

Priming Volumes of CVADs

Type of Catheter	French Size	Priming Volumes
Bard Access Systems (800-443-3385)		
<u>Single Lumen Catheters</u>		
Broviac Pediatric Catheter	2.7 Fr	0.15cc
Broviac Pediatric Catheter	4.2 Fr	0.3cc
Broviac	6.6 Fr	0.7cc
Hickman	9.6 Fr	1.8cc
<u>Multiple Lumen Catheters</u>		
Hickman Pediatric Dual	7 Fr	0.6cc (proximal) 0.8cc (distal)
Hickman Adult Dual	9 Fr	0.6cc (proximal) 1.3cc (distal)
Leonard	10 Fr	1.3cc (prox & distal)
Hickman Dual	12 Fr	1.8cc (prox & distal)
Hickman Triple Lumen	12.5 Fr	0.7cc (prox & mid) 1.6cc (distal)
<u>Groshong Tunneled Catheters</u>		
Single Lumen	3.5 Fr	0.13cc
	5.5 Fr	0.4cc
	7.0 Fr	0.7cc
	8.0 Fr	0.9cc
	8.0 Fr XL	1.2cc
Dual Lumen	5.0 Fr	0.42cc (red) 0.35cc (white)
	9.5 Fr	0.83cc (red) 0.52cc (white)
	9.5 Fr XL	0.94cc (red) 0.57cc (white)
<u>Groshong Non-Tunneled Catheters</u>		
PICC Single Lumen	3 Fr	0.31cc
	4 Fr	0.49cc
PICC Dual Lumen	5 Fr	0.62cc (distal) 0.48cc (prox)
Percutaneous OTG-15mm	8.5 Fr	0.45cc (dist) 0.31cc (mid) 0.32cc (prox)
Percutaneous OTG-20mm	8.5 Fr	0.50cc (dist) 0.34cc (mid) 0.35cc (prox)
Percutaneous OTG-30mm	8.5 Fr	0.61cc (dist) 0.41cc (mid) 0.42cc (prox)
<u>Hickman Subcutaneous Ports</u>		
Port w/ Small Venous Catheters	6.6 Fr	1.2cc
Small Port w/ Small Venous Cath	6.6 Fr	1.2cc
Port w/ Large Venous Catheters	9.6 Fr	2.1cc
SIMS Deltec, Inc. (800-426-2448)		
<u>Central Catheters- PICC</u>		
16 Gauge Catheter	5 Fr	0.8cc
18 Gauge Catheter	4 Fr	0.6cc
20 Gauge Catheter	3 Fr	0.4cc
<u>Midline Catheters</u>		
16 Gauge Catheter	5 Fr	0.6cc
18 Gauge Catheter	4 Fr	0.4cc
20 Gauge Catheter	3 Fr	0.3cc

Type of Catheter French Priming

Size Volumes

SIMS Deltec, Inc. (800-426-2448)

Portals

PORT-A-CATH and PORT-A-CATH II Systems

Single Lumen	0.5cc
Single Lumen Low Profile	0.3cc
Dual Lumen	0.5cc (each reservoir)
Dual Lumen Low Profile	0.3cc (each reservoir)

P.A.S. PORT II System

Single Lumen	0.3cc
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Catheters (to be used with Portals)

PolyFlow Polyurethane

Single-lumen 1.0 mm I.D.	0.7cc
Single-lumen 1.6mm I.D.	1.5cc
Dual-lumen 1.0/1.0mm I.D.	0.6cc (each lumen)
Dual-lumen 1.4/1.4mm I.D.	1.2cc (each lumen)

Silicone

Single-lumen 1.0mm I.D.	0.6cc
Single-lumen 0.8mm I.D.	0.3cc
Dual-lumen 1.1/1.1mm I.D.	0.7cc (each lumen)

****To determine priming volume of the system, add the catheter priming volume to the portal priming volume.**

Cook, Inc. (800-457-4500)

Catheters

Single Lumen	2.5cm	2.5 Fr	0.05cc		
	5.0cm	3.0 Fr	0.1cc		
	8.0cm	3.0 Fr	0.1cc		
	12cm	4.0 Fr	0.1cc		
	15cm	5.0/5.3 Fr	0.2cc		
	20cm	5.0/5.3 Fr	0.3cc		
	25cm	5.0/5.3 Fr	0.3cc		
	15cm	6.0 Fr	0.3cc		
	20cm	6.0 Fr	0.3cc		
	25cm	6.0 Fr	0.4cc		
	15cm	6.3 Fr	0.4cc		
	20cm	6.3 Fr	0.5cc		
	25cm	6.3 Fr	0.6cc		
	Double Lumen		4.0 Fr	0.2cc (lumen 1)	0.1cc (lumen 2)
		5.0 Fr	0.2cc (lumen 1)	0.2cc (lumen 2)	
		7.0 Fr	0.6cc (lumen 1)	0.2cc (lumen 2)	
		7.5 Fr	0.8cc (lumen 1)	0.2cc (lumen 2)	
Triple Lumen		9.5 Fr	2.1cc (lumen 1)	0.3cc (lumen 2)	
		5.0 Fr	0.3cc (#1)	0.2cc (#2)	0.2cc (#3)
		7.0 Fr	0.5cc (#1)	0.3cc (#2)	0.3cc (#3)

This list is a compilation of materials given to us by the manufacturers of Central Venous Access Devices (CVAD) and reproduced for your convenience. As such, we cannot verify the accuracy of values within this tool. Also, since some manufacturers did not respond to our requests for information, it is not a complete list. Each site should verify the priming volumes of The CVAD according to the individual manufacturers' specifications.