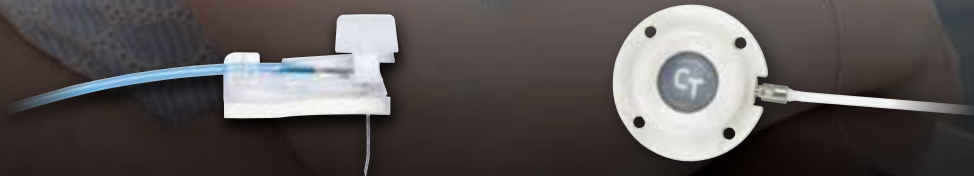


smiths medical
deltec®

**PORT-A-CATH® and P.A.S. PORT® T2 POWER P.A.C.® Systems
GRIPPER PLUS® POWER P.A.C. Safety Huber Needles**

The proven performance you expect, now in a powerful system



A POWERFUL SYSTEM WITH POWERFUL FEATURES

We have the largest variety and most complete system of ports and needles for power injection for any therapy need allowing you to choose the optimal solution for your patients' needs.

A COMPLETE OFFERING OF POWER-INJECTABLE PORT SYSTEMS

Choice of:

Materials – polysulfone or titanium

Profile – standard or low profile

Lumen configuration – single or dual

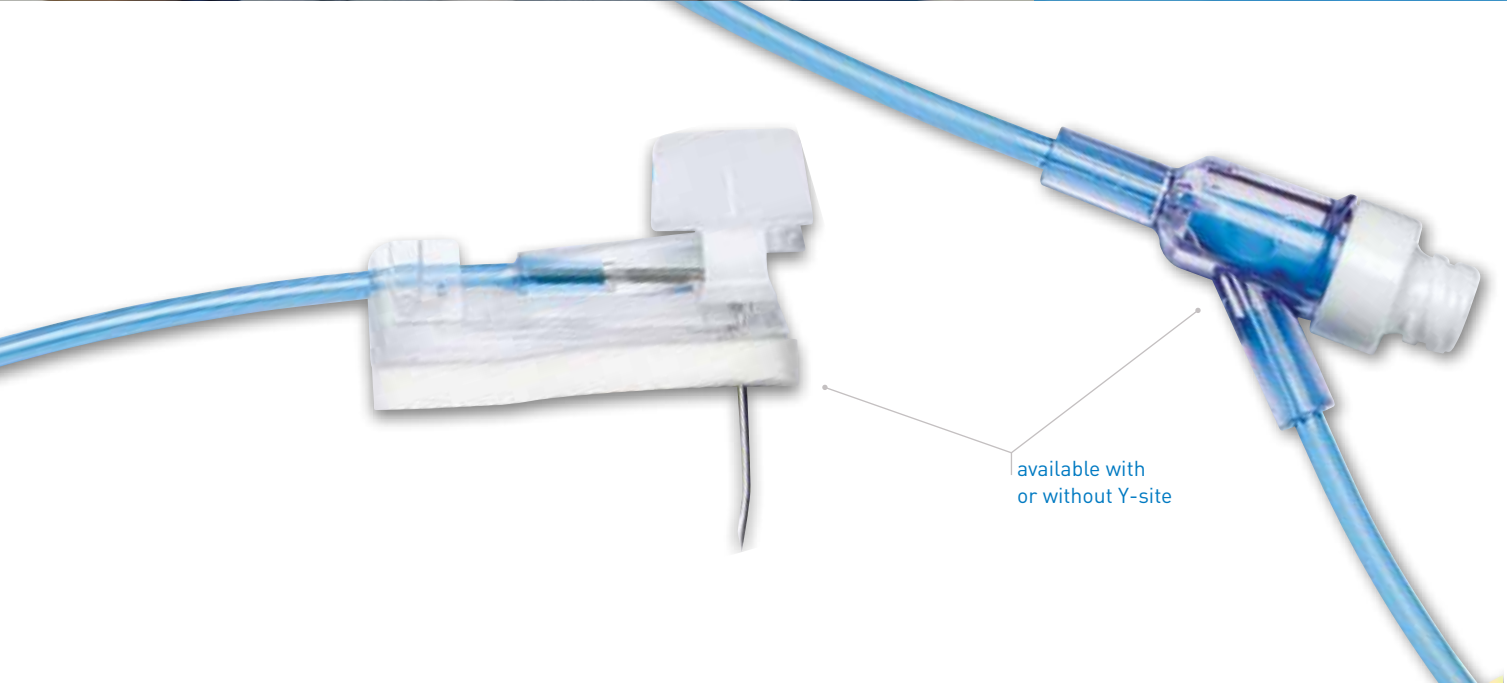
Catheter options – multiple French sizes

