

SENSATION PLUS® IABs
HIGHER EFFICACY AT THE SPEED OF LIGHT

MAQUET
GETINGE GROUP



Names & Titles

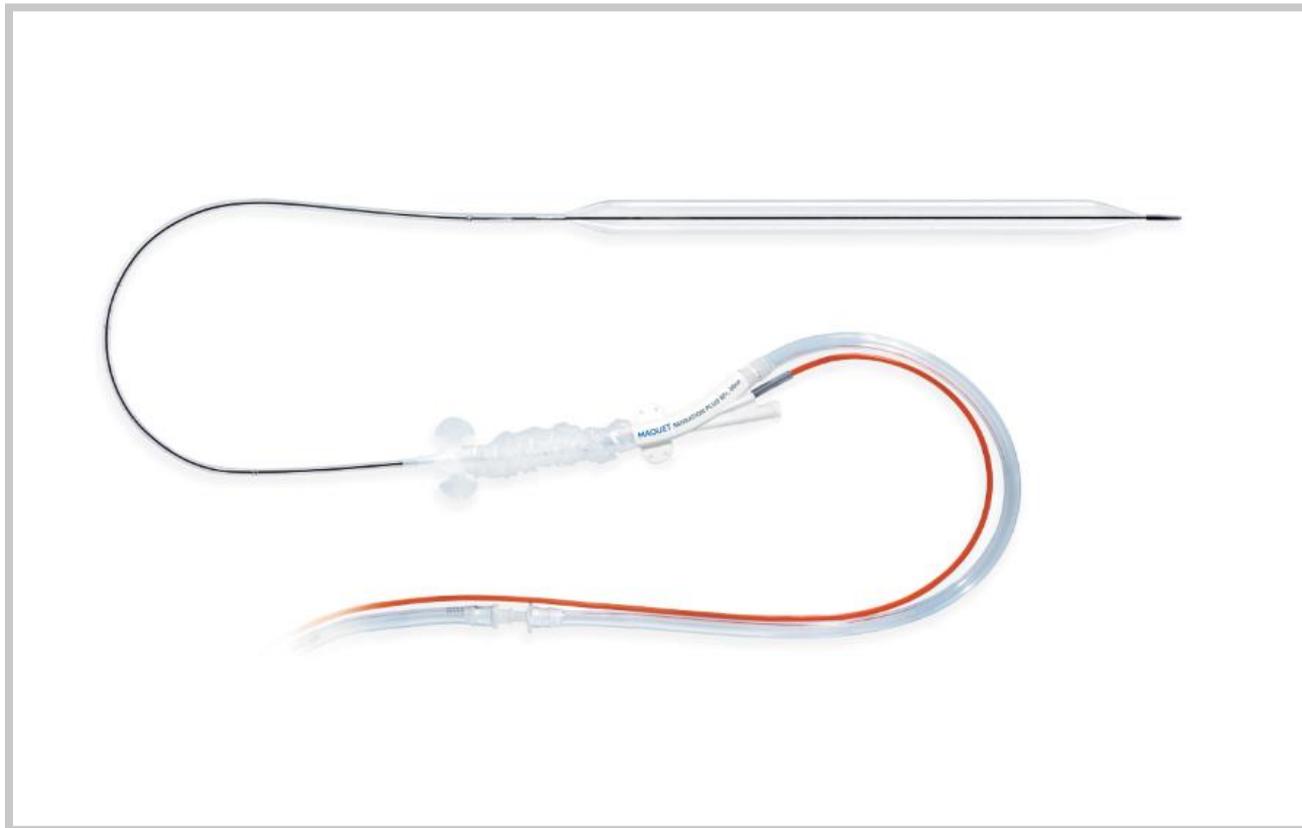


SENSATION PLUS IABs



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SENSATION PLUS: Greater hemodynamic support at the speed of light.



