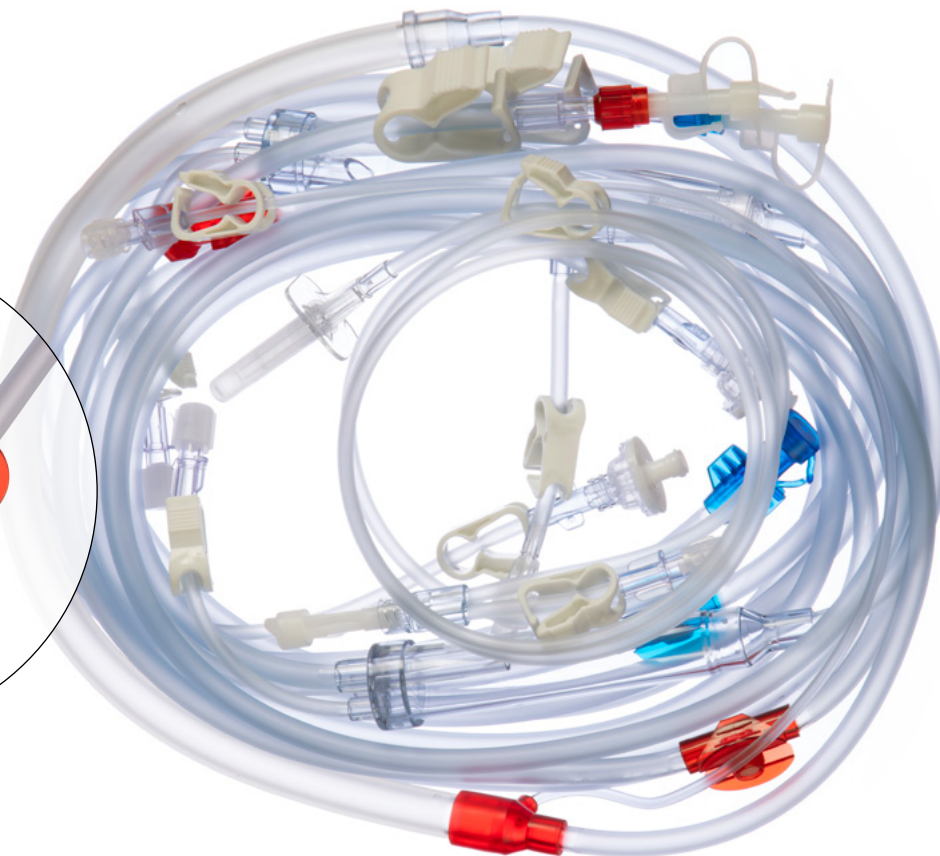
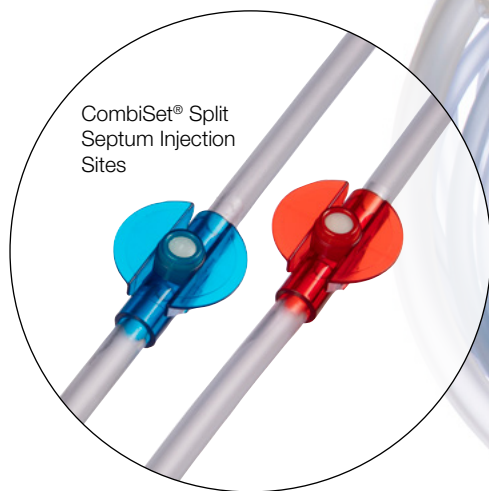
Bloodlines

True to its name, our CombiSet® True Flow Series hemodialysis bloodlines are designed to deliver accurate blood flow from the beginning to the end of patients' hemodialysis treatments. CombiSet True Flow bloodlines are made with specially blended polymers and advanced extrusion technology to withstand the stresses of hemodialysis treatment, while delivering blood to the dialyzer at an accurate and consistent rate. Designed to perform optimally with our 2008 series machines, our bloodlines treat a wide range of patient and clinical needs.

