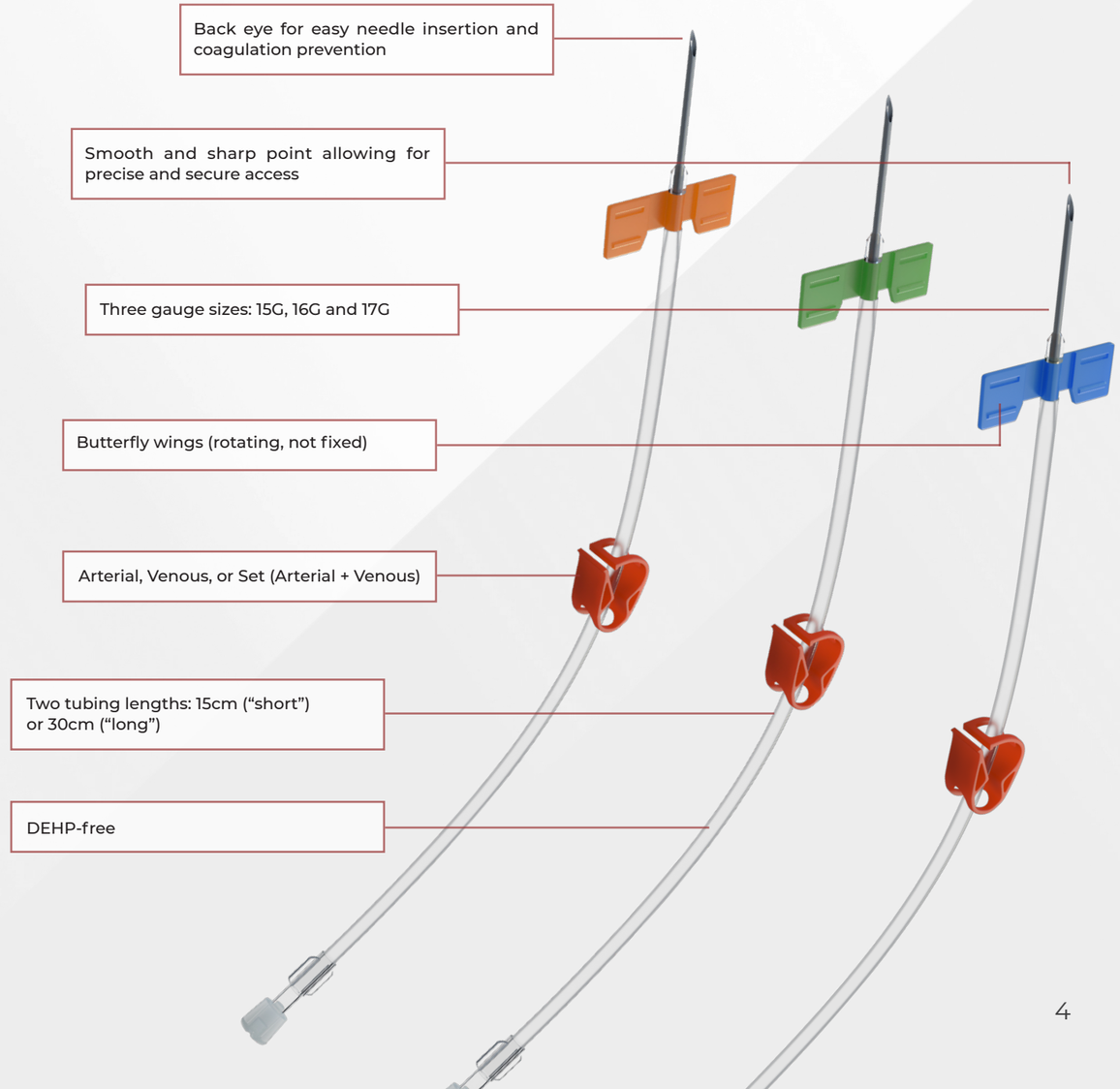
FISTULA NEEDLES

Fistula Needle Specifications		
Color	**Product Name**	**Description**
Blue	**NephroNeedle15ASE**	Arterial line, 15G (1.8 * 25mm) 150mm, ETO sterilized
Blue	**NephroNeedle15VSE**	Venous line, 15G (1.8 * 25mm) 150mm, ETO sterilized
Blue	**NephroNeedle15AVSE**	Set, Arterial + Venous line, 15G (1.8 * 25mm) 150mm, ETO sterilized
Blue	**NephroNeedle15ASR**	Arterial line, 15G (1.8 * 25mm) 150mm, sterilized with Gamma Irradiation
Blue	**NephroNeedle15VSR**	Venous line, 15G (1.8 * 25mm) 150mm, sterilized with Gamma Irradiation
Blue	**NephroNeedle15AVSR**	Set, Arterial + Venous line, 15G (1.8 * 25mm) 150mm, sterilized with Gamma Irradiation
Blue	**NephroNeedle15ALE**	Arterial line, 15G (1.8 * 25mm) 300mm, ETO sterilized
Blue	**NephroNeedle15VLE**	Venous line, 15G (1.8 * 25mm) 300mm, ETO sterilized
Blue	**NephroNeedle15AVLE**	Set, Arterial + Venous line, 15G (1.8 * 25mm) 300mm, ETO sterilized
Blue	**NephroNeedle15ALR**	Arterial line, 15G (1.8 * 25mm) 300mm, sterilized with Gamma Irradiation
Blue	**NephroNeedle15VLR**	Venous line, 15G (1.8 * 25mm) 300mm, sterilized with Gamma Irradiation
Blue	**NephroNeedle15AVLR**	Set, Arterial + Venous line, 15G (1.8 * 25mm) 300mm, sterilized with Gamma Irradiation
Green	**NephroNeedle16ASE**	Arterial line, 16G (1.6 * 25mm) 150mm, ETO sterilized
Green	**NephroNeedle16VSE**	Venous line, 16G (1.6 * 25mm) 150mm, ETO sterilized
Green	**NephroNeedle16AVSE**	Set, Arterial + Venous line, 16G (1.6 * 25mm) 150mm, ETO sterilized
Green	**NephroNeedle16ASR**	Arterial line, 16G (1.6 * 25mm) 150mm, sterilized with Gamma Irradiation
Green	**NephroNeedle16VSR**	Venous line, 16G (1.6 * 25mm) 150mm, sterilized with Gamma Irradiation
Green	**NephroNeedle16AVSR**	Set, Arterial + Venous line, 16G (1.6 * 25mm) 150mm, sterilized with Gamma Irradiation
