



**INVENT BIO-ΣΔ** Pvt. Ltd.  
Invention Enhances Life...  
An ISO 9001-2008, ISO 13485-2003 Certified Company



*Invention Enhances Life...*



**INVENT BIO-MED Pvt. Ltd.**  
Invention Enhances Life...  
An ISO 9001-2008, ISO 13485-2003 Certified Company

Vascular Access Division  
**VAD**



## Introduction

Invent Bio-Med a dream project conceived by group of dedicated people to add feather in a cap of India's growing economic boom by inaugurating its state of the art medical device manufacturing facility.

Invent Bio Med is located at Sachin, Near Surat approximately 250 Kilometers from Mumbai, financial capital of India easily approachable by road, rail and air, this area is marked as special economic zone.

Invent Bio-Med has clean room area of three categories viz. Class 100, Class 10000, Class 100000.

This world class facility is capable of producing various medical devices and drug coated stents for Interventional Cardiology.

## Quality Policy

"Our Endeavour is to manufacture and market high quality intravascular medical devices of requisite standards with customer focused activities. We are highly committed to continually comply with the requirements to maintain the effectiveness of the quality management system."

## Mission

Occupy a prominent place in Global Healthcare arena by producing cost effective Intravascular & Critical care devices, that conform to International quality of high standard, with focus on research and strategic collaboration to achieve total customer satisfaction.

Ravi S. Srivastava  
Chairman & M.D.

[www.inventbio-med.com](http://www.inventbio-med.com)



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# Certificates



**EVPÜ**  
CERTIFICATE  
No. 8002/0101

**Invent Bio-Med Pvt. Ltd.**  
109, Surat Special Economic Zone, Diamond Park, G.I.D.C.,  
Suchin, Surat, Gujarat - 394230, India

*Certification body of management system  
herby confirms that management system of above-mentioned organization has  
been assessed and certified as meeting requirements of*

**ISO 9001: 2008**  
for  
Design, Development, Manufacturing, Marketing and Distribution  
of  
Vascular Interventional Devices

  
New Delhi, August 17<sup>th</sup>, 2011  
The certificate is valid until August 16<sup>th</sup>, 2014

Mark H a d k  
Head of Certification body

EVPÜ s. s., Transpada 19,  
81871 New Delhi, Sruva, Rajasthan  
302022, R

   
Reg No. 1700481

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No. 8002/0101

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New Delhi, August 17<sup>th</sup>, 2011  
The certificate is valid until August 16<sup>th</sup>, 2014

Mark H a d k  
Head of Certification body

EVPÜ s. s., Transpada 19,  
81871 New Delhi, Sruva, Rajasthan  
302022, R

  
Reg No. 17902-002

CERTIFICATE OF CONFORMITY  
WITH EUROPEAN DIRECTIVE 

Certificate No.: EU 0801423  
Order No.: 100017

**CE 0470**

Manufacturer: **Invent Bio-Med Pvt. Ltd.**  
109, Surat Special Economic Zone,  
Diamond Park, G. I. D. C.  
Suchin, Gujarat 394 230  
INDIA

Device category: VASCULAR INTERVENTIONAL MEDICAL DEVICE

Appendix 1: Page 1 of 1  
The certificate referred to above includes the following devices / models:

Device Name	GMEN Code
*Hemostatic Y-Connector with Blank Intercalar and Torque	17578
*Release Inflation Device	34842
*Introducer Sheath	38876

Date of Issue: 20<sup>th</sup> January 2008  
Signature:   
Signature: **Sanku Gubhewadi**


Date of Verification: 20<sup>th</sup> January 2008  
Signature:   
Signature: **Frank Skarpans**

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CERTIFICATE OF CONFORMITY  
WITH EUROPEAN DIRECTIVE 

Certificate No.: EU 0801423  
Order No.: 100017


**CE 0470**

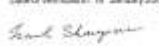
Manufacturer: **Invent Bio-Med Pvt. Ltd.**  
109, Surat Special Economic Zone,  
Diamond Park, G. I. D. C.  
Suchin, Gujarat 394 230  
INDIA