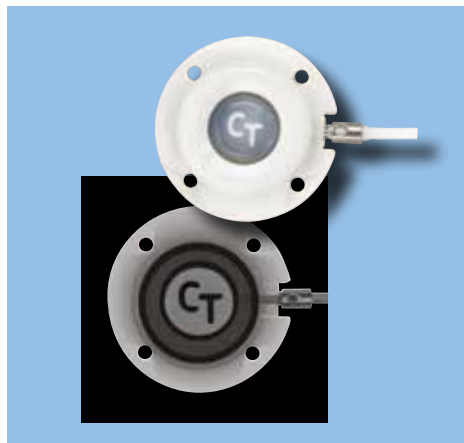
Introducer – regular peel-away and valved peel-away

PATIENT IDENTIFICATION SYSTEM

Patients are provided with identification and educational materials for their PORT-A-CATH® and P.A.S. PORT® T2 POWER P.A.C.® systems.

- Identification cards
- Key ring identifier
- Patient information guide
- Medical record stickers





CT identifier highly visible under X-ray



14 different needle configurations

PORT-A-CATH® AND P.A.S. PORT® T2 POWER P.A.C.® SYSTEMS

Proven technology for over 25 years:

- Radiopaque CT embedded into port septum and able to withstand thousands of needlesticks while remaining visible under x-ray
- No change in power injection performance after hundreds of needle punctures
- Allows power injections up to 5 mL/sec and 300 psi pressure rating
- MR-conditional up to 3 Tesla
- Compatible with all power needles
- Less thrombosis than other ports¹
- Low complication rates²
- Superior PolyFlow® polyurethane catheter

GRIPPER PLUS® POWER P.A.C. NEEDLES

Designed for power injections by allowing higher pressure and flow rates with power-injectable port systems.

Innovative features have set the standard in reliable portal access:

- Blue tubing and clamp markings for easy power injection identification
- Allows power injections up to 5 mL/sec and 300 psi pressure rating
- Compatible with all power ports
- Unique safety arm provides audible “click” to ensure needle is secured
- Non-coring and non-siliconized needle
- Nonabsorbent, closed foam pad for increased patient comfort
- Fully threaded Luer-lock connector fits standard accessories

GRIPPER PLUS® POWER P.A.C. SAFETY HUBER NEEDLES PRODUCT SPECIFICATIONS

Gauge	Length	Maximum Flow Rate	Reorder # Nac	Reorder # Non Y-Site
19	3/4 inch	5 ml/sec	21-3468-24	21-3368-24
19	1 inch	5 ml/sec	21-3469-24	21-3364-24
19	1 1/4 inch	5 ml/sec	21-3470-24	21-3365-24
20	5/8 inch	5 ml/sec	21-3464-24	21-3369-24
20	3/4 inch	5 ml/sec	21-3465-24	21-3367-24
20	1 inch	5 ml/sec	21-3466-24	21-3362-24
20	1 1/4 inch	5 ml/sec	21-3467-24	21-3363-24

REFERENCES

1. Strategic Healthcare Programs, LLC. Catheter-related complications by catheter type. 2004.
2. Biffi, Robert M.D. Use of totally implantable central venous access ports for high-dose chemotherapy and peripheral blood stem cell transplantation: results of a monocentre series of 376 patients. *Annals of Oncology* 2004; 15:296-300.

