

MEDINAUT *Plus*⁺_{TM}
for Balloon Kyphoplasty System

MEDINAUT PLUS SYSTEM

Smaller and Stronger Platform for Balloon Kyphoplasty



MEDINAUT PLUS SYSTEM consists of 10-gauge bone access tools with various type of tips and 700-psi inflatable balloon catheter in multiple length and volume options to make good usability in the treatment of percutaneous vertebral augmentation procedures, such as balloon kyphoplasty.

Smaller and Stronger

The 10 gauge working channel and its compatible tools enable more stable and versatile procedures.

Improved Balloon Technology

Improved balloon bonding technology and structural improvements have resulted in pressures up to 700 psi. This strong balloon allows stable procedures under any conditions.

Increasing Your Options

The composition of three needle tip shapes, the two working lengths of cannula and needle, bone cement mixer and bone cement have the option to meet various preferences. It is possible to purchase these configurations separately or can create the desired set configurations.

Compact Package

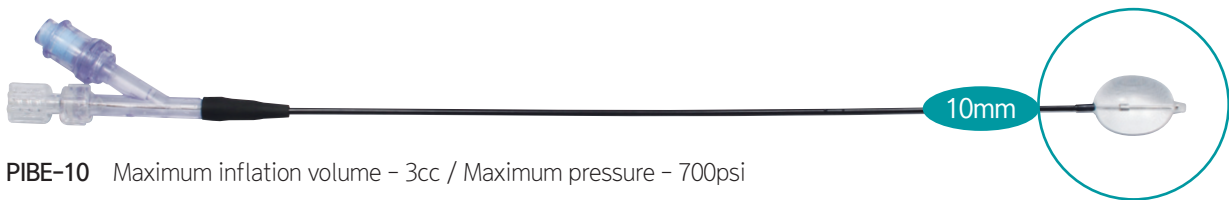
More configurable products are in the smaller box.



MEDINAUT PLUS Balloon Catheter

MEDINAUT PLUS balloon catheter has 700 PSI maximum pressure and provides a further improved use environment.

MEDINAUT PLUS balloon catheter is available in 3 sizes and is packed in a kit or separately.



PIBE-10 Maximum inflation volume – 3cc / Maximum pressure – 700psi



PIBE-15 Maximum inflation volume – 4cc / Maximum pressure – 700psi



PIBE-20 Maximum inflation volume – 5cc / Maximum pressure – 700psi



This special valve prevents the entry of air or foreign matter, which makes it easier to inflate balloon with contrast media or remove the balloon during the procedure.

Model Number	Initial Length (mm)	Max. Inflation Volume (cc)	Max. Inflation Pressure (psi)	Max. Inflation Dimensions (mm)	Max. Inflated Length (mm)
PIBE-10	10	3	700	15.0	18.7
PIBE-15	15	4	700	15.3	24.4
PIBE-20	20	5	700	16.0	28.5

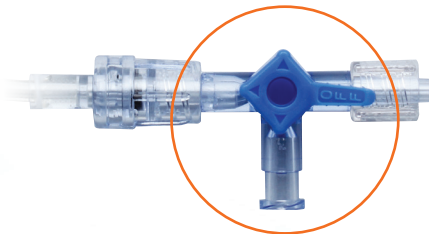
MEDINAUT PLUS Balloon Expander Syringe

MEDINAUT PLUS balloon expander syringe is a 14ml disposable device with a range of 0 to 55 ATM (0 to 800 PSI). This new inflation device provides a more convenient and powerful locking system to use with ergonomically design. Medinaut Plus balloon expander syringes are available in custom kit configurations.