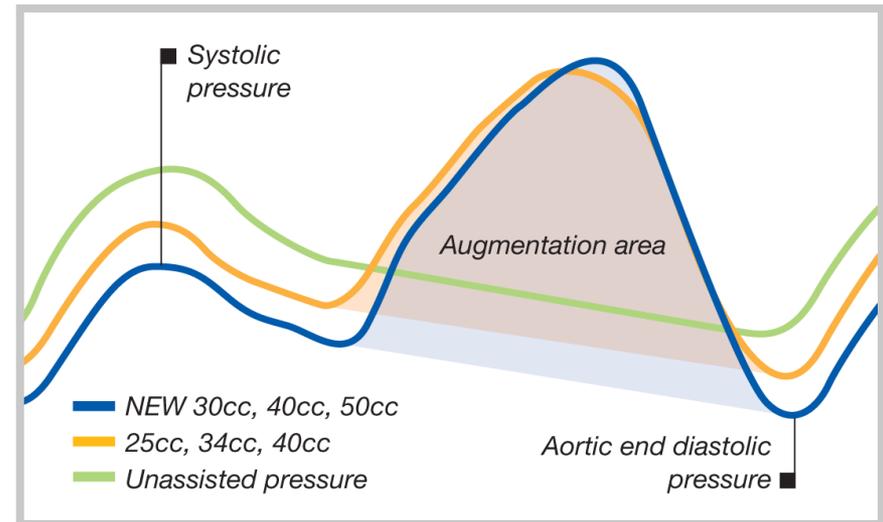
GREATER HEMODYNAMIC SUPPORT*

What are the benefits?

- More blood volume displacement
- More diastolic augmentation
- More systolic unloading

What does this mean for your patient?

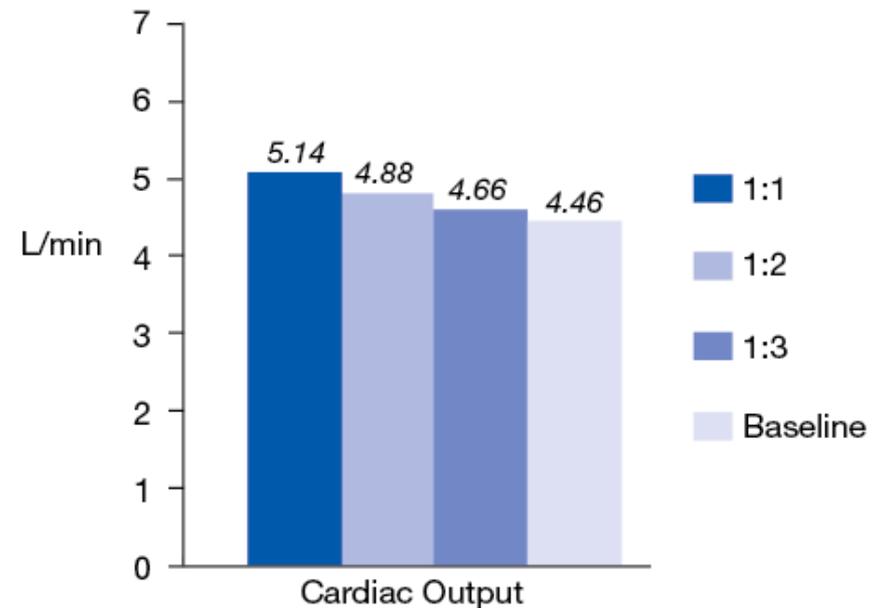
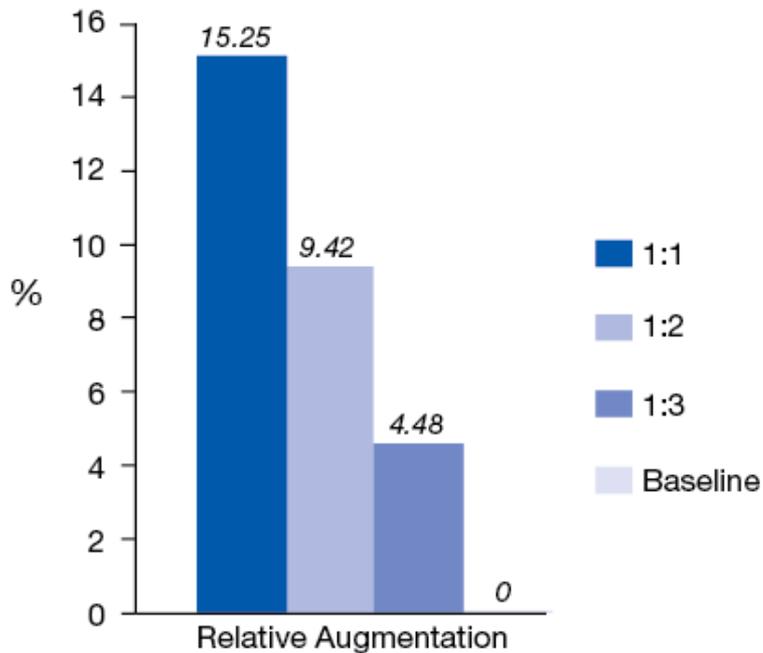
- Greater hemodynamic support for every patient, at any height