Device category: VASCULAR INTERVENTIONAL MEDICAL DEVICE

Appendix 1: Page 1 of 1  
The certificate referred to above includes the following devices / models:

Device Name	GMEN Code
*Pressure Monitoring Line	34926
*Angiography / PTCA Guide Wire	38084
*Vascular Retrieval GRASP Snare and Basket	17927
*12 ml Control Device	31087
*Advance Guide Wire Introducer	17048
*3 way Stopcock & 2 port/3 port manifold	32213

Date of Issue: 18<sup>th</sup> January 2008  
Signature:   
Signature: **Sanku Gubhewadi**

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# ScrewType

## HEMOSTASIS Y- CONNECTOR

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### Y Connector

- Accommodates virtually all Interventional Devices.
- Large Thumb Wheel for easy manoeuvrability.
- Rotating Swivel Luer Connector



### Ordering Information

Cat Code	Lumen	I.D
110301	9F (0.118")	3.0 mm

### Insertion Tool/Blunt Introducer

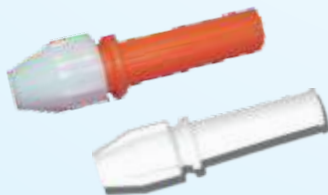
- Facilitate guidewire entry Smoothly.
- Fits guidewire sizes up to 0.020 inches.



Cat Code	O.D	I.D
111401	20 G (0.030")(0.90mm)	(0.020") (0.065 mm)

### Torquer

- Torquer device tightly holds all guidewire upto 0.020 inches in diameter.



Cat Code	GW Capacity
110401	Up to 0.020"

Cat Code	Description
110901	<b>Kit:</b> Hemostasis Y- Connector + Blunt Introducer + Torquer (P/W)

# Push/pull

## I-EASY VALVE HEMOSTASIS Y- CONNECTOR

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- For easy, fast and accurate single handed intra vascular device insertion.
- Perfect insertion device respecting the integrity of the coated surface.
- Combination of a hemostatic valve and an integrated push-pull valve opener.
- Clean and safe procedure with a minimized backflow thus limiting blood loss.

### Ordering Information

Cat Code	Description
110302	9F I- Easy valve with side arm stopcock
110303	9F I- Easy valve Kit with side arm stopcock
110308	9F I- Easy valve without side arm stopcock
110903	9F I- Easy valve Kit without side arm stopcock
<b>Kit*</b> = Hemostasis Y- Connector + Torquer (P/W) + Blunt Introducer	

**note:** \*customized kit available on request

# Push Click

## HEMOSTASIS Y-CONNECTOR

Vascular Access Division  
**VAD**

CE  
0470

- For easy, fast and accurate single handed intra vascular device insertion.
- Perfect insertion device respecting the integrity of the coated surface.
- Combination of a hemostatic valve and an integrated push-pull valve opener.
- Clean and safe procedure with a minimized backflow thus limiting blood loss.



### Ordering Information

Cat Code	Description
110306	Hemostasis Push Click Y- Connector
110307	Hemostasis Push Click Y- Connector Kit with side arm stopcock
<b>Kit*</b> = Hemostasis Push Click Y- Connector + Torquer (P/W) + Blunt Introducer	
110904	Hemostasis Push Click Y- Connector Kit without side arm stopcock
<b>Kit*</b> = Hemostasis Y- Connector + Torquer (P/W)+ Blunt Introducer	

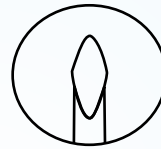
**note:** \*customized kit available on request

# Introducer

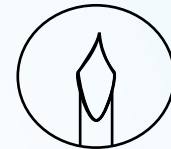
## ADVANCE GUIDEWIRE INTRODUCER

Vascular Access Division  
**VAD**

CE  
0470



Bevel Tip  
(BV)



Back cut Tip  
(BC)

- Transparent hub for visualizing the guidewire.
- Available with echogenic tip.
- Smooth hub to cannula transition for easy introduction.
- Sharp cannula provides quick access.
- Bevel /Back cut tip guidewire introducer protected by plastic PP Tube.
- SS material AISI304.

