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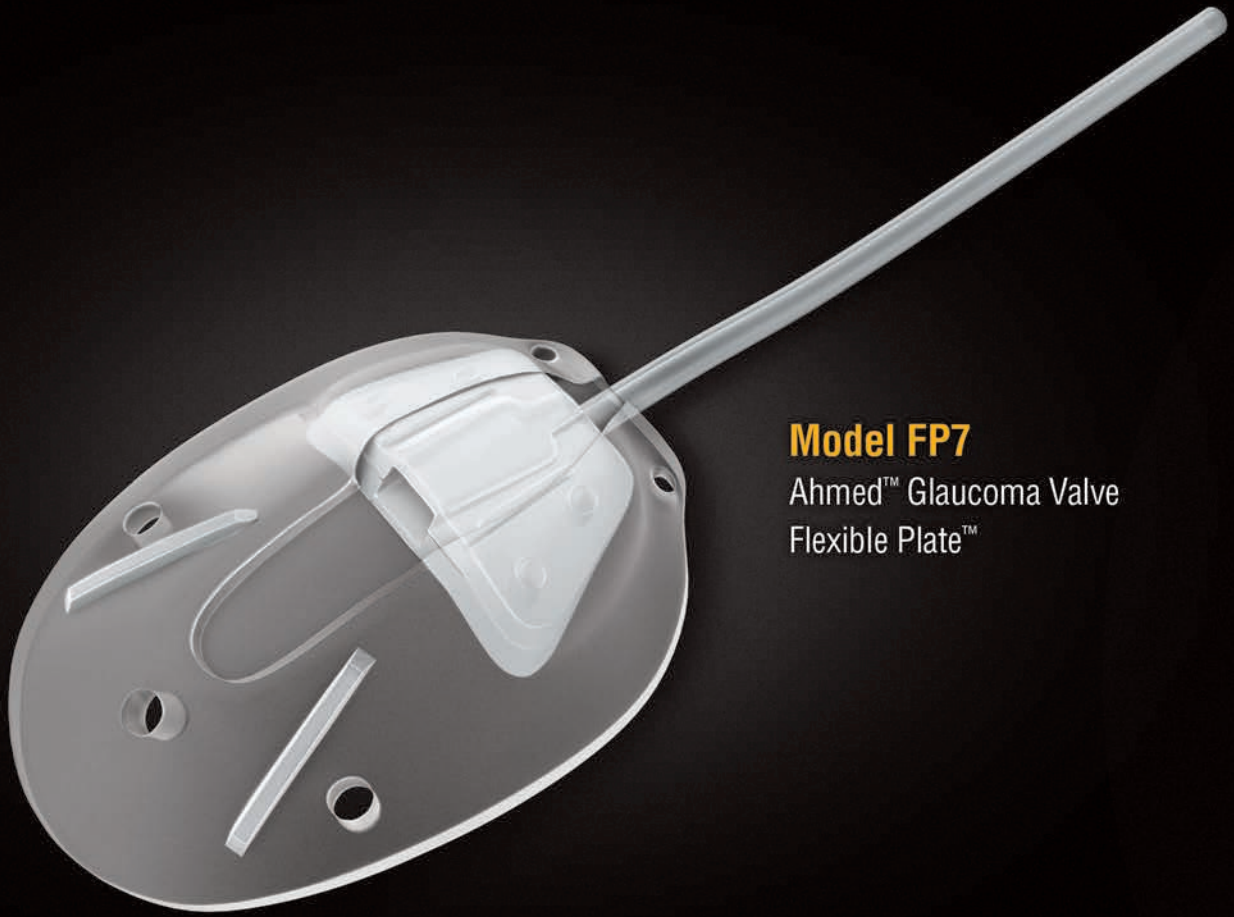
CATALOGUE DE VENTE

