

# SECUREPORT

Continuous development for continuous infusion



## IMPLANTABLE SYSTEMS

for Venous, Arterial and Spinal Access

***Plan1Health***

Partnering clinical expertise and industrial technology

## SECUREPORT Chambers

The Secureport system offers a vast choice of chambers, with different shapes, sizes and materials; the user can choose the model that best suits the patient and the therapy.

### Titanium

#### LP Low Profile



- Small chamber
- Circular (dome) shape for maximum stability of the chamber - risk of “flipping” minimized
- Large self-sealing septum facilitates location during palpation and reduces puncture concentration
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

#### Features

Chamber		Septum	
Material:	titanium	Material:	silicone
Shape and dimensions:	circular - base diameter 26 mm	Diameter available for puncture:	12,8 mm
Height:	11,5 mm	Maximum number of punctures:	
Weight:	8,5 g		2000 with 22G Huber needle
Internal volume:	0,53 ml		1000 with 19G Huber needle

#### ETI Easy To Implant

- Small chamber
- Wedge-shaped for easy insertion into underskin pocket
- Large self-sealing septum facilitates location during palpation and reduces puncture concentration
- High needle retention due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

#### Features

Chamber		Septum	
Material:	titanium	Material:	silicone
Shape and dimensions:	wedged - base 27,5 mm x 19 mm	Diameter available for puncture:	12,8 mm
Height:	11,5 mm	Maximum number of punctures:	
Weight:	10,5 g		2000 with 22G Huber needle
Internal volume:	0,53 ml		1000 with 19G Huber needle

#### miniMAX

- Extra small chamber
- Wedge-shaped for easy insertion into underskin pocket
- Large self-sealing septum surface (in relation to overall dimensions)
- Suitable for patients with “cosmetic” needs or paediatric patients
- High needle stability due to pressure exerted on self-sealing septum by titanium components
- Titanium assures highest mechanical reliability and stability

#### Features

Chamber		Septum	
Material:	titanium	Material:	silicone
Shape and dimensions:	wedged - base 21 mm x 16 mm	Diameter available for puncture:	9,0 mm
Height:	10,5 mm	Maximum number of punctures:	
Weight:	6 g		1500 with 22G Huber needle
Internal volume:	0,2 ml		

#### POWER Ti



- Chamber specifically designed to be used for High-flow Injections of contrast media
- Large self-sealing septum facilitates location during palpation and reduces puncture concentration
- Transparent polyurethane connector allows rapid, safe and reversible connection of the catheter
- Entire line (extension+huber needle) tested by Independent Lab

**Max Flow Rate = 5ml/s with max Pressure 300PSI, Max Viscosity 12cP and Power Injection Set**

#### Features

Chamber		Septum	
Material:	wedged - base 25 mm x 26,9 mm	Material:	silicone
Shape and dimensions:	wedged - base 25 mm x 26,9 mm	Diameter available for puncture:	13 mm
Height:	13 mm	Maximum number of punctures:	
Weight:	14,9 g		2000 with 22G Huber needle
Internal volume:	0,82 ml		1000 with 19G Huber needle

## Polysulphone + Titanium

**PLP Plastic Low Profile** ● Low profile plastic chamber, also suitable for patients with thick subcutaneous fat layer



- Light weight and cost-effective
- Titanium internal chamber avoids damages induced by needle tip and avoids interactions between plastic and drugs
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration
- Transparent polyurethane connector allows rapid, safe and reversible connection of the catheter

### Features

Chamber	
<b>Material:</b>	titanium + polysulphone
<b>Shape and dimensions:</b>	circular - base diameter 27 mm
<b>Height:</b>	12 mm
<b>Weight:</b>	5,9 g
<b>Internal volume:</b>	0,36 ml

Septum	
<b>Material:</b>	silicone
<b>Diameter available for puncture:</b>	13 mm
<b>Maximum number of punctures:</b>	2000 with 22G Huber needle 1000 with 19G Huber needle