### ordering information

Cat Code	Size	Length
110501 (BV/BC)	18 G	7 cm
110501 (WBC)	18 G	7 cm
110502	20 G	4 cm
110503	21 G	4 cm



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# Control

DEVICE

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- Special design with super-flexible silicon plunger greatly reduces the frictional resistance.
- Angiography control devices to enhance performance during interventional procedure.
- Palm pad plunger and ring grip for easy manoeuvrability.



## Ordering Information

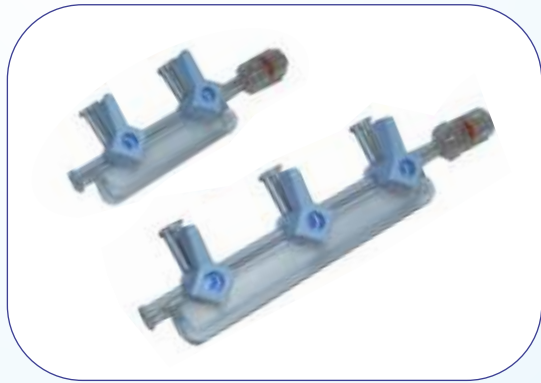
Cat Code	Description
111001	12 cc Palm and Finger Control

# Manifolds

2 PORT & 3 PORT



**Block Body (BB)**

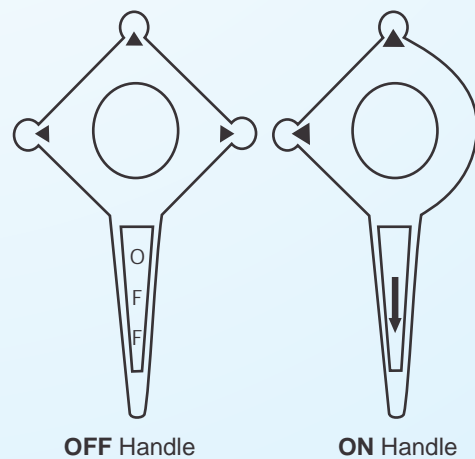


**Half Body (HB)**

- Uni directional.
- Low resistance.
- Anti-siphon.
- Users friendly and smooth operation.
- Ergonomic Design.

## Ordering Information

Cat Code	Description
110801	2 Port Manifold Right (off) BB 250 PSI/BB 500 PSI
110801A	2 Port Manifold Right (off) HB 250 PSI/HB 500 PSI
110802	2 Port Manifold Right (on) BB 250 PSI/BB 500 PSI
110802A	2 Port Manifold Right (on) HB 250 PSI/HB 500 PSI
110803	3 Port Manifold Right (off) BB 250 PSI/BB 500 PSI
110803A	3 Port Manifold Right (off) HB 250 PSI/HB 500 PSI
110804	3 Port Manifold Right (on) BB 250 PSI/BB 500 PSI
110804A	3 Port Manifold Right (on) HB 250 PSI/HB 500 PSI