The Ahmed™ Glaucoma Valve

Leading the Way in Advanced Glaucoma Drainage Technology



Model FP7

Ahmed™ Glaucoma Valve
Flexible Plate™

Features:
- Made of medical grade silicone
- Immediate reduction of intraocular pressure
- Unique, non-obstructive valve system to prevent excessive drainage and chamber collapse
- Implanted in a true, single-stage procedure
- Tapered profile for easy insertion
- Silicone plate
- Aqueous percolation holes
- Thinner Plate

Plate/Valve Specifications:
Thickness: 0.9mm
Width: 13.00mm
Length: 16.00mm
Surface Area: 184.00mm^2

Tube Specifications:
Length: 25.00mm
Inner Diameter: 0.305mm
Other Diameter: 0.635mm

Materials:
Valved Plate Body: medical-grade silicone
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane
Valve Casing: medical-grade polypropylene

Ordering Information:
Model: FP7 (Ahmed™ Flexible Plate™)

Model FP7

Model S2

Ahmed™ Glaucoma Valve

Features:

- Immediate reduction of intraocular pressure
- Unique, non-obstructive valve system to prevent excessive drainage and chamber collapse
- Implanted in a true, single-stage procedure
- Eliminates drainage tube ligature sutures, "rip-chord" sutures, and occluding sutures

Plate/Valve Specifications:

Thickness: 1.9mm
Width: 13.00mm
Length: 16.00mm
Surface Area: 184.00mm^2

Tube Specifications:

Length: 25.00mm
Inner Diameter: 0.305mm
Other Diameter: 0.635mm

Materials:

Valved Plate Body: medical-grade polypropylene
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane

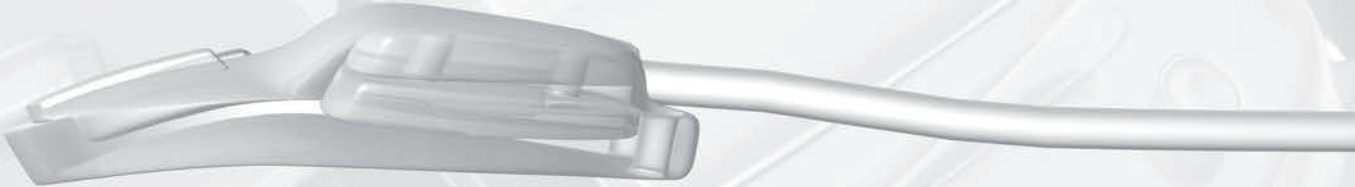
Ordering Information:

Model: S2 (Ahmed™ Glaucoma Valve)

Model S2

Model FP8

Ahmed™ Glaucoma Valve
Flexible Plate™ (Pediatric)



Features:
- Made of medical grade silicone
- Used for pediatrics or small globes
- Immediate reduction of intraocular pressure
- Unique, non-obstructive valve system to prevent excessive drainage and chamber collapse
- Implanted in a true, single-stage procedure
- Eliminates drainage tube ligature sutures, "rip-chord" sutures, and occluding sutures
- Thinner Plate

Plate/Valve Specifications:
Width: 9.60mm
Length: 10.00mm
Surface Area: 96.00mm^2

Tube Specifications:
Length: 25.00mm
Inner Diameter: 0.305mm
Other Diameter: 0.635mm

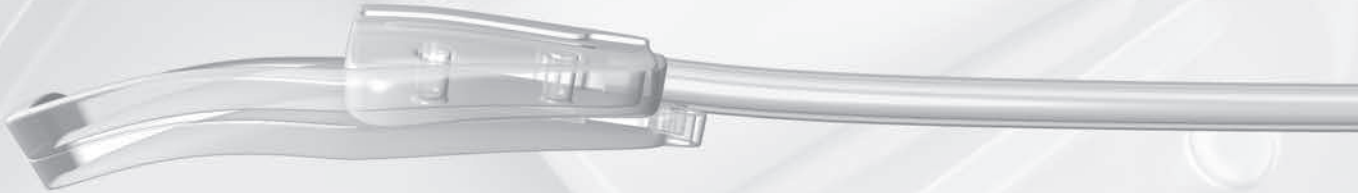
Materials:
Valved Plate Body: medical-grade silicone
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane
Valve Casing: medical-grade polypropylene