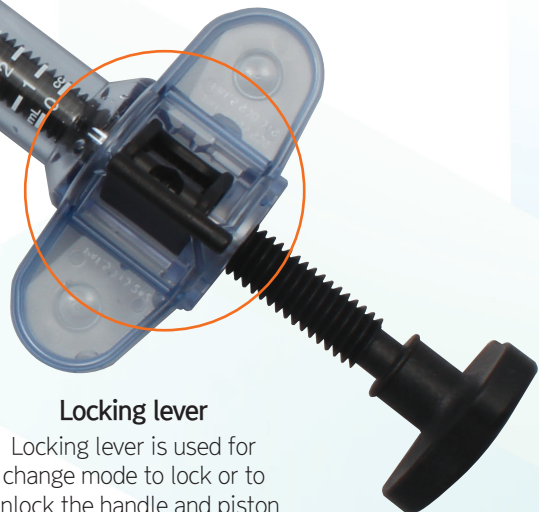
Analog pressure gauge

Max. pressure is 800PSI.



3 Way valve

Fill contrast media to syringe through this valve



Locking lever

Locking lever is used for change mode to lock or to unlock the handle and piston

Order Code

PIBE-B00

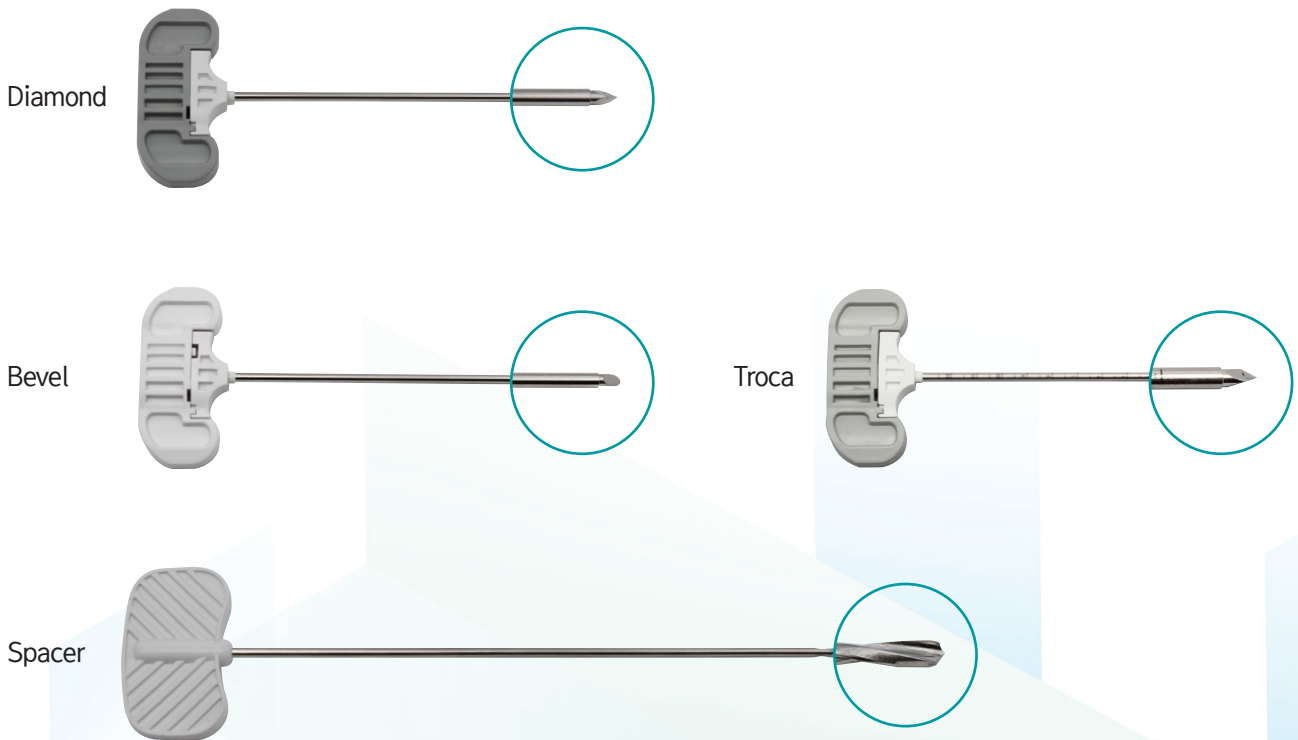
Operating Range

0 ATM (0 PSI) to 55 ATM (800 PSI)

MEDINAUT PLUS Cement Dispenser System

Bone Access Tools

- One step percutaneous bone access tools
- 10-gauge working cannula and multiple types of tips Diamond, Bevel and Trocar
- Two options for the working length of Cannula and Needle (Normal, Long)