Green	**NephroNeedle16ALE**	Arterial line, 16G (1.6 * 25mm) 300mm, ETO sterilized
Green	**NephroNeedle16VLE**	Venous line, 16G (1.6 * 25mm) 300mm, ETO sterilized
Green	**NephroNeedle16AVLE**	Set, Arterial + Venous line, 16G (1.6 * 25mm) 300mm, ETO sterilized
Green	**NephroNeedle16ALR**	Arterial line, 16G (1.6 * 25mm) 300mm, sterilized with Gamma Irradiation
Green	**NephroNeedle16VLR**	Venous line, 16G (1.6 * 25mm) 300mm, sterilized with Gamma Irradiation
Green	**NephroNeedle16AVLR**	Set, Arterial + Venous line, 16G (1.6 * 25mm) 300mm, sterilized with Gamma Irradiation
Orange	**NephroNeedle17ASE**	Arterial line, 17G (1.4 * 25mm) 150mm, ETO sterilized
Orange	**NephroNeedle17VSE**	Venous line, 17G (1.4 * 25mm) 150mm, ETO sterilized
Orange	**NephroNeedle17AVSE**	Set, Arterial + Venous line, 17G (1.4 * 25mm) 150mm, ETO sterilized
Orange	**NephroNeedle17ASR**	Arterial line, 17G (1.4 * 25mm) 150mm, sterilized with Gamma Irradiation
Orange	**NephroNeedle17VSR**	Venous line, 17G (1.4 * 25mm) 150mm, sterilized with Gamma Irradiation
Orange	**NephroNeedle17AVSR**	Set, Arterial + Venous line, 17G (1.4 * 25mm) 150mm, sterilized with Gamma Irradiation
Orange	**NephroNeedle17ALE**	Arterial line, 17G (1.4 * 25mm) 300mm, ETO sterilized
Orange	**NephroNeedle17VLE**	Venous line, 17G (1.4 * 25mm) 300mm, ETO sterilized
Orange	**NephroNeedle17AVLE**	Set, Arterial + Venous line, 17G (1.4 * 25mm) 300mm, ETO sterilized
Orange	**NephroNeedle17ALR**	Arterial line, 17G (1.4 * 25mm) 300mm, sterilized with Gamma Irradiation
Orange	**NephroNeedle17VLR**	Venous line, 17G (1.4 * 25mm) 300mm, sterilized with Gamma Irradiation
Orange	**NephroNeedle17AVLR**	Set, Arterial + Venous line, 17G (1.4 * 25mm) 300mm, sterilized with Gamma Irradiation