Ordering Information:
Model: FP8 (Ahmed™ Flexible Plate™ - Pediatric)

Model FP8

Model S3

Ahmed™ Glaucoma Valve
(Pediatric)



Features:
- Used for pediatrics or small globes
- Immediate reduction of intraocular pressure
- Unique, non-obstructive valve system to prevent excessive drainage and chamber collapse
- Implanted in a true, single-stage procedure
- Eliminates drainage tube ligature sutures, "rip-chord" sutures, and occluding sutures

Plate/Valve Specifications:
Width: 9.60mm
Length: 10.00mm
Surface Area: 96.00mm^2

Tube Specifications:
Length: 25.00mm
Inner Diameter: 0.305mm
Other Diameter: 0.635mm

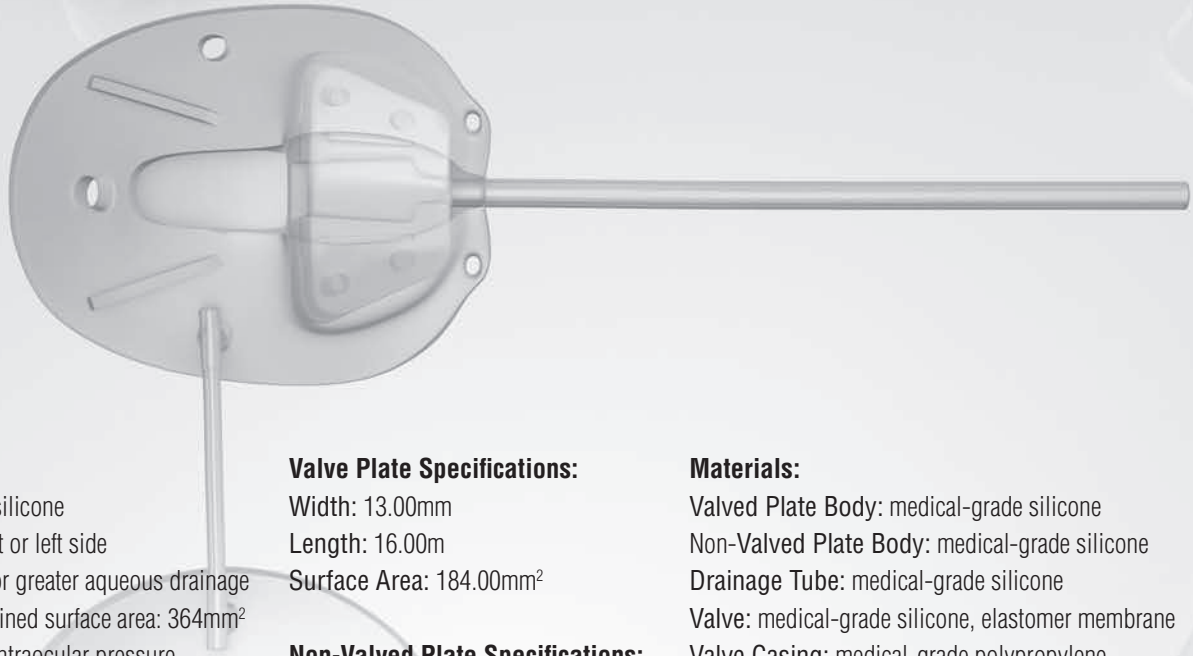
Materials:
Valved Plate Body: medical-grade polypropylene
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane

Ordering Information:
Model: S3 (Ahmed™ Glaucoma Valve - Pediatric)

Model S3

Model FX1

Ahmed™ Glaucoma Valve
Flexible Bi-Plate



Features:
- Made of medical-grade silicone
- Attachable on either right or left side
- Bi-Plate design allows for greater aqueous drainage
- Valve and Bi-Plate combined surface area: 364mm^2
- Immediate reduction of intraocular pressure
- Unique, non-obstructive valve system to prevent excessive drainage and chamber collapse
- Implanted in a true, single-stage procedure
- Eliminates drainage tube ligature sutures, "rip-chord" sutures, and occluding sutures