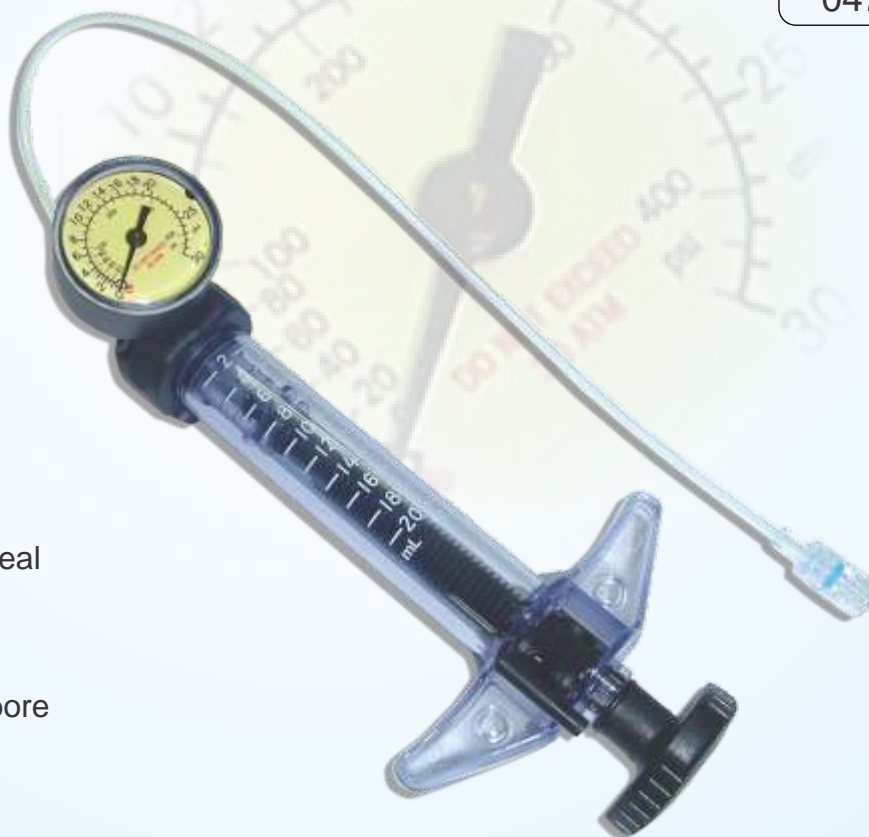


# Galaxy

## Inflation Device

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0470



- Quick Latching mechanism
- 30 ATM manometer
- 20cc syringe with double lip seal
- Nylon reinforced hose
- Stable ergonomic design
- Clear body with draft - free bore

### Ordering Information

Cat Code	Description
111205	30 ATM Galaxy Inflation Device
111206	30 ATM Galaxy Inflation Device Kit
<b>Kit*</b> : Hemostasis Y-Connector + Torquer (P/W) + Blunt Introducer	

**note:** \*customized kit available on request

# Star

## Inflation Device

Vascular Access Division  
**VAD**

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- Ergonomic design with grained surface and slip-free buttons with comfortable hand grip.
- Very stable on the operating drape with easy to read pressure during inflation.
- Suitable for right and left hand users.
- Precise pressure increase with a simple wrist movement up to 30 ATM.
- Clear material facilitating air bubbles detection and removal.
- Efficient cam locking system allows to maintain high pressure which guarantees fast, easy and automatic release.
- Quick deflation of every balloon regardless of the size with the 30 cc syringe.



### Ordering Information

Cat Code	Description
111203	30 ATM Star Inflation Device
111204	30 ATM Star Inflation Device Kit
<b>Kit*</b> : Y-connector + Torquer (P/W) + Blunt GW Introducer	

**note:** \*customized kit available on request

# NOVA

## Inflation Device

Vascular Access Division  
**VAD**

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- 30 atm gauge reliable in any procedure.
- 90 degree rotating manometer allows convenience in handling.
- Coded figures from nominal to burst pressure.
- Unique mechanism for rapid pressure increase helps to increase efficiency for fast procedures.
- 20cc graduated compact syringe.
- Grip design for better handling.
- Clear material for easy air bubble detection and removal.
- Ergonomic design for optimal handling.
- Progressive resistance while inflation gives pressure feedback.