WE HAVE THE LARGEST VARIETY AND MOST COMPLETE SYSTEM OF PORTS AND NEEDLES FOR POWER INJECTION FOR ANY THERAPY NEED.

PORT-A-CATH® AND P.A.S. PORT® T2 POWER P.A.C.® SYSTEMS PRODUCT SPECIFICATIONS

PORTAL

CATHETER

Single-Lumen Standard														
	Material	Base (mm)	Height (mm)	Weight (g)	Septum Diameter (mm)	Connector	Material	ID (mm)	OD (mm)	French (Fr)	Length (cm)	Introducer Size (Fr)	Configuration	Reorder #
PORT-A-CATH® POWER P.A.C.	Titanium	30.5	14.7	16	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5	Unassembled	Kit: 21-4422-24 Tray: 21-4423-24
PORT-A-CATH® POWER P.A.C.	Titanium	30.5	14.7	16	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Unassembled	Kit: 21-4424-24 Tray: 21-4425-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	28	14.6	16	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Unassembled	Kit: 21-4452-24 Tray: 21-4453-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	28	14.6	16	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5	Unassembled	Kit: 21-4454-24 Tray: 21-4455-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	28	14.6	16	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Assembled	Tray: 21-4463-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	28	14.6	16	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5	Assembled	Tray: 21-4465-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	30.5	14.7	10	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6*	Unassembled	Tray: 21-4476-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	30.5	14.7	10	11.4	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5*	Unassembled	Tray: 21-4474-24
Single-Lumen Low Profile™														
PORT-A-CATH® POWER P.A.C.	Titanium	25	11.5	9.5	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Unassembled	Kit: 21-4436-24 Tray: 21-4437-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	25	11.5	4.8	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Unassembled	Kit: 21-4482-24 Tray: 21-4483-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	25	11.5	4.8	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Assembled	Tray: 21-4485-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	25	11.5	4.8	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5	Unassembled	Kit: 21-4470-24 Tray: 21-4471-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	25	11.5	4.8	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5	Assembled	Tray: 21-4473-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	25	11.4	5	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6*	Unassembled	Tray: 21-4477-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	25	11.4	5	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.6	2.6	7.8	76	8.5*	Unassembled	Tray: 21-4475-24
Dual-Lumen Low Profile™														
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	38.7 x23.5	11	11	9.5	Wing-Lock®	PolyFlow® Polyurethane	1.4	3.2	9.6	76	10	Unassembled	Tray: 21-8468-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	38.7 x23.5	11	11	9.5	Wing-Lock®	PolyFlow® Polyurethane	1.0	2.2	6.7	76	7	Unassembled	Tray: 21-8466-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	38.7 x23.5	11	12	9.5	Wing-Lock®	PolyFlow® Polyurethane	1.4/1.4	3.2	9.6	76	10*	Unassembled	Tray: 21-8470-24
PORT-A-CATH® II POWER P.A.C.	Polysulfone/ Titanium	38.7 x23.5	11	12	9.5	Wing-Lock®	PolyFlow® Polyurethane	1.0/1.0	2.2	6.7	76	7*	Unassembled	Tray: 21-8469-24
Peripheral Single-Lumen														
P.A.S. PORT® T2 POWER P.A.C.®	Titanium	24.5 x18.2	11.5	8.3	9.5	Ultra-Lock®	PolyFlow® Polyurethane	1.0	1.9	5.8	76	6	Unassembled	Kit: 21-4872-24 Tray: 21-4873-24

- 1. Trays include:** portal, catheter, Port-A-Cath® straight needle, blunt needle (except preassembled systems), vein pick, 18ga extra thin wall introducer needle, "J" guidewire(s), vessel dilator/sheath introducer assembly, 90° Port-A-Cath® needle, Gripper Plus® Power P.A.C. safety needle(s), 2 syringes, tunneling tool, and Point-Lok® device.
- 2. Kits include:** portal, catheter, Port-A-Cath® straight needle, blunt needle, vein pick, and Point-Lok® device

* Valved Peel-Away Introducer

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