

smiths medical
jelco®



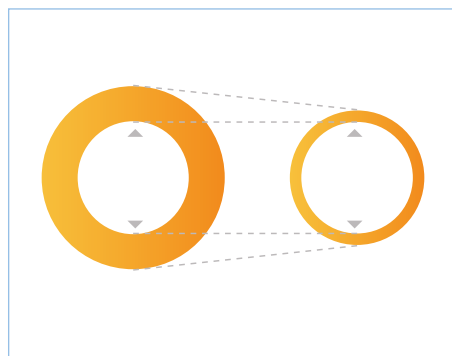
The I.V. Catheter Family

Vascular Access

Optiva® IV Catheters



V-Point Needle



The Thin Walled Design



Precision Bevel

“V”-Point Needle

The electropolished V-point needle is optimally engineered to reduce the insertion force required to penetrate the skin and access the vein. This reduction in insertion force minimises patient discomfort and reduces the risk of damaging the vein wall.

The Thin Walled Design

The thin walled design optimises flow rate potential for each gauge size, allowing the clinician the opportunity to choose a smaller gauge catheter, causing less patient trauma, without compromising flow rates.

Precision Bevel

The precision bevelled catheter tip is finely tapered to ensure smooth insertion.

Radiopacity

Whether caused by needle reinsertion or the use of a sharp instrument during dressing changes, catheter embolism is a serious patient safety issue. All of the OPTIVA® range of I.V. Catheters and most of the JELCO® range are radio-detectable in accordance with the International Standard for Peripheral I.V. Catheters.¹ (JELCO® Clear I.V. Catheters are not radio detectable.)

Consistent Flashback

The flash plug contains a porous membrane to ensure a quick consistent flashback and an effective barrier against blood contact.



OPTIVA® 2

Advanced “Snap Cap” design provides convenient one-handed opening and closing. This reduces disturbance to the catheter during injection valve usage.



OPTIVA® 2

The luer lock stop cap, used to seal the hub of the catheter, is located at the end of the protective sheath. This allows for the immediate disposal of the contaminated introducer.



The I.V. Catheter Series consists of:

- OPTIVA®
- OPTIVA® W (with fixation wings)
- OPTIVA® 2 (with injection valve)

The I.V. Catheter Series of Smiths combines all of the benefits of the electropolished “V”-Point needle, finely tapered catheter shoulders, thin walled construction, radiopacity and incorporates OCRILON® polyurethane.

A recent study comparing pain related to the insertion of three different I.V. catheters has shown that OPTIVA® 2 can offer significant benefits to patients in terms of pain reduction during insertion.² OPTIVA® 2 was shown to be significantly less painful than the leading brand in Europe.

A unique material formulation, which provides an excellent choice for clinician and patient. OCRILON® Polyurethane is firm for controlled insertion but softens whilst indwelling to conform to the contour of the vein, reducing vessel irritation and increasing patient comfort.³

- OCRILON® Polyurethane has been shown to reduce phlebitis by up to 60%.³
- OCRILON® Polyurethane softens in vivo and demonstrates excellent kink recovery permitting uninterrupted infusion.
- OCRILON® Polyurethane is completely clear yet radiopaque.

Optiva® IV Catheters



OPTIVA® I.V. Catheters						
Product Code	Gauge	Int. mm	Ext. mm	Length mm	Flow Rate ml/min	Obturator Codes
5068	● 14	1.8	2.2	50	315	4215
5061	● 16	1.4	1.8	32	225	-
5062	● 16	1.4	1.8	50	210	4217
5064	● 18	1.0	1.3	45	100	4218
5065	● 18	1.0	1.3	32	110	4219
5069	● 20	0.8	1.1	45	60	-
5066	● 20	0.8	1.1	32	65	4220
5060	● 22	0.7	0.9	25	38	4222
5063	● 24	0.5	0.7	19	24	4224



OPTIVA® W I.V. Catheters (with fixation wings)						
Product Code	Gauge	Int. mm	Ext. mm	Length mm	Flow Rate ml/min	Obturator Codes
1114	● 14	1.8	2.2	45	310	4514
1116	● 16	1.4	1.8	45	200	4516
1118	● 18	1.0	1.3	45	95	4518
1119	● 18	1.0	1.3	32	95	4519
1120	● 22	0.8	1.1	32	60	4520
1122	● 22	0.7	0.9	25	35	4522
1124	● 24	0.5	0.7	19	20	4524



OPTIVA® 2 I.V. Catheters (with injection valve)						
Product Code	Gauge	Int. mm	Ext. mm	Length mm	Flow rate ml/min	Obturator Codes
1014	● 14	1.8	2.2	45	315	4514
1016	● 16	1.4	1.8	45	210	4516
1018	● 18	1.0	1.3	45	100	4518
1019	● 18	1.0	1.3	32	110	4519
1020	● 22	0.8	1.1	32	65	4520
1022	● 22	0.7	0.9	25	38	4522

The OCRILON® Polyurethane used in OPTIVA® is firm for controlled insertion but softens whilst indwelling to conform to the contour of the vein, reducing vessel irritation and increasing patient comfort.³

Jelco® IV Catheters



JELCO® I.V. Catheters (radiopaque)

Product Code	Gauge	Int. mm	Ext. mm	Length mm	Flow Rate ml/min	Obturator Codes
4038	● 14	1.8	2.1	50	315	4215
4032	● 16	1.4	1.7	50	210	4217
4034	● 18	1.0	1.3	45	100	4218
4035	● 18	1.0	1.3	32	110	4219
4039	● 20	0.8	1.1	45	60	-
4036	● 20	0.8	1.1	32	65	4220
4030	● 22	0.6	0.9	25	38	4222
4033	● 24	0.5	0.7	19	24	4224



JELCO® I.V. Catheters Clear (non radiopaque)

Product Code	Gauge	Int. mm	Ext. mm	Length mm	Flow Rate ml/min	Obturator Codes
4018	● 14	1.8	2.1	50	315	4215
4012	● 16	1.4	1.7	50	210	4217
4014	● 18	1.0	1.3	45	100	4218
4016	● 20	0.8	1.1	32	65	4220
4010	● 22	0.7	0.9	25	38	4222
4013	● 24	0.5	0.7	19	24	4224

The JELCO® I.V. Catheters' FEP polymer construction enables firm, controlled insertion. This is an inert material with the combined benefit of radiopacity, for patient safety in the event of catheter embolus.

References

1. International standard for over the needle peripheral catheters ISO10555-5 1996 [E].
2. Lückner P. and Stahlheber-Dilg. BA. (2003) Pain related to OPTIVA® 2, Biovalve, and Venflon2 intravenous catheters. Br J Nurs, 12; [22]; 1345-1351
3. Stebor A.D. and Liao J.M.Ph.D. Dept. of Epidemiology and Biostatistics; University of South Florida. A Peripheral Catheter Indwell Study Comparing Phlebitis Rates between Two Different Catheter Materials.

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