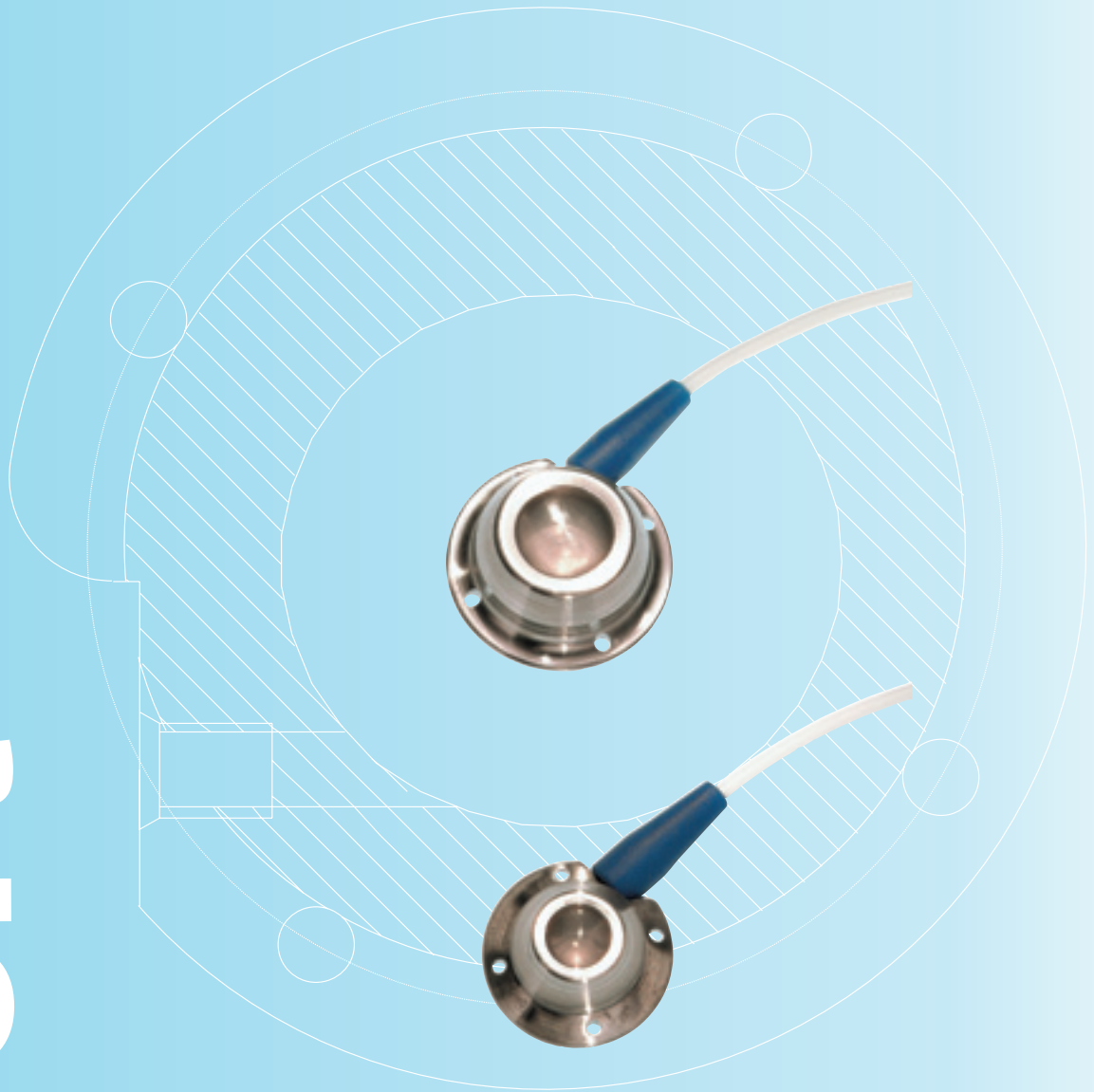


PHS MEDICAL<sup>®</sup>

<sup>®</sup>  
**NuPort**



*Innovative solutions  
for long term vascular access...  
... from specialists!*