Order Code	Product Description
PICD-CND1	Cannula and Needle with Diamond tip - Normal length (132mm)
PICD-CND2	Cannula and Needle with Diamond tip - Long length (155mm)
PICD-CNB1	Cannula and Needle with Bevel tip - Normal length (132mm)
PICD-CNB2	Cannula and Needle with Bevel tip - Long length (155mm)
PICD-CNT1	Cannula and Needle with Trocar tip - Normal length (132mm)
PICD-CNT2	Cannula and Needle with Trocar tip - Long length (155mm)
PICD-SP1	Spacer

Bone Biopsy

MEDINAUT PLUS Bone Biopsy tools is for collecting biopsy samples.



Cement Delivery Tools

Cement pusher & Filler

MEDINAUT PLUS cement delivery tools provide safe delivery of 1cc of bone cement using manual control.



Order Code	Product Description
PICD-BI	Bone Biopsy Device
PICD-CPF	Cement Pusher & Filler




Size Chart

Product description	Total Length (mm)	Working Length (mm)	Diameter (mm)
Cannula - Normal	159	132	3.6
Cannula - Long	182	155	3.6
Needle - Normal	175	155	3
Needle - Long	198	178	3
Spacer	243.3	210	3
Bone Biopsy	250	233	2.4
Cement Filler	222.2	200	3
Cement Pusher	240	223	2.4

MEDINAUT PLUS

Ordering Information

The type of the needle tip and working length of cannula and needle can be determined according to the desired specification at the time of the set order.

Images of the Kit Components	Set No.		Description
	ULT10 Unilateral kit	Balloon length : 10mm Psi : 700psi	Kit Components 1 x inflation device 1 x balloon catheter 2 x needle 2 x cannula 1 x spacer 1 x biopsy 1 x biopsy cap 5 x cement pusher 5 x cement filler 1 x syringe
	ULT15 Unilateral kit	Balloon length : 15mm Psi : 700psi	
	ULT20 Unilateral kit	Balloon length : 20mm Psi : 700psi	
	UMX10 Unilateral kit with Cement mixer	Balloon length : 10mm Psi : 700psi	Kit Components 1 x inflation device 1 x balloon catheter 2 x needle 2 x cannula 1 x spacer 1 x biopsy 1 x biopsy cap 2 x cement pusher 2 x cement filler 1 x cement mixer 1 x syringe
	UMX15 Unilateral kit with Cement mixer	Balloon length : 15mm Psi : 700psi	
	UMX20 Unilateral kit with Cement mixer	Balloon length : 20mm Psi : 700psi	
	BLT10 Bilateral kit	Balloon length : 10mm Psi : 700psi	Kit Components 2 x inflation device 2 x balloon catheter 2 x needle 2 x cannula 1 x spacer 1 x biopsy 1 x biopsy cap 10 x cement pusher 10 x cement filler 1 x syringe
	BLT15 Bilateral kit	Balloon length : 15mm Psi : 700psi	
	BLT20 Bilateral kit	Balloon length : 20mm Psi : 700psi	
	BMX10 Bilateral kit with Cement mixer	Balloon length : 10mm Psi : 700psi	Kit Components 2 x inflation device 2 x balloon catheter 2 x needle 2 x cannula 1 x spacer 1 x biopsy 1 x biopsy cap 2 x cement pusher 2 x cement filler 1 x cement mixer 1 x syringe
	BMX15 Bilateral kit with Cement mixer	Balloon length : 15mm Psi : 700psi	
	BMX20 Bilateral kit with Cement mixer	Balloon length : 20mm Psi : 700psi	



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