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NEPHRONEEDLE CHARACTERISTICS

Hemodialysis fistula needles, such as our NephroNeedles™, are specialized medical consumables crafted to provide vascular access during hemodialysis treatment. These needles are specifically designed for insertion into an arteriovenous fistula—a surgically created connection between an artery and a vein that ensures the high blood flow necessary for effective dialysis. With quality and comfort as top priorities, NephroNeedles™ are engineered to prioritize patient safety. They offer precise, gentle insertion that enhances the dialysis experience while minimizing the risk of infection or contamination. Each needle is constructed to meet rigorous standards, ensuring secure and reliable access every time.



BLOODLINES

Bloodlines Specifications						
Product Name	Description	Pump Segment Dimensions in mm			Blood Priming Volume in mL	
		O.D.	I.D.	Length	Arterial	Venous
NephroLine U	Universal model, without drain bag, ETO sterilized, contains DEHP	9.8	6.5	380	82	62
	Universal model, without drain bag, ETO sterilized, **DEHP-free**				91	70
	Universal model, without drain bag, Gamma sterilized, **DEHP-free**				91	70
	Universal model, without drain bag, Gamma sterilized, contains DEHP				91	70
NephroLine U+B	Universal model, with spike and drain bag, ETO sterilized, contains DEHP				82	62
	Universal model, with spike and drain bag, ETO sterilized, **DEHP-free**				91	70
	Universal model, with spike and drain bag, Gamma sterilized, **DEHP-free**				91	70
	Universal model, with spike and drain bag, Gamma sterilized, contains DEHP					
NephroLine B	B-Braun model, without drain bag, ETO sterilized, contains DEHP	12.0	8.0	380	92	72
	B-Braun model, without drain bag, Gamma sterilized, contains DEHP					
NephroLine B+B	B-Braun model, with drain bag ETO sterilized, contains DEHP	12.0	8.0	380	92	72
	B-Braun model, with drain bag, ETO sterilized, **DEHP-free**	9.8	4.5	340	90	80
	B-Braun model, with drain bag Gamma sterilized, **DEHP-free**	9.8	4.5		90	80
	B-Braun model, with drain bag, Gamma sterilized, contains DEHP	12.0	8.0		92	72
NephroLine G	Gambro model, without drain bag, ETO sterilized, contains DEHP	12.0	8.0	380	90	62
	Gambro model, without drain bag, Gamma sterilized, contains DEHP					
NephroLine G+B	Gambro model, with drain bag, ETO sterilized, contains DEHP				90	62
	Gambro model, with drain bag, ETO sterilized, **DEHP-free**				89	71
	Gambro model, with drain bag, Gamma sterilized, **DEHP-free**				89	71
	Gambro model, with drain bag, Gamma sterilized, contains DEHP				90	62
NephroLine F	Fresenius model, without drain bag, ETO sterilized, contains DEHP	9.8	6.5	380	82	76
	Fresenius model, without drain bag, Gamma sterilized, contains DEHP					
NephroLine F+B	Fresenius model, with drain bag, ETO sterilized, contains DEHP				82	76
	Fresenius model, with drain bag, ETO sterilized, **DEHP-free**				88	67
	Fresenius model, with drain bag, Gamma sterilized, **DEHP-free**				88	67
	Fresenius model, with drain bag, Gamma sterilized, contains DEHP				82	76
NephroLine N	Nipro model, with spike and without drain bag, ETO sterilized, **DEHP-free**	12.0	8.0	263	69	69
	Nipro model, with spike and without drain bag, Gamma sterilized, **DEHP-free**					
NephroLine K+B	Nikkiso model, with drain bag, ETO sterilized, **DEHP-free**	12.0	8.0	270	138	240
	Nikkiso model, with drain bag, Gamma sterilized, **DEHP-free**					
NephroLine HDF*	NephroLineHDF, ETO sterilized , contains DEHP	12.0	8.0	340	90	70
	NephroLineHDF, ETO sterilized, **DEHP free**					
	NephroLineHDF, Gamma sterilized , contains DEHP					
	NephroLineHDF, Gamma sterilized, **DEHP free**					