## FOCUS



- High-profile, light-weight chamber, particularly indicated for patients with thick subcutaneous fat layer
- Light weight and cost-effective
- Wedge-shaped chamber to facilitate insertion into underskin pocket
- Titanium internal chamber avoids damages induced by needle tip and avoids interactions between plastic and drugs
- Large self-sealing septum facilitates location during skin palpation and reduces risks of puncture concentration

### Features

Chamber	
<b>Material:</b>	titanium + polysulphone
<b>Shape and dimensions:</b>	wedged - base 34 mm x 26,7 mm
<b>Height:</b>	13,5 mm
<b>Weight:</b>	10 g
<b>Internal volume:</b>	0,53 ml

Septum	
<b>Material:</b>	silicone
<b>Diameter available for puncture:</b>	12,7 mm
<b>Maximum number of punctures:</b>	2000 with 22G Huber needle 1000 with 19G Huber needle

## FOCUS DC



- Double chamber with independent outlet tubes
- Different diameter and height allow easy and safe identification of each chamber during skin palpation
- Suitable for simultaneous infusion of drugs that are incompatible (e.g. crystallization risk)
- Large self-sealing septums
- Titanium internal chamber avoids damages induced by needle tip and avoids interactions between plastic and drugs

### Features

Chamber	
<b>Material:</b>	titanium + polysulphone
<b>Dimensions:</b>	base 50 mm x 34 mm
<b>Height:</b>	13,9 mm - 15,4 mm
<b>Weight:</b>	19,7 g
<b>Internal volume:</b>	0,53 ml - 0,52 ml

Septum	
<b>Material:</b>	silicone
<b>Diameter available for puncture*:</b>	12,7 mm
<b>Maximum number of punctures*:</b>	2000 with 22G Huber needle 1000 with 19G Huber needle

\* For each septum

## POWER PLP

Plastic Low Profile



- Chamber specifically designed to be used for High-flow Injections of contrast media
- Large self-sealing septum facilitates location during palpation and reduces puncture concentration
- Transparent polyurethane connector allows rapid, safe and reversible connection of the catheter
- Low profile plastic chamber, also suitable for patients with thick subcutaneous fat layer

**Max Flow Rate = 5 ml/s with max Pressure 300PSI, Max Viscosity 12cP and Power Injection Set**

### Features

Chamber	
<b>Material:</b>	titanium + polysulphone
<b>Shape and dimensions:</b>	circular - base diameter 27 mm
<b>Height:</b>	12 mm
<b>Weight:</b>	5,9 g
<b>Internal volume:</b>	0,36 ml

Septum	
<b>Material:</b>	silicone
<b>Diameter available for puncture:</b>	13 mm
<b>Maximum number of punctures:</b>	2000 with 22G Huber needle 1000 with 19G Huber needle

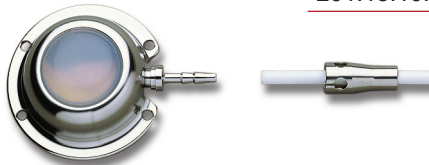
# VENOUS System

For chemotherapy, analgesic therapy, antibiotic therapy and other solutions without limits of osmolarity, concentration and speed of administration (parenteral nutrition); injections and infusions of blood components/derivatives and repetitive drawing of blood samples.

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres.

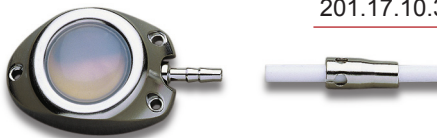
## LP

REF Standard	REF All-in-One	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.15.10.21T	201.15.12.21T	Silicone	1.0	2.1	6.5	780	0.61
201.15.10.31T	201.15.12.31T	Silicone	1.5	2.7	8	780	1.37
201.15.10.41T	201.15.12.41T	Polyurethane	1.1	1.7	5	780	0.74
201.15.10.32T	201.15.12.32T	Silicone 65shA	1.3	2.8	8	780	1.03



## ETI

REF Standard	REF All-in-One	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.17.10.21T	201.17.12.21T	Silicone	1.0	2.1	6.5	780	0.61
201.17.10.31T	201.17.12.31T	Silicone	1.5	2.7	8	780	1.37
201.17.10.41T	201.17.12.41T	Polyurethane	1.1	1.7	5	780	0.74
201.17.10.32T	201.17.12.32T	Silicone 65shA	1.3	2.8	8	780	1.03