Valve Plate Specifications:
Width: 13.00mm
Length: 16.00m
Surface Area: 184.00mm^2

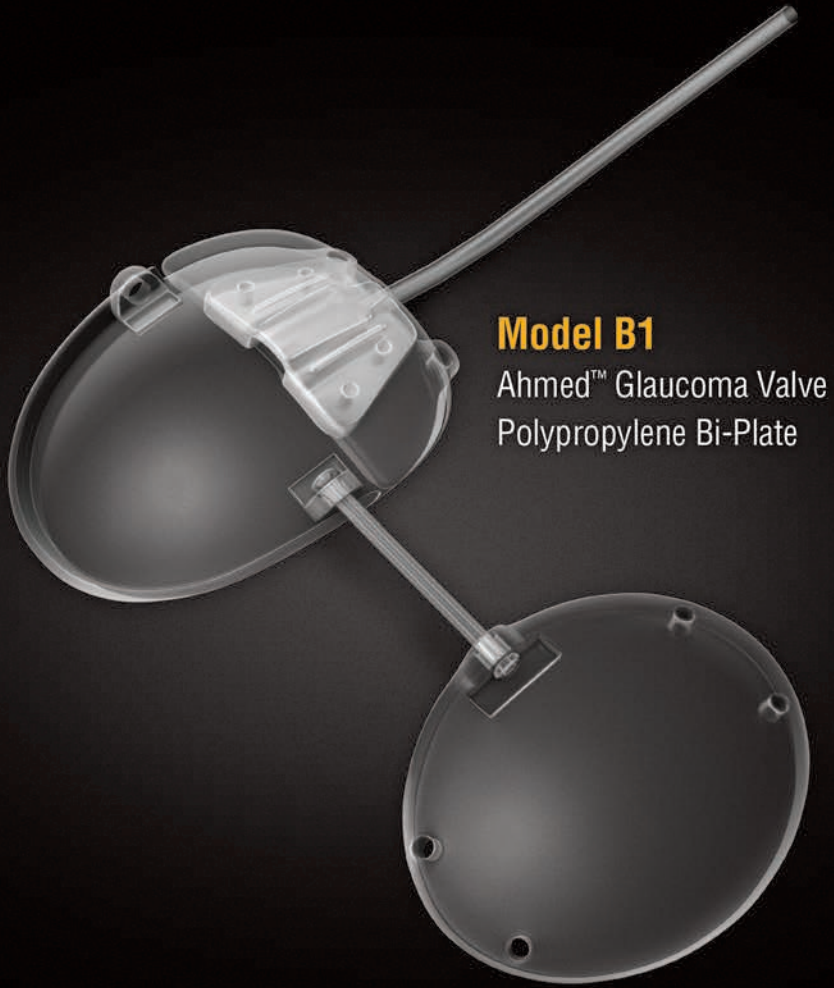
Non-Valved Plate Specifications:
Width: 12.20mm
Length: 14.80mm
Surface Area: 180.00mm^2

Tube Specifications:
Inner Diameter: 0.305mm
Other Diameter: 0.635mm

Materials:
Valved Plate Body: medical-grade silicone
Non-Valved Plate Body: medical-grade silicone
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane
Valve Casing: medical-grade polypropylene