### Ordering Information

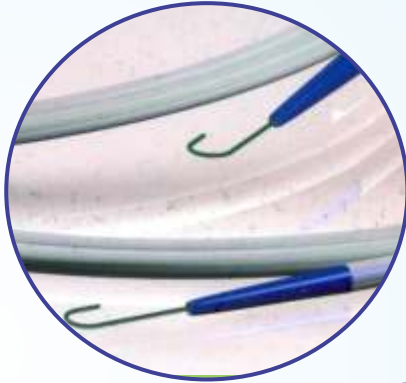
Cat Code	Description
111207	30 ATM NOVA Inflation Device
111208	30 ATM NOVA Inflation Device Kit

**Kit\*:** Hemostasis Y-Connector + Torquer (P/W) + Blunt Introducer

**note:** \*customized kit available on request

# Guidewires

## ANGIOGRAPHY GUIDE WIRES



- Full length tapered core for excellent pushability- 1:1 transmission from the proximal end to the tip.
- The excellent soft tip and memory retention.
- Easy entry into the vessel.
- The high flexible material of guidewire makes it easy to use.

### Ordering Information

Cat Code	Shape	Diameter	Length (cm)	Cat Code	Shape	Diameter	Length (cm)
110601	ST	0.025"	150	110617	ST-N	0.025"	150
110602	ST	0.032"	150	110618	ST-N	0.032"	150
110603	ST	0.035"	150	110619	ST-N	0.035"	150
110604	ST	0.038"	150	110620	ST-N	0.038"	150
110605	ST	0.025"	260	110621	ST-N	0.025"	260
110606	ST	0.032"	260	110622	ST-N	0.032"	260
110607	ST	0.035"	260	110623	ST-N	0.035"	260
110608	ST	0.038"	260	110624	ST-N	0.038"	260
110609	J	0.025"	150	110625	J-N	0.025"	150
110610	J	0.032"	150	110626	J-N	0.032"	150
110611	J	0.035"	150	110627	J-N	0.035"	150
110612	J	0.038"	150	110628	J-N	0.038"	150
110613	J	0.025"	260	110629	J-N	0.025"	260
110614	J	0.032"	260	110630	J-N	0.032"	260
110615	J	0.035"	260	110631	J-N	0.035"	260
110616	J	0.038"	260	110632	J-N	0.038"	260

**note: abbreviation st= straight tip j-n= j tip nitinol  
j= j tip st-n= straight tip nitinol**

# Pressure

## MONITORING LINE

Vascular Access Division  
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0470

- High quality.
- Simple operating procedure.
- Transparent and easy manoeuvrability.

### Ordering Information

Cat Code	Length(cm)	Description	Pressure (PSI)
111301	25	Male to Female	450
111302	50	Male to Female	450
111303	100	Male to Female	450
111304	150	Male to Female	450
111305	200	Male to Female	450
111306	300	Male to Female	450
110701	Custom*	Non-Braided (High pressure monitoring line)	1100
110702	25	Braided (High pressure monitoring line)	1200 (83 Bar)
110703	50	Braided (High pressure monitoring line)	1200 (83 Bar)
110704	100	Braided (High pressure monitoring line)	1200 (83 Bar)

**note: \*custom made available upon request= 25cm-300cm**

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# Custom Kit

## PTCA & ANGIOGRAPHY



- Large Bore 9F ' Y ' Connector, Insertion Tool and Torquer to facilitate the PTCA / STENT procedure.
- High Pressure 1200 PSI Angiodye Connector for easy flow of contrast.
- Control Device 12cc, Transfer Set.
- PM. Line Connector M/F, M/M.