Larger Volume (50cc) IAB significantly increases cardiac output

Enhanced Augmentation of Cardiac Output for Different Counterpulsation Modes Using a New Intra-Aortic Balloon and Catheter



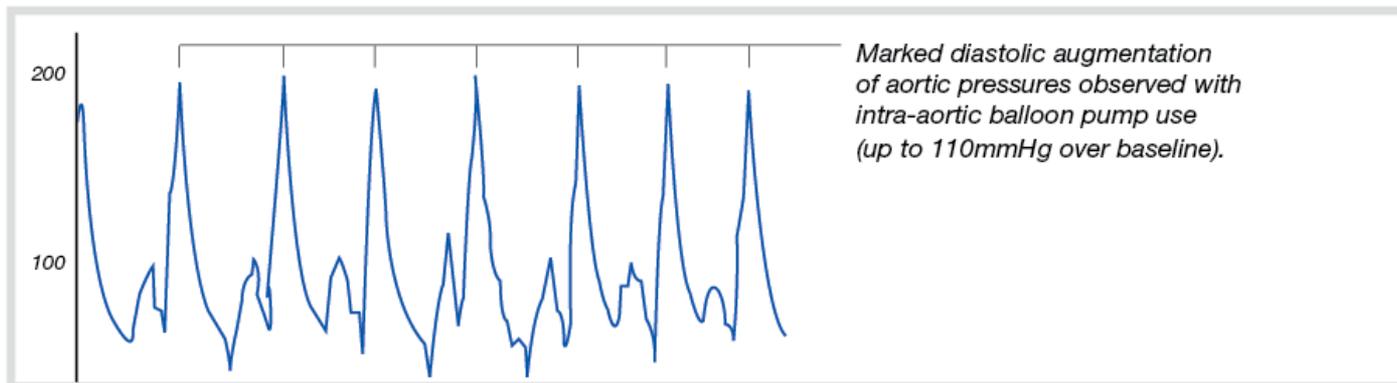


Larger Volume 50cc IAB improves hemodynamics in high-risk PCI

Improvement in Hemodynamics with a New, Larger-Volume (50cc) Intra-Aortic Balloon for High-Risk Percutaneous Coronary Intervention



PRESSURE (ALL VALUES IN mmHg)	INITIAL CATHETERIZATION	BEFORE IABP INSERTION	DURING IABP USE
Right Atrium	8	2	1
Right Ventricle	72/8	65/2	35/1
Pulmonary Artery	72/20	65/16	35/6
Pulmonary Artery, mean	57	33	15
Pulmonary Capillary Wedge Pressure	19	16	5



FIBER-OPTIC TECHNOLOGY

What are the benefits?

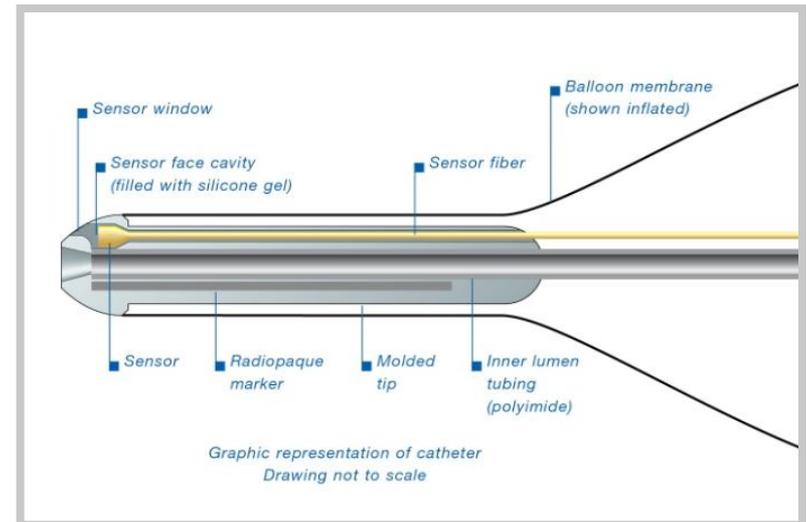
- Automatic *in vivo* calibration: automatically calibrates IAB upon start-up and every 2 hours
- Crisp, clean arterial pressure waveform
- No zeroing of pump
- Instantaneous signal transmission

What does this mean for you?