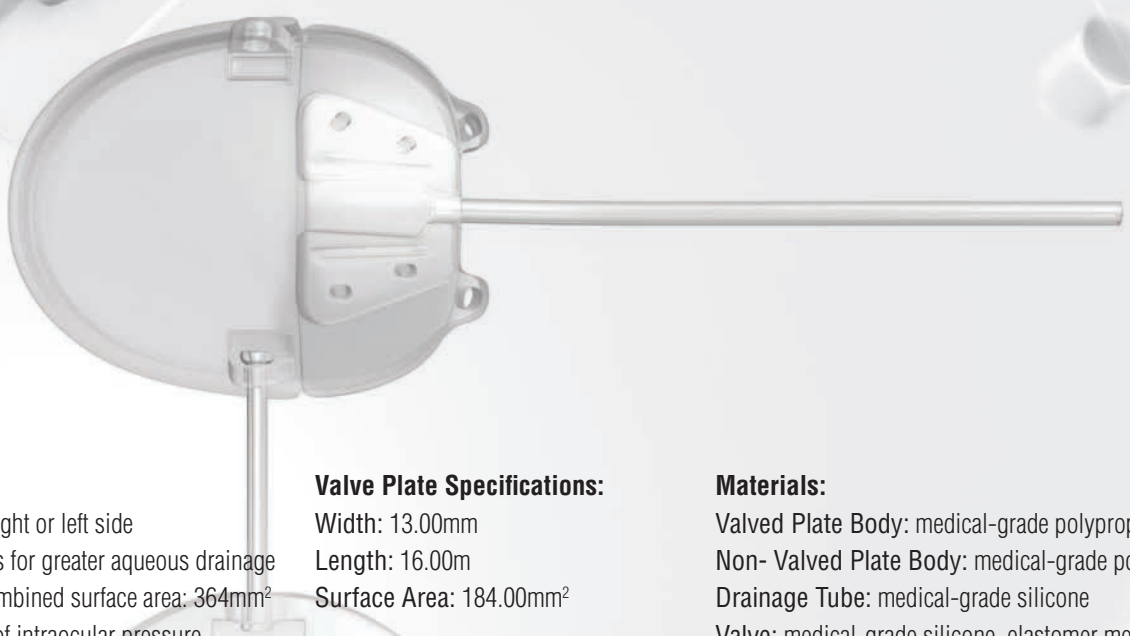
Ordering Information:
Model: FX1 (Ahmed™ Flexible Bi-Plate)

Model FX1



Model B1

Ahmed™ Glaucoma Valve
Polypropylene Bi-Plate



Features:

- Attachable on either right or left side
- Bi-Plate design allows for greater aqueous drainage
- Valve and Bi-Plate combined surface area: 364mm^2
- Immediate reduction of intraocular pressure
- Unique, non-obstructive valve system to prevent excessive drainage and chamber collapse
- Implanted in a true, single-stage procedure
- Eliminates drainage tube ligature sutures, "rip-chord" sutures, and occluding sutures

Valve Plate Specifications:

Width: 13.00mm
Length: 16.00m
Surface Area: 184.00mm^2

Non-Valved Plate Specifications:

Width: 12.20mm
Length: 14.80mm
Surface Area: 180.00mm^2

Tube Specifications:

Inner Diameter: 0.305mm
Other Diameter: 0.635mm

Materials:

Valved Plate Body: medical-grade polypropylene
Non- Valved Plate Body: medical-grade polypropylene
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane

Ordering Information:

Model: B1 (Ahmed™ Glaucoma Valve Bi-Plate)