### Ordering Information

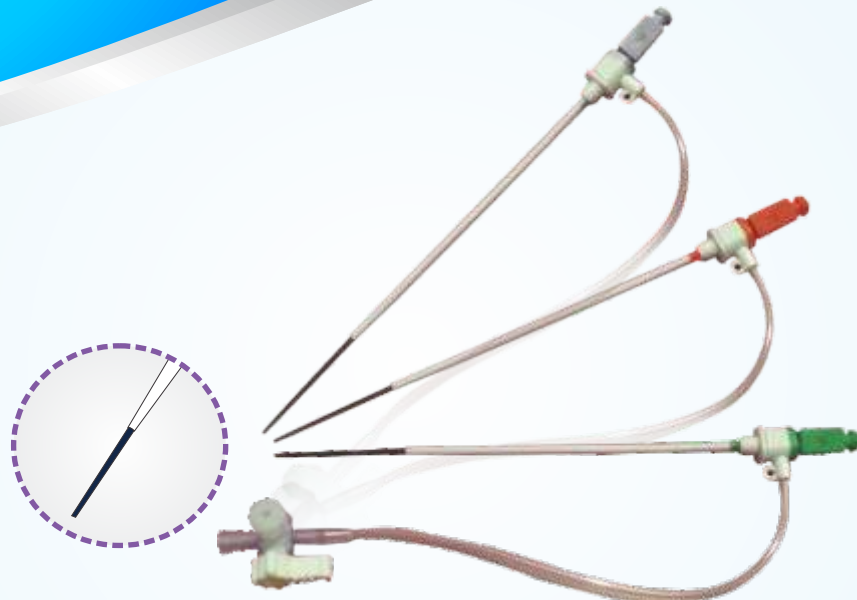
Cat Code	Description
110902	PTCA KIT 5* items
2 port- 3 port <b>Manifolds</b> , Control Device, <b>Y-Connector</b> , Pressure Monitoring Line & Insertion tool	

# Introducer

## SHEATH

Vascular Access Division  
**VAD**

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- Radio opaque sheath with proprietary homeostasis valve and side apart with attached 3-way stopcock side arm.
- Radio opaque atraumatic vessel dilator.
- Smooth atraumatic arterial sheath & dilator transitions locking hub design.

### Ordering Information

Cat Code	French Size	Length*	Guidewire	GW Introducer
111101	4F	10cm	0.038"	18G
111102	5F	11cm	0.038"	18G
111103	6F	11cm	0.038"	18G
111104	7F	11cm	0.038"	18G
111105	8F	11cm	0.038"	18G
111106	9F	11cm	0.038"	18G
111107	5F	23cm	0.038"	18G
111108	6F	23cm	0.038"	18G
111109	7F	23cm	0.038"	18G
111110	8F	23cm	0.038"	18G
111111	9F	23cm	0.038"	18G

**note:** \*can be tailored as per customer requirement

# Trcd

## TRANS RADIAL COMPRESSION DEVICES



- Specially designed for radial artery hemostasis post percutaneous puncture.
- Transparency material ensures clear visual control of hemostasis procedure
- Unilateral valve connected to balloon permits accurate pressure adjustment, providing personalized hemostasis strategy
- Adjustable band length provides precise fit for patient comfort

### Ordering Information

Cat Code	Balloon Volume (ml)
TRCD20	20

# Fsp

## FEMO SEAL PAD

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- Sterile and single use pressure assist device used to assist in obtaining and maintaining hemostasis.
- Safe and effective in reducing active compression time in femoral artery cannulation following diagnostic and intervention procedure.
- Simplify pre and post hemstasis management of the access site, comfortable for the patient, easy to use, provides adjustable active compression and enables immediate pressure adjustment and provides dual benefit of site visibility.
- Used as a sterile dressing to protect the site from contamination.

### Ordering Information

Cat Code	Balloon Volume (ml)
FSP24	20

# I-Pressure

## INFUSOR BAG

Vascular Access Division  
**VAD**



- Rapid response and quick transfusion.
- Emergency infusion and blood transfusion for patients in the emergency, critical care, anesthesia and other clinical departments.
- Can be used in numerous clinical settings

### Includes

- Air bag
- Pressure Gauge
- Valve
- Rubber Ball
- Connecting Tube

### Ordering Information

Cat Code	Description
I-FB500	I- Pressure Infusor Bag
I-FB1000	I- Pressure Infusor Bag

# Notes



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