## **NuPort® - "Designed to make a difference!"**

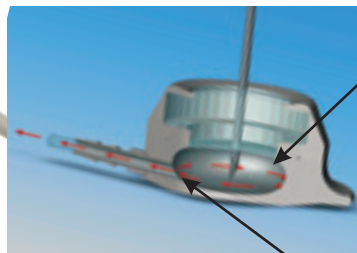
Our enhanced NuPort® vascular access system advances the technology of access ports one step further.

We listened to your suggestions and acted upon them by improving the fluid dynamics in the NuPort®. The patented, elliptical chamber and a tangential outlet vastly improve the flow as well as eliminating dead space which can lead to premature occlusion. What has remained, is the proven and comfortable configuration with which you are familiar.

The elliptical port chamber is specifically designed to improve the internal fluid dynamics and provides you with the following benefits. . .

- ✓ **no buildup of blood and drug residuals due to the non-restrictive flow...  
= reduced necessity of regular prophylaxis (i.e. thrombolytics)**
- ✓ **simplified debubbling of the port...  
= reduces the risk of an air embolus**
- ✓ **reduced risk of port occlusion...  
= reduced cost of care**
- ✓ **reduced risk of potential infections...  
= greater safety and improved outcome for the patient**

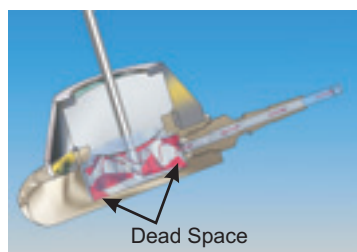
### **NuPort® NuFlo™ Technology**



*Elliptical chamber improves fluid dynamics reducing the risk of premature occlusion.*

*Tangential outlet simplifies debubbling of the port minimizing the risk of an air embolus.*

### **Conventional Port**



*Dead spaces in the reservoir of conventional ports increase the risk of residue collection, "Sludge", increasing the risk of premature occlusion.*

Single lumen, venous NuPort® systems are available in the following sizes and configurations:

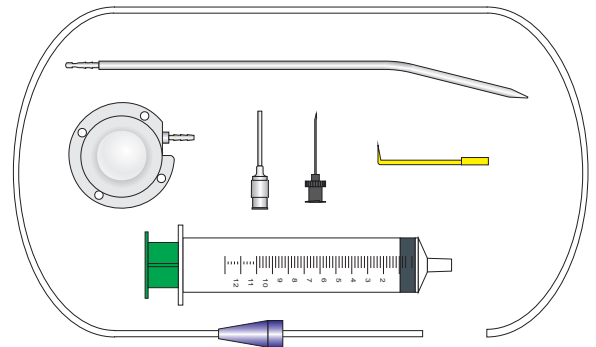
## Basic System

for implantation via cut-down

### ◆ Standard, Adult

1 each: Port, Catheter, Huber Needle, Blunt Needle, Tunneller, Vein Pick, 10ml Syringe

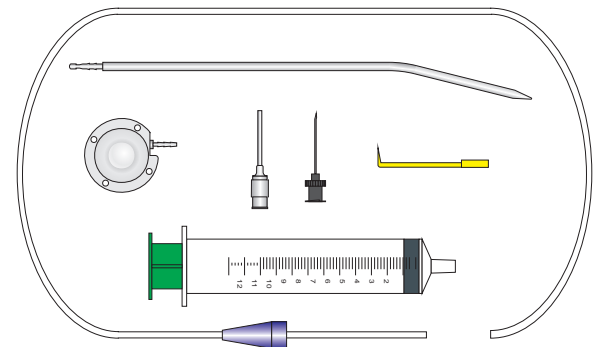
Cath. Size.	Type	Ref.
6F	Silastic®-Silicone	PS-006CS
7.5F	Polyurethane	PS-075CP
8F	Silastic®-Silicone	PS-008CS
9.6F	Silastic®-Silicone	PS-096CS