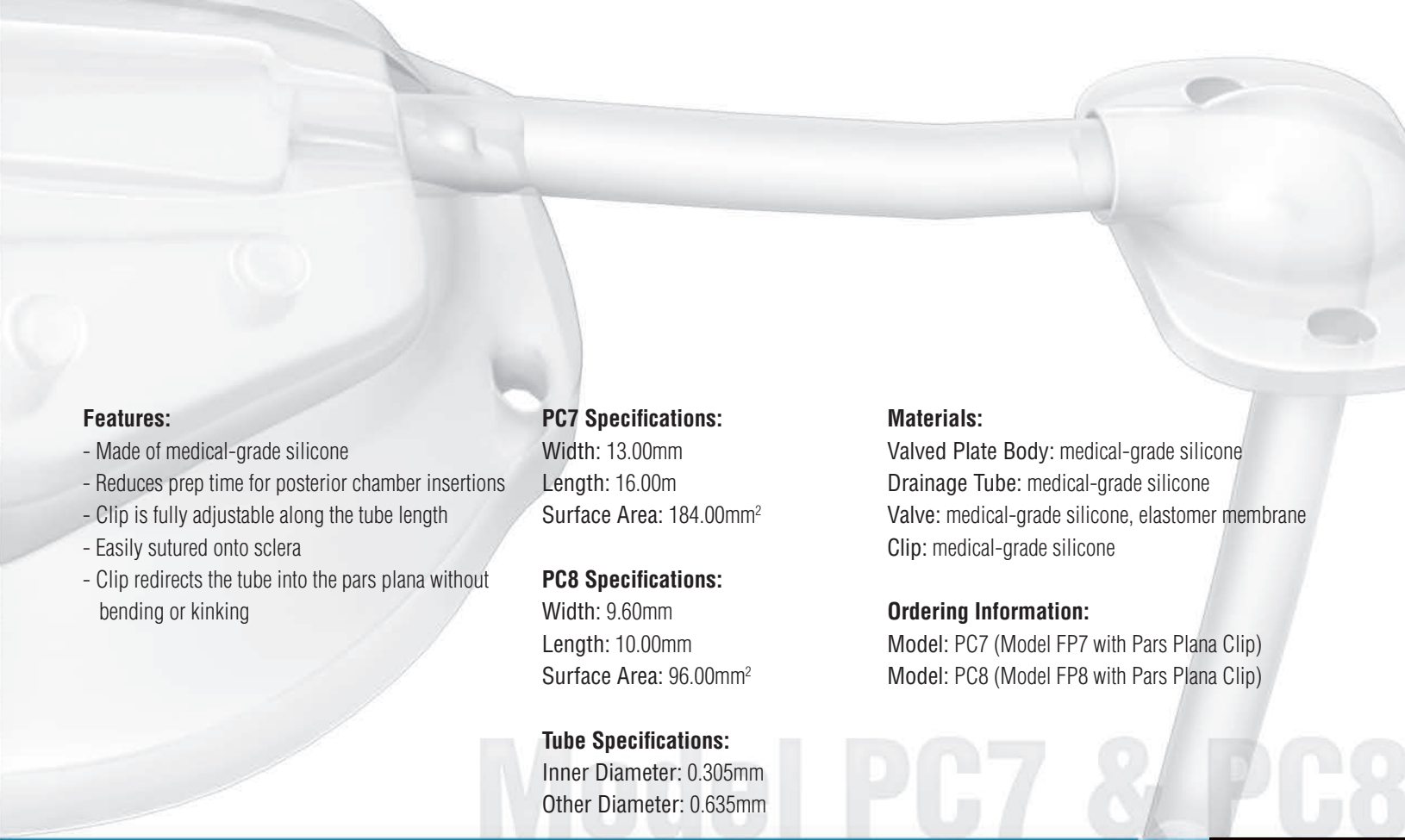
Model B1

Model PC7

Ahmed™ Flexible Plate™
with Pars Plana Clip™

Model PC8

Ahmed™ Flexible Plate™ (Pediatric)
with Pars Plana Clip™



Features:

- Made of medical-grade silicone
- Reduces prep time for posterior chamber insertions
- Clip is fully adjustable along the tube length
- Easily sutured onto sclera
- Clip redirects the tube into the pars plana without bending or kinking

PC7 Specifications:

Width: 13.00mm
Length: 16.00m
Surface Area: 184.00mm^2

PC8 Specifications:

Width: 9.60mm
Length: 10.00mm
Surface Area: 96.00mm^2

Tube Specifications:

Inner Diameter: 0.305mm
Other Diameter: 0.635mm

Materials:

Valved Plate Body: medical-grade silicone
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane
Clip: medical-grade silicone

Ordering Information:

Model: PC7 (Model FP7 with Pars Plana Clip)
Model: PC8 (Model FP8 with Pars Plana Clip)