- > 2600 Series CombiSet
- > 2700 Series CombiSet
- > Specialty CombiSet - Blood Volume Monitoring
- > Specialty CombiSet - Home Hemodialysis
- > Specialty CombiSet - Single Needle
- > Specialty CombiSet - Low Volume
- > Specialty CombiSet - Additional Venous Injection Site
- > Bloodline Ancillaries



Bloodlines

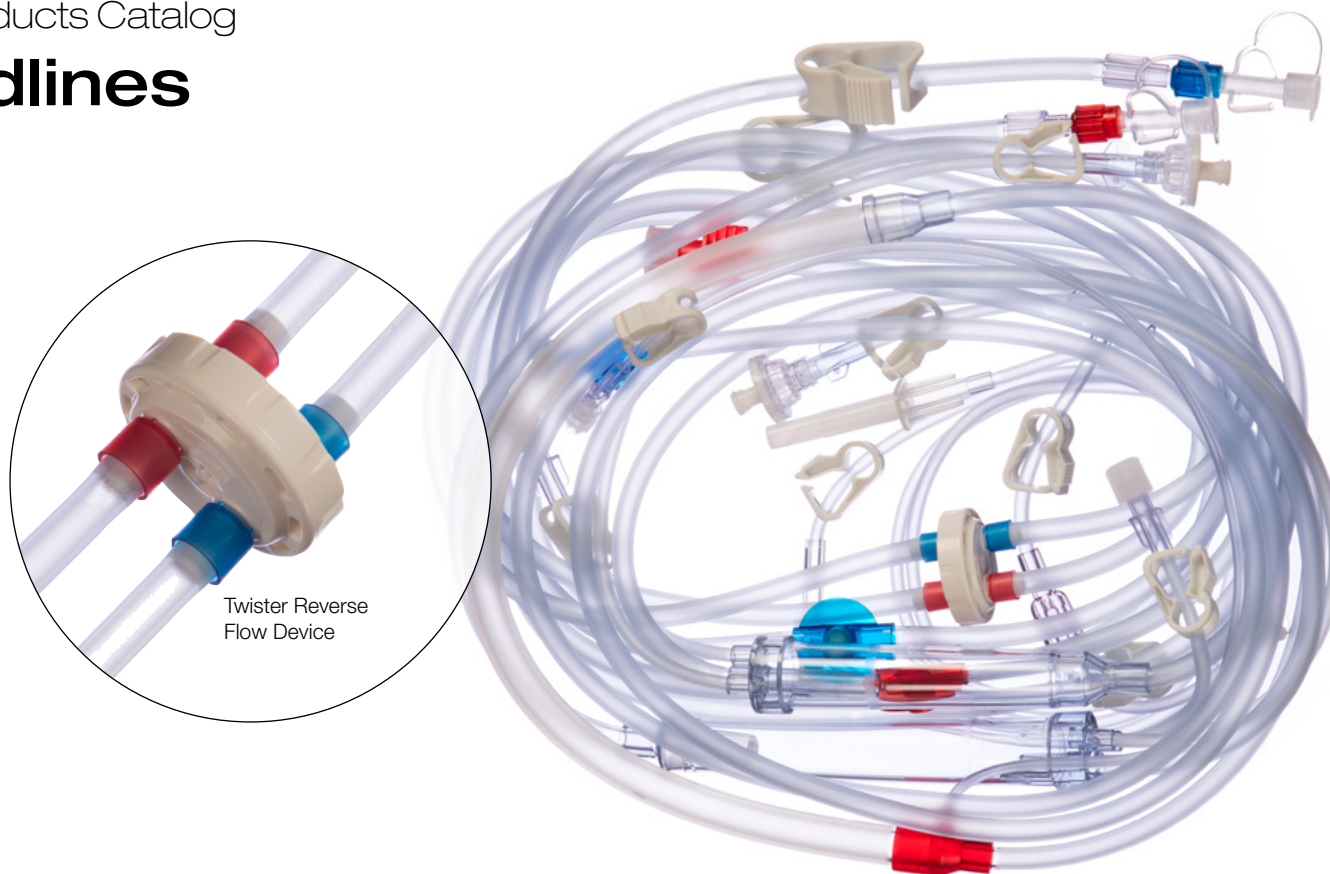


2600 Series CombiSet®

Includes split-septum injection site, viral-retentive transducer protectors and stand-alone priming set with needleless access port.

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2621-5	2008® Series 8 mm Post-pump Bloodline	Case	24	8	14	78	60
03-2622-3	2008 Series 8 mm Pre-pump Bloodline	Case	24	8	14	82	60
03-2630-6	2008 Series 6.35 mm Pre-pump Bloodline	Case	24	6.35	14	76	60
03-2631-4	2008 Series 6.35 mm Post-pump Bloodline	Case	24	6.35	14	71	60

Bloodlines



2700 Series CombiSet®

Includes split-septum injection site, viral-retentive transducer protectors and bonded priming set with needless access port and Y-injection site bonded to arterial line.