- Faster and easier process to provide hemodynamic support to patient
- Ongoing consistency and accuracy of arterial blood pressure waveform
- Less work

What does this mean for your patient?

- Faster time to therapy



STATLOCK® IAB NOW INCLUDED

What are the benefits?

- Convenience
- Needle-free securement

What does this mean for you?

- Saves time
- Eliminates suture-securement needle sticks
- Quick and easy application and removal

What does this mean for your patient?

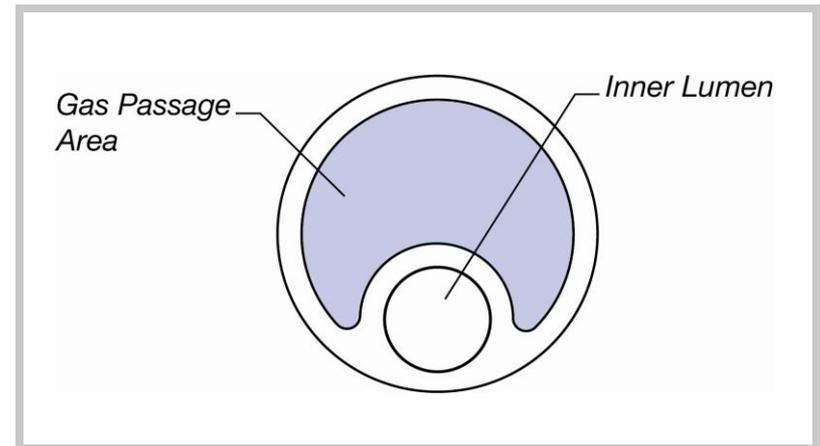
- Comfort and safety
- Eliminates suture-wound complications



ADVANCED IAB DESIGN

What are the benefits?

- One guidewire (0.025") for sheathed or sheathless IAB catheter insertion
- No step-down due to unique balloon wrap
- Co-lumen design for optimal gas passage
- Large 0.027" inner lumen



What does this mean for you?

- Ease-of-use at insertion; no need to exchange wires
- Delivers a reliable pressure transducer signal

What does this mean for your patient?

- Faster time to therapy
- Potentially reduces risk of bleeding with sheathless insertion
- Allows for smaller catheter and sheath size which optimizes distal limb flow
- Enhances helium shuttle speed which potentially optimizes diastolic augmentation



PREMIUM DURATHANE MEMBRANE*

What are the benefits?

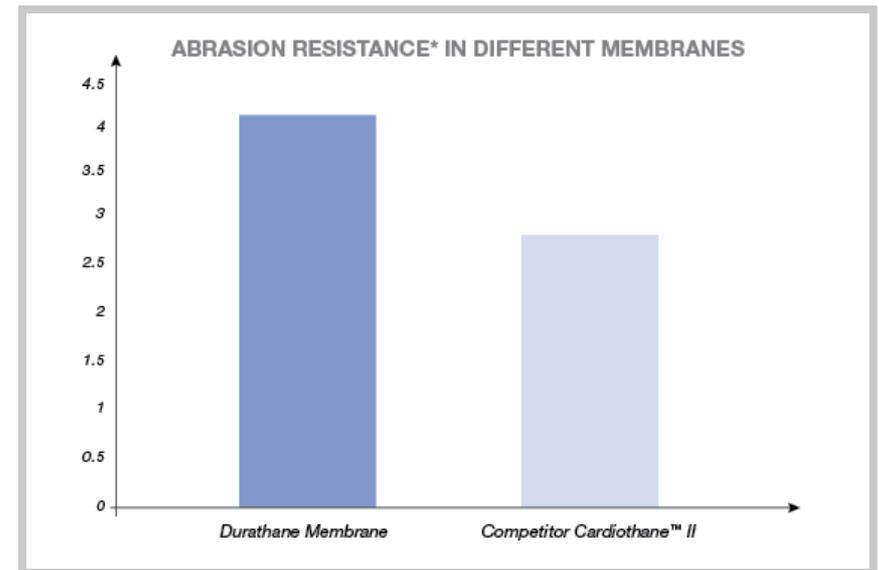
- 43% more abrasion resistance
- Reduced insertion force
- Immediate inflation at start-up

What does this mean for you?