### ◆ "Low-Profile" / Pediatric & Cachectic Patients

1 each: Port, Catheter, Huber Needle, Blunt Needle, Tunneler, Vein Pick, 10ml Syringe

Cath. Size	Type	Ref.
5F	Polyurethane	PL-005CP
7.5F	Polyurethane	PL-075CP



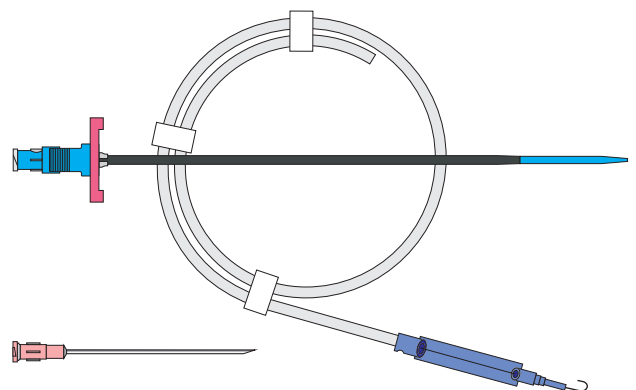
## Complete set with percutaneous introducer

for implantation via "Seldinger Technique"

### ◆ Standard, Adult

1 each: Basic system, Introducer Needle, "Split-Sheath" Cannula with Dilator, Guidewire with Straightener

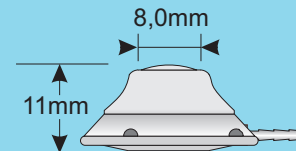
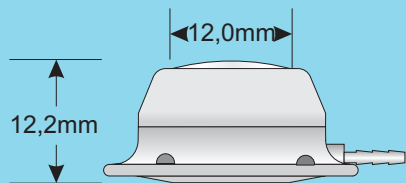
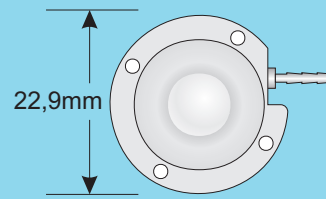
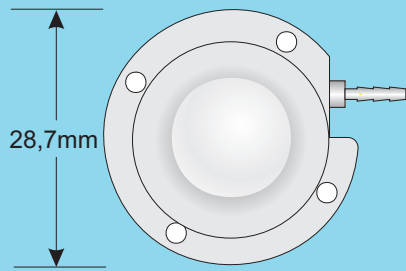
Cath. Size	Type	Ref.
6F	Silastic®-Silicone	PS-006IS
7.5F	Polyurethane	PS-075IP
8F	Silastic®-Silicone	PS-008IS
9.6F	Silastic®-Silicone	PS-096IS



### ◆ "Low-Profile" / Pediatric & Cachectic Patients

1 each: Basic system, Introducer Needle, "Split-Sheath" Cannula with Dilator, Guidewire with Straightener

Cath. Size.	Type	Ref.
5F	Polyurethane	PL-005IP
7.5F	Polyurethane	PL-075IP



NuPort®, Standard

NuPort®, Low-Profile

### Specifications, Port

Material:

Port: Titanium, MRI-Compatible  
 Septum: Silicone

Weight: Standard, adult 12.5g  
 Low-Profile 7.8g

Volume: Standard, adult ~0.5ml  
 Low-Profile ~0.3ml

### Specifications, Catheter

Size	Material	O.D. (mm)	I.D. (mm)	Length (cm)
⊙ F5	Polyurethane	1.68	1.02	50
⊙ F6	Silicone	2.00	0.60	50
⊙ F7,5	Polyurethane	2.40	1.15	50
⊙ F8	Silicone	2.67	1.40	50
⊙ F9,6	Silicone	3.18	1.58	50

All catheters with tapered tip and length markings from 1cm to 30cm. Radiopaque.

 PHS MEDICAL®

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