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2722-9	2008® Series 8 mm Pre-pump Bloodline	Case	24	8	14	82	60
03-2742-9	2008 Series 8 mm Pre-pump Bloodline, No Heparin Line	Case	24	8	14	82	60
03-2794-0	2008 Series 8 mm Pre-pump Bloodline with Twister® Reverse Flow Device	Case	24	8	14	82	60

Bloodlines



Specialty CombiSet® - Blood Volume Monitoring

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2695-9	2008® Series 8 mm BVM Bloodline (Canada Only)	Case	24	8	14	93	58
03-2698-3	2008 Series 6.35 mm Low Volume BVM Bloodline (Canada Only)	Case	12	6.35	14	51	33
03-2795-7	2008 Series 8 mm BVM Bloodline (US Only)	Case	24	8	14	93	58

Bloodlines



Specialty CombiSet® - Home Hemodialysis

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2932-6	2008® Series 8 mm Home Hemodialysis with Prime Bag (Canada Only)	Case	24	8	14	78	56
03-2962-3	2008 Series 8 mm Home Hemodialysis with Prime Bag	Case	24	8	14	78	56

Bloodlines



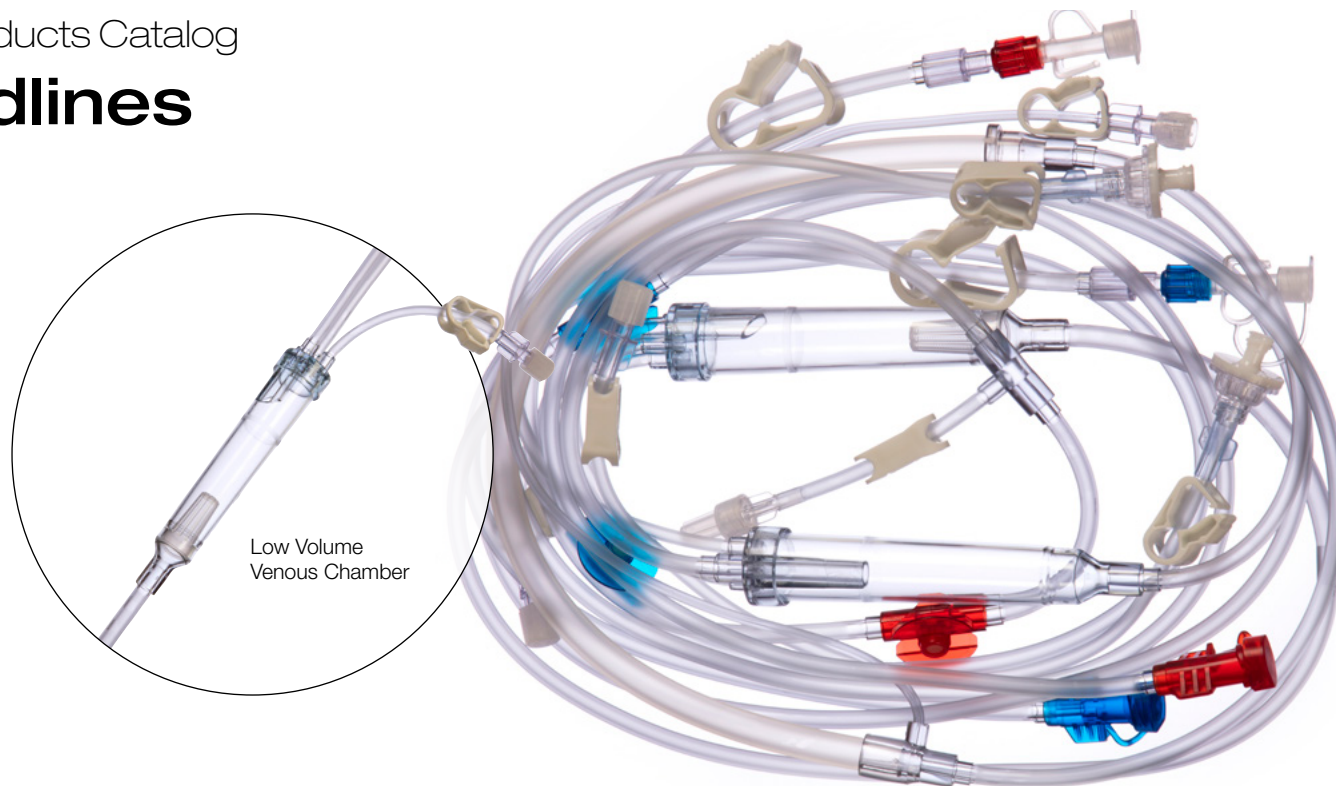
Single Needle Compliance Chamber



Specialty CombiSet® - Single Needle

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2696-7	2008® Series 8 mm Single Needle Bloodline	Case	20	8	14	125	60

Bloodlines



Specialty CombiSet® - Low Volume

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2692-6	2008® Series 6.35 mm Low Volume Pre-pump Bloodline	Case	12	6.35	14	45	33

Specialty CombiSet - Additional Venous Injection Site

Part Number	Description	Unit	Sets Per Case	Pump Segment		Priming Volume	
				Width (mm)	Length (in)	Arterial (cc)	Venous (cc)
03-2922-7	2008 Series 8 mm Pre-pump Bloodline with Second Venous Injection Site. Longer Tubing Length Between Drip Chamber and Pump Segment	Case	24	8	14	85	60

Bloodlines



Transducer Protectors



HemaClip™ Bloodline Connector

Bloodline Ancillaries

Part Number	Description
04-9006-5	Priming Set for Arterial Bloodlines, with Needleless Access Port. 100 Per Case, EtO Sterilized
04-9100-1	HemaClip Bloodline Connector, for Use Only with CombiSet® Bloodlines. 400 Per Case, Non-Sterile
04-9500-2	Transducer Protectors, Viral-retentive Membranes. Bulk Pack, 100 Per Bag, EtO Sterilized
04-9502-8	Recirculation Connector, Individually Wrapped. 200 Per Case, Sterile
35-8181-6	Recirculation Connector, Individually Wrapped. 100 Per Bag, Sterile
M8-5007	MEDIC Plastic Antistick Needle. 1000 Per Case, Sterile

Concentrates

Fresenius Renal Technologies has been a leading supplier of hemodialysis concentrates for over 20 years by offering a complete range of acid and bicarbonate concentrates to meet patient's needs. We continue to offer technological innovations to the market by providing products such as citric based acid concentrate as well as traditional acetic based acid concentrate. bibag® on-line dry bicarbonate concentrate is an efficient way to deliver bicarbonate, however we also provide single and multi-treatment bicarbonate powder as well as liquid sodium bicarbonate.

Liquid Acid Cases

> NaturaLyte®

> Citrasate

Liquid Acid Drums

> NaturaLyte

> Citrasate

Dry Acid

> GranuFlo®

> Citrasate DRY

> Dissolution Units

Bicarbonate

> NaturaLyte Dry Bicarbonate

> Liquid Sodium Bicarbonate

> bibag On-line Dry Bicarbonate

Concentrates



NaturaLyte® Liquid Acid Concentrate (Cases)

Acetic Acid Based - 45X Proportioning, 0.905 Gallons (3.43 Liters) Per Bottle

Part Number	Description	Unit	Bottles / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
08-0231-4	NaturaLyte Liquid Bottle 0K, 2.25Ca, 1Mg	Case	4	0	2.25	1.0	103.25	100	100	4.0	N/A
08-1001-0	NaturaLyte Liquid Bottle 1K, 0.0Ca, 1Mg	Case	4	1	0.00	1.0	102.00	100	100	4.0	N/A
08-1201-8	NaturaLyte Liquid Bottle 1K, 2.0Ca, 1Mg	Case	4	1	2.00	1.0	104.00	100	100	4.0	N/A
08-1231-3	NaturaLyte Liquid Bottle 1K, 2.25Ca, 1Mg	Case	4	1	2.25	1.0	104.25	100	100	4.0	N/A
08-1251-1	NaturaLyte Liquid Bottle 1K, 2.5Ca, 1Mg	Case	4	1	2.50	1.0	104.50	100	100	4.0	N/A
08-1301-4	NaturaLyte Liquid Bottle 1K, 3.0Ca, 1Mg	Case	4	1	3.00	1.0	105.00	100	100	4.0	N/A
08-2201-5	NaturaLyte Liquid Bottle 2K, 2.0Ca, 1Mg	Case	4	2	2.00	1.0	105.00	100	100	4.0	N/A
08-2231-2	NaturaLyte Liquid Bottle 2K, 2.25Ca, 1Mg	Case	4	2	2.25	1.0	105.25	100	100	4.0	N/A
08-2251-0	NaturaLyte Liquid Bottle 2K, 2.5Ca, 1Mg	Case	4	2	2.50	1.0	105.50	100	100	4.0	N/A
08-2301-3	NaturaLyte Liquid Bottle 2K, 3.0Ca, 1Mg	Case	4	2	3.00	1.0	106.00	100	100	4.0	N/A
08-2351-8	NaturaLyte Liquid Bottle 2K, 3.5Ca, 1Mg	Case	4	2	3.50	1.0	106.50	100	100	4.0	N/A
08-3201-4	NaturaLyte Liquid Bottle 3K, 2.0Ca, 1Mg	Case	4	3	2.00	1.0	106.00	100	100	4.0	N/A
08-3231-1	NaturaLyte Liquid Bottle 3K, 2.25Ca, 1Mg	Case	4	3	2.25	1.0	106.25	100	100	4.0	N/A
08-3251-9	NaturaLyte Liquid Bottle 3K, 2.5Ca, 1Mg	Case	4	3	2.50	1.0	106.50	100	100	4.0	N/A
08-3301-2	NaturaLyte Liquid Bottle 3K, 3.0Ca, 1Mg	Case	4	3	3.00	1.0	107.00	100	100	4.0	N/A
08-4231-0	NaturaLyte Liquid Bottle 4K, 2.25Ca, 1Mg	Case	4	4	2.25	1.0	107.25	100	100	4.0	N/A

Concentrates



Citrasate Liquid Acid Concentrate (Cases)

Citric Acid Based - 45X Proportioning, 1 Gallon (3.78 Liters) Per Bottle

Part Number	Description	Unit	Bottles / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
08-1251-CA	Citrasate Liquid Bottle 1K, 2.5Ca, 1Mg	Case	4	1	2.50	1.0	104.50	100	100.3	0.3	2.4
08-2251-CA	Citrasate Liquid Bottle 2K, 2.5Ca, 1Mg	Case	4	2	2.50	1.0	105.50	100	100.3	0.3	2.4
08-3251-CA	Citrasate Liquid Bottle 3K, 2.5Ca, 1Mg	Case	4	3	2.50	1.0	106.50	100	100.3	0.3	2.4

Concentrates



NaturaLyte® Liquid Acid Concentrate (Drums)

Acetic Acid Based - 45X Proportioning, 55 gallons (208.2 Liters) Per Drum

Part Number	Description	Unit	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
13-1251-1	NaturaLyte Liquid Drum 1K, 2.5Ca, 1Mg	Drum	1	2.50	1.0	104.50	100	100	4.0	N/A
13-2201-5	NaturaLyte Liquid Drum 2K, 2.0Ca, 1Mg	Drum	2	2.00	1.0	105.00	100	100	4.0	N/A
13-2231-2	NaturaLyte Liquid Drum 2K, 2.25Ca, 1Mg	Drum	2	2.25	1.0	105.25	100	100	4.0	N/A
13-2251-0	NaturaLyte Liquid Drum 2K, 2.5Ca, 1Mg	Drum	2	2.50	1.0	105.50	100	100	4.0	N/A
13-3231-1	NaturaLyte Liquid Drum 2K, 2.25Ca, 1Mg	Drum	3	2.25	1.0	106.25	100	100	4.0	N/A
13-3251-9	NaturaLyte Liquid Drum 3K, 2.5Ca, 1Mg	Drum	3	2.50	1.0	106.50	100	100	4.0	N/A

Citrasate Liquid Acid Concentrate (Drums)

Citric Acid Based - 45X Proportioning, 55 gallons (208.2 Liters) Per Drum

Part Number	Description	Unit	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
13-1251-CA	Citrasate Liquid Drum 1K, 2.5Ca, 1Mg	Drum	1	2.50	1.0	104.50	100	100.3	0.3	2.4
13-2251-CA	Citrasate Liquid Drum 2K, 2.5Ca, 1Mg	Drum	2	2.50	1.0	105.50	100	100.3	0.3	2.4
13-3251-CA	Citrasate Liquid Drum 3K, 2.5Ca, 1Mg	Drum	3	2.50	1.0	106.50	100	100.3	0.3	2.4

Concentrates



GranuFlo® Dry Acid Concentrate (Cases)

Acetic Acid Based (GranuFlo acetate is sodium acetate 4.0 mEq/L and acetic acid 4.0 mEq/L) - 45X Proportioning, 16.5 Gallons (62.46 Liters) Per Case

Part Number	Description	Unit	Bags / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
0FD1251-3B	GranuFlo Dry Acid Case 1K, 2.5Ca, 1Mg	Case	3	1	2.50	1.0	100.50	100	100	8.0	N/A
0FD2201-3B	GranuFlo Dry Acid Case 2K, 2.0Ca, 1Mg	Case	3	2	2.00	1.0	101.00	100	100	8.0	N/A
0FD2231-3B	GranuFlo Dry Acid Case 2K, 2.25Ca, 1Mg	Case	3	2	2.25	1.0	101.25	100	100	8.0	N/A
0FD2251-3B	GranuFlo Dry Acid Case 2K, 2.5Ca, 1Mg	Case	3	2	2.50	1.0	101.50	100	100	8.0	N/A
0FD2301-3B	GranuFlo Dry Acid Case 2K, 3.0Ca, 1Mg	Case	3	2	3.00	1.0	102.00	100	100	8.0	N/A
0FD3201-3B	GranuFlo Dry Acid Case 3K, 2.0Ca, 1Mg	Case	3	3	2.00	1.0	102.00	100	100	8.0	N/A
0FD3231-3B	GranuFlo Dry Acid Case 3K, 2.25Ca, 1Mg	Case	3	3	2.25	1.0	102.25	100	100	8.0	N/A
0FD3251-3B	GranuFlo Dry Acid Case 3K, 2.5Ca, 1Mg	Case	3	3	2.50	1.0	102.50	100	100	8.0	N/A
0FD3301-3B	GranuFlo Dry Acid Case 3K, 3.0Ca, 1Mg	Case	3	3	3.00	1.0	103.00	100	100	8.0	N/A

Concentrates



Citrasate DRY – Dry Acid Concentrate (Cases)

Citric Acid Based - 45X Proportioning, 16.5 Gallons (62.46 Liters) Per Case

Part Number	Description	Unit	Bags / Case	K (mEq/L)	Ca (mEq/L)	Mg (mEq/L)	Cl (mEq/L)	Dextrose (mg/dL)	Na (mEq/L)	Acetate (mEq/L)	Citrate (mEq/L)
0FD1231-DA	Citrasate Dry Acid Case 1K, 2.25Ca, 1Mg	Case	4	1	2.25	1.0	104.25	100	100.3	0.3	2.4
0FD1251-DA	Citrasate Dry Acid Case 1K, 2.5Ca, 1Mg	Case	4	1	2.50	1.0	104.50	100	100.3	0.3	2.4
0FD2231-DA	Citrasate Dry Acid Case 2K, 2.25Ca, 1Mg	Case	4	2	2.25	1.0	105.25	100	100.3	0.3	2.4
0FD2251-DA	Citrasate Dry Acid Case 2K, 2.5Ca, 1Mg	Case	4	2	2.50	1.0	105.50	100	100.3	0.3	2.4
0FD2301-DA	Citrasate Dry Acid Case 2K, 3.0Ca, 1Mg	Case	4	2	3.00	1.0	106.00	100	100.3	0.3	2.4
0FD3231-DA	Citrasate Dry Acid Case 3K, 2.25Ca, 1Mg	Case	4	3	2.25	1.0	106.25	100	100.3	0.3	2.4
0FD3251-DA	Citrasate Dry Acid Case 3K, 2.5Ca, 1Mg	Case	4	3	2.50	1.0	106.50	100	100.3	0.3	2.4
0FD3301-DA	Citrasate Dry Acid Case 3K, 3.0Ca, 1Mg	Case	4	3	3.00	1.0	107.00	100	100.3	0.3	2.4

Dry Acid Dissolution Units

Part Number	Description	Diameter	Width	Height	Weight (Empty)	Weight (Full)
160147	Dry Acid Dissolution Unit, 132 Gallons	55 inches	36 inches	60 inches	395 lbs	1,775 lbs
160148	Dry Acid Dissolution Unit, 99 Gallons	50 inches	28 inches	56 inches	200 lbs	1,025 lbs

Concentrates



NaturaLyte Bicarbonate Concentrate



Liquid Sodium Bicarbonate Concentrate



bibag On-line Dry Bicarbonate Concentrate

NaturaLyte® Bicarbonate Concentrate 45X Proportioning

Part Number	Description	Unit	Qty/Unit	Gallons/Unit	Packaging	Contents
08-4400-1	NaturaLyte Dry Bicarbonate Carton 2.1 Gallons	Case	12	25.2	1 Carton Yields 2.1 Gallons	650 gm Sodium Bicarbonate/Carton
08-4110-6	NaturaLyte Dry Bicarbonate Bag 15.85 Gallons	Bag	1	15.85	1 Bag Yields 15.85 Gallons	4,875 gm Sodium Bicarbonate/Bag
08-4112-2	NaturaLyte Dry Bicarbonate Bag 25.4 Gallons	Bag	1	25.4	1 Bag Yields 25.4 Gallons	7,807 gm Sodium Bicarbonate/Bag

Liquid Sodium Bicarbonate Concentrate 45X Proportioning

Part Number	Description	Unit	Qty/Unit	Gallons/Unit	Packaging	Contents
08-67753-0	Minntech Centrisol Liquid Bicarbonate Bottle	Case	4	4	1 Bottle Contains 1 Gallon (3.78 L)	81.25 gm/L Sodium Bicarbonate

bibag® On-line Dry Bicarbonate Concentrate* 45X Proportioning

Part Number	Description	Unit	Qty/Unit	Contents
08-4078-BB	bibag On-line Dry Bicarbonate 650 gram Bag	Case	16	650 gm Sodium Bicarbonate
08-4080-BB	bibag On-line Dry Bicarbonate 900 gram Bag	Case	12	900 gm Sodium Bicarbonate

*Compatible with Fresenius Medical Care Hemodialysis Machine equipped with the bibag module.

For more information, including Indications, Safety and Warnings, visit www.fmcna-concentrates.com

Renal Products Catalog

Saline

Saline plays an integral role in dialysis treatments and is normally used to maintain liquid volume in the blood. It also is used to wet the blood circuit during hemodialysis and, near the end of the treatment, it is used to push the blood back into the patient.

> Saline



Saline

Saline

Part Number	Description	Unit	Bags/Case	NDC # (USA)	NDC # (Mexico)
060-10109	Saline, 0.9%, 1000 mL	Case	12	49230-300-10	46163-300-10



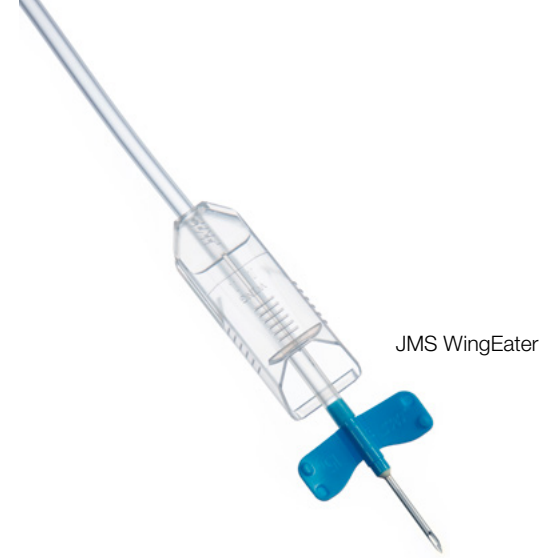
Fistula Needles

Fistula needles are the crucial link between the patient and the dialysis machine, requiring quality, safety and comfort.

- > JMS WingEater
.....
- > JMS SysLoc
.....
- > JMS SysLoc MINI
.....
- > JMS Harmony (Blunt Needle)
.....
- > JMS Non-Safety
.....
- > Nipro Tulip
.....
- > Nipro SafeTouch II
.....
- > Nipro BioHole (Blunt Needle)
.....



Fistula Needles



JMS WingEater

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
820-1476-33	JMS	Single	14	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-1844-33	JMS	Single	18	1	Fixed	Backeye	12	Yes	N/A	Drop Ship	CS	250
820-5002-33	JMS	Single	15	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-5006-33	JMS	Single	15	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-6013-33	JMS	Single	16	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-6014-33	JMS	Single	16	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-7001-33	JMS	Single	17	1	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-7005-33	JMS	Single	17	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	CS	250
820-2402-33	JMS	Twin	14	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400
820-2531-33	JMS	Twin	15	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400
820-2632-33	JMS	Twin	16	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400
820-2717-33	JMS	Twin	17	1	Fixed	Arterial - Backeye Venous - Regular	12	Arterial - Red Venous - Blue	N/A	Stocked	CS	400

Fistula Needles



JMS SysLoc

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
824-1502-33	JMS	Single	15	1.25	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
824-1602-33	JMS	Single	16	1.25	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300

JMS SysLoc MINI

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
864-1400-33	JMS	Single	14	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
864-1500-33	JMS	Single	15	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
864-1600-33	JMS	Single	16	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300
864-1700-33	JMS	Single	17	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	CS	300

Fistula Needles

JMS Harmony (Blunt Needle)



JMS Harmony (Blunt Needle)

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
827-1400-33	JMS	Single	14	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300
827-1402-33	JMS	Single	14	1	Fixed	Backeye	16	Yes	Yes	Drop Ship	CS	200
827-1500-33	JMS	Single	15	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300
827-1503-33	JMS	Single	15	1	Fixed	Backeye	16	Yes	Yes	Drop Ship	CS	200
827-1600-33	JMS	Single	16	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300
827-1603-33	JMS	Single	16	1	Fixed	Backeye	16	Yes	Yes	Drop Ship	CS	200
827-1700-33	JMS	Single	17	1	Fixed	Backeye	12	Yes	Yes	Stocked	CS	300

Fistula Needles

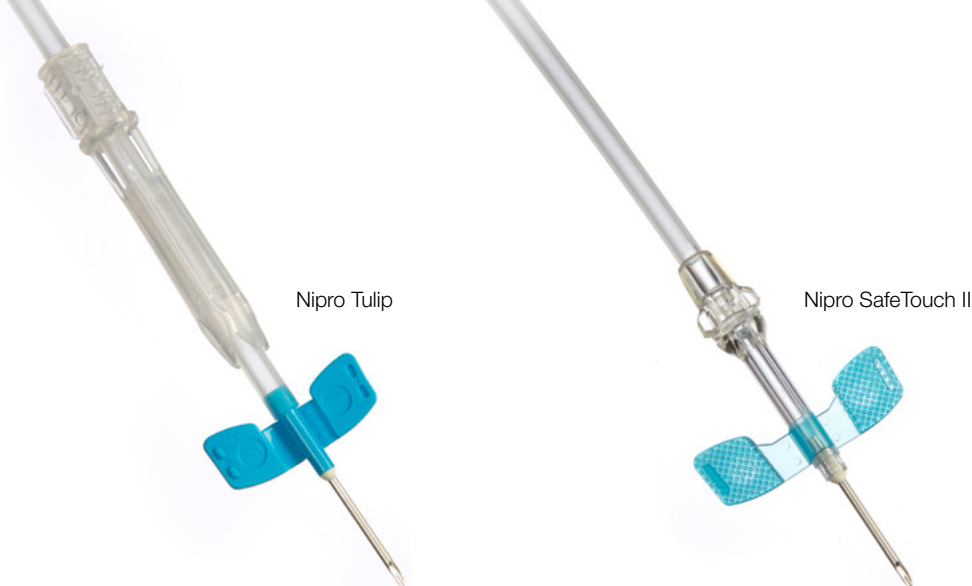


JMS Non-Safety

JMS Non-Safety

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
820-1590	JMS	Single	15	1.25	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
820-3500	JMS	Single	15	1	Fixed	Backeye	4	Yes	N/A	Stocked	BX	50
823-1701	JMS	Single	17	1	Rotating Hub	Backeye	12	Yes	N/A	Stocked	BX	50

Fistula Needles



Nipro Tulip

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
15-FT14BC-0	NIPRO	Single	14	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
15-FT15BC-0	NIPRO	Single	15	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
15-FT16BC-0	NIPRO	Single	16	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
15-FT17BC-0	NIPRO	Single	17	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50

Nipro SafeTouch II

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
FS-142530BC	NIPRO	Single	14	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
FS-152530BC	NIPRO	Single	15	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
FS-162530BC	NIPRO	Single	16	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50
FS-172530BC	NIPRO	Single	17	1	Fixed	Backeye	12	Yes	N/A	Stocked	BX	50

Fistula Needles

Nipro BioHole (Blunt Needle)



Nipro BioHole (Blunt Needle)

Part Number	Manufacturer	Single or Twin	Gauge	Cannula Length (Inches)	Wing	Slit	Tube Length (Inches)	Clamp	Scab Removal	Stocked or Drop Ship	Base UOM	Eaches per Base UOM
15-FD14BC-0	NIPRO	Single	14	1	Fixed	Backeye	12	Yes	Yes	Stocked	BX	50
15-FD15BC-0	NIPRO	Single	15	1	Fixed	Backeye	12	Yes	Yes	Stocked	BX	50

Renal Products Catalog

Ancillary Products

Fresenius Medical Care offers a wide range of Ancillary Products to meet your dialysis needs.

* PDF list of Ancillary Products sorted by Product Type [Click Here >](#)

* PDF list of Ancillary Products sorted by Product Code Number [Click Here >](#)

* Note: PDF will open in a separate browser window.



CAUTION: Federal (US) law restricts these devices to sale by or on the order of a physician.

NOTE: For safe and proper use of a device refer to the device's Instructions for Use.

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