*In progress

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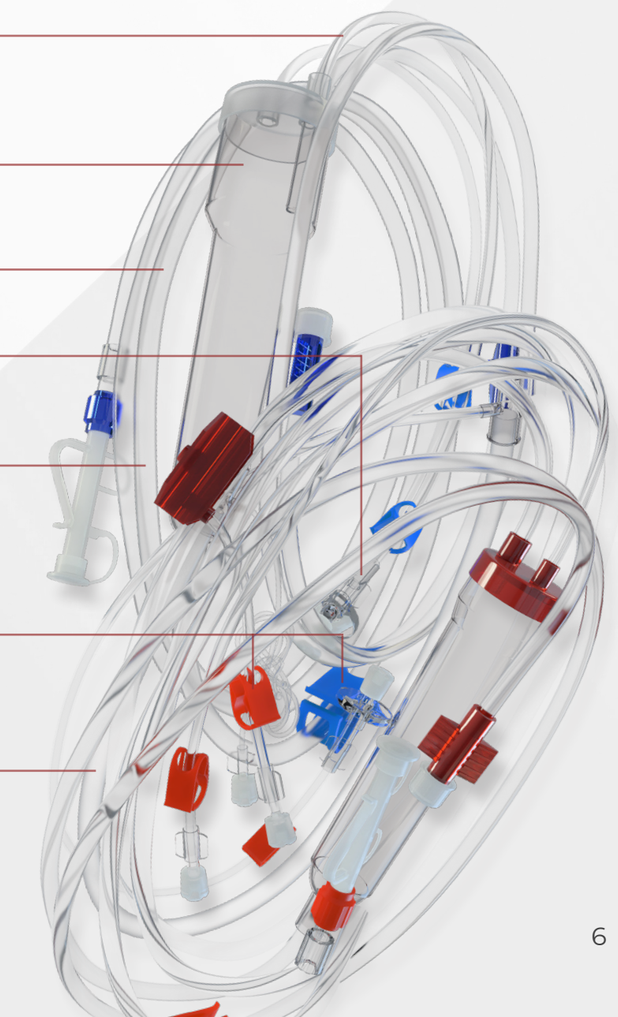
NEPHROLINE CHARACTERISTICS

Our NephroLine™ series are hemodialysis bloodlines, a critical component of the hemodialysis machine setup. Designed to transport blood to and from the patient's body during hemodialysis treatment, these tubing systems consist of both arterial and venous lines, connecting the hemodialyzer to the patient's vascular access site.

This product is offered in a range of models that are compatible with all hemodialysis machines, created with three essential objectives in mind: optimizing clinical performance, providing versatility for different patient treatments, and ensuring ease of use for healthcare professionals.

NephroLine™ is designed in compliance with BS EN ISO 8637-2 requirements.

- Advanced leak testing technology for zero contamination
- Designed with medical-grade, raw materials and includes a geometric venous chamber
- DEHP-free*
- Transducer protector included
- Segment pump manufactured with the user in mind, ensuring confidence in the amount of blood delivered to the dialyzer for dialysis adequacy
- Coloured, ergonomic design of clamps for easy identification and secure clamping for patient safety
- Compatible with hemodialysis machines that use heparin clamps



*Select models only