- Easier to insert balloon
- Faster time to therapy

What does this mean for your patient?

- Reduction in balloon leaks
- Faster time to therapy



* Bench testing completed by MAQUET. Data on file. Bench test results are not necessarily predictive of clinical results.

Product Configuration – changes

- Two 4Ft. Pressure Tubings in the Insertion Kit
 - P/N for Insertion Kit accessory changes

Accessories	
SENSATION PLUS 7.5Fr. 40cc Insertion Kit ONLY	0884-00-0019-22
SENSATION PLUS 8Fr. 50cc Insertion Kit ONLY	0884-00-0019-23

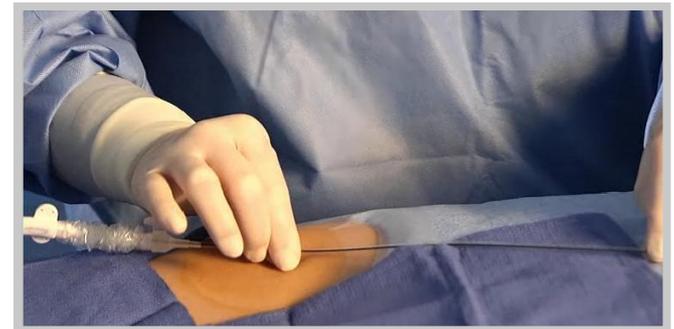


- Removal of Stylet Wire
 - Testing showed: no longer necessary for any of our IABs
 - **Minimizes environmental impact** (ISO 14001 certified)
 - **Eliminates one step** → ease-of-use and faster insertion



Preparing the IAB for Insertion

- IFU: “If fluoroscopy is not used, [keep the catheter in the T-handle and] measure the distance from the angle of Louis or [from the tip of the T-handle at the level] between the second and third intercostal space extending down to the umbilicus and then obliquely over to the femoral insertion site.
- Slide the Universal Sheath Seal up the catheter to this measured distance.”



Why are the NEW sizes better for the patient?

- Larger volume balloons displace more blood volume in the aorta during diastole
- Result: improved augmentation and unloading





INTRA-AORTIC BALLOON NEW SIZING GUIDE

<p>< 5'0" (< 152cm)</p>	<p>5'0" to 5'4" (152cm - 162cm)</p>	<p>5'4" to 6'0" (162cm - 183cm)</p>	<p>5'4" & taller (≥ 162cm)</p>
<p>NEW</p> <p>30cc</p>	<p>NEW</p> <p>40cc</p>	<p>NEW</p> <p>50cc</p>	
	<p>SENSATION PLUS® 7.5Fr.</p>	<p>SENSATION PLUS® 8Fr.</p>	
<p>MEGA® 7.5Fr.</p>	<p>MEGA® 7.5Fr.</p>	<p>MEGA® 8Fr.</p>	
<p>25cc</p>	<p>34cc</p>	<p>40cc</p>	
	<p>SENSATION® 7Fr.</p>	<p>SENSATION® 7Fr.</p>	
<p>LINEAR® 7.5Fr.</p>	<p>LINEAR® 7.5Fr.</p>	<p>LINEAR® 7.5Fr.</p>	

Note: This information is to be used as a guidance only. Clinical information and patient factors such as torso length should be considered when selecting the appropriate balloon size. SENSATION and SENSATION PLUS are fiber-optic IAB catheters.



Comparison of balloon specifications

SPECS	SENSATION PLUS	SENSATION	SENSATION PLUS	SENSATION
Balloon Size				
Patient Height	5'0" to 5'4" (152-162cm)	5'0" to 5'4" (152-162cm)	5'4" & taller (≥162cm)	5'4" to 6'0" (162-183cm)
Catheter/ Sheath Size	7.5Fr.	7Fr.	8Fr.	7Fr.
Balloon Diameter	16mm	15mm	17.4mm	15mm
Balloon Length	229mm	221mm	258mm	258mm
Guidewire	0.025"	0.018" / 0.035"	0.025"	0.018" / 0.035"
Inner Lumen	0.027"	0.020"	0.027"	0.020"

Note: This information is to be used as a guidance only. Clinical information and patient factors such as torso length should be considered when selecting the appropriate balloon size.



Why not consider using a higher efficacy IAB as your FIRST choice when hemodynamic support is needed?



THANK YOU!

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Think BIG and FAST!

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