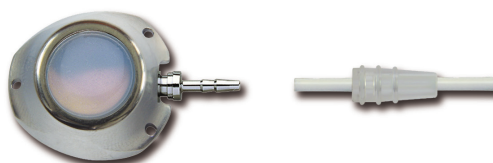
## miniMAX

REF Standard	REF All-in-One	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.16.10.21T	201.16.12.21T	Silicone	1.0	2.1	6.5	780	0.61
201.16.10.41T	201.16.12.41T	Polyurethane	1.5	2.7	5	780	1.37



## POWER Ti

REF Standard	REF All-in-One	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.23.10.20T	201.23.12.20T	Polyurethane	1.3	2.0	6	450	0.82
201.23.10.30T	201.23.12.30T	Silicone	1.3	2.7	8	450	0.82
201.23.10.33T	201.23.12.33T	Polyurethane	1.6	2.7	8	450	0.90



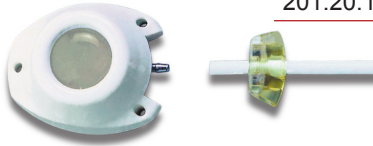
## PLP

REF Standard	REF All-in-One	Catheter Description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.22.10.21T	201.22.12.21T	Silicone	1.0	2.1	6.5	780	0.61
201.22.10.31T	201.22.12.31T	Silicone	1.5	2.7	8	780	1.37
201.22.10.41T	201.22.12.41T	Polyurethane	1.1	1.7	5	780	0.74



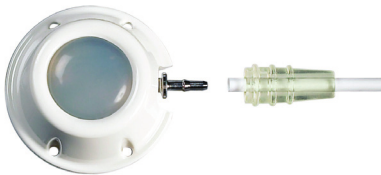
## FOCUS

REF Standard	REF All-in-One	Catheter Description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.20.10.21T	201.20.12.21T	Silicone	1.0	2.1	6.5	780	0.61
201.20.10.31T	201.20.12.31T	Silicone	1.5	2.7	8	780	1.37
201.20.10.41T	201.20.12.41T	Polyurethane	1.1	1.7	5	780	0.74
201.20.10.32T	201.20.12.32T	Silicone 65shA	1.3	2.8	8	780	1.03



## POWER PLP

REF Standard	REF All-in-One	Catheter Description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.24.10.20T	201.24.12.20T	Polyurethane	1.3	2.0	6	450	0.82
201.24.10.30T	201.24.12.30T	Silicone	1.3	2.7	8	450	0.82
201.24.10.33T	201.24.12.33T	Polyurethane	1.6	2.7	8	450	0.90



## POWER injection set





Ref	Description	Dia [GA]	Length [mm]	Ref	Description	Dia [GA]	Length [mm]
201.91.59.06	Power Injection Set 19GA, 0,75"	19	19	201.11.59.06	Power Huber Needle 19GA, 0,75"	19	19
201.91.59.01	Power Injection Set 19GA, 1"	19	25	201.11.59.01	Power Huber Needle 19GA, 1"	19	25
201.91.59.02	Power Injection Set 19GA, 1,5"	19	37,5	201.11.59.02	Power Huber Needle 19GA, 1,5"	19	37,5
201.91.59.05	Power Injection Set 20GA, 0,75"	20	19	201.11.59.05	Power Huber Needle 20GA, 0,75"	20	19
201.91.59.03	Power Injection Set 20GA, 1"	20	25	201.11.59.03	Power Huber Needle 20GA, 1"	20	25
201.91.59.04	Power Injection Set 20GA, 1,5"	20	37,5	201.11.59.04	Power Huber Needle 20GA, 1,5"	20	37,5
201.91.59.09	Power Injection Set 22GA, 0,75"	22	19	201.11.59.09	Power Huber Needle 22GA, 0,75"	22	19
201.91.59.08	Power Injection Set 22GA, 1"	22	25	201.11.59.08	Power Huber Needle 22GA, 1"	22	25
201.91.59.07	Power Injection Set 22GA, 1,5"	22	37,5	201.11.59.07	Power Huber Needle 22GA, 1,5"	22	37,5

Ref	Description	O.D. [mm]	I.D. [mm]
201.09.91.10	Power Extension, 150cm	4,1	1,8

# VENOUS INTRODUCER SET

## Components:

- Peel-away dilator-introducer
- 18Ga introducer needle
- 0,89mm J-Guidewire
- Stainless steel tunneler

REF		Colour Code
201.51.10.21T	Introducer set 6.5 FR	
201.51.10.31T	Introducer set 9 FR	
201.51.10.41T	Introducer set 5 FR	
201.51.10.91T	Introducer set 11 FR	

## PACKAGING CONFIGURATION

### Standard package contains:

- port chamber
- catheter
- connector
- Huber needle 22 G x 25.4 mm
- luer connector

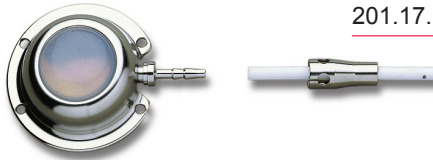
All-in-One package contains the components of the standard package plus the introducer set components:

- port chamber
- catheter
- connector
- Huber needle 22 G x 25.4 mm
- luer connector
- Peel-away dilator-introducer
- 18 G introducer needle
- 0,89 mm J-Guidewire
- Stainless steel tunneler

For continuous or bolus infusion of loco-regional treatments.

Catheter with rounded tip, marked with a dot every centimetre and a number every 5 centimetres

LP



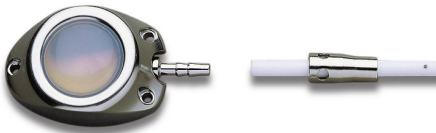
REF	Chamber	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.15.10.51T	LP	Silicone	1.0	2.1	6.5	780	0.61
201.17.10.51T	ETI	Silicone	1.0	2.1	6.5	780	0.61

PACKAGING CONFIGURATION

Standard packaging configuration contains:

- port chamber
- catheter
- connector
- Huber needle 22 G x 25.4 mm
- blunt needle

ETI

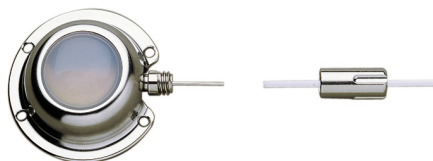


SPINAL SYSTEM

SECURE PORT

For continuous or bolus infusion of analgesic drugs in the treatment of chronic pain

LP



REF	Chamber	Catheter description	int ø mm	ext ø mm	FR	Length mm	Volume ml
201.15.10.61T	LP	PU with open tip	0.5	1.0	19	900	0.18
201.15.10.71T	LP	PU with closed tip and lateral holes	0.5	1.0	19	900	0.18
201.17.10.61T	ETI	PU with open tip	0.5	1.0	19	900	0.18
201.17.10.71T	ETI	PU with closed tip and lateral holes	0.5	1.0	19	900	0.18

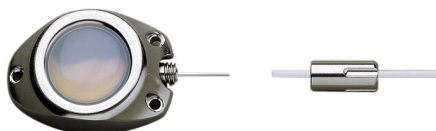
A 50 micron filter inside the chamber prevents the output of particles into the catheter.

PACKAGING CONFIGURATION

Standard packaging configuration contains:

- port chamber
- catheter
- connector
- Huber needle 22 G x 25.4 mm
- blunt needle
- Tuohy needle 17 G x 90 mm
- tunnelizer

ETI



# SECURE PORT

Continuous development for continuous infusion

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Secureport is the result of almost two decades of continuous technical development by Plan 1 Health. The system is

**SAFE** high quality materials and accurate design assure maximum reliability. Robust chambers are leak proof; on all the chamber models the inner reservoir is made of Titanium, ensuring the highest durability and drug compatibility,

**SIMPLE** catheter connection can easily be done in a few seconds; chamber shapes allow easy introduction into the underskin pocket,

**VERSATILE** wide choice of chamber models and catheter sizes make the Secureport system appropriate for all patients, users and clinical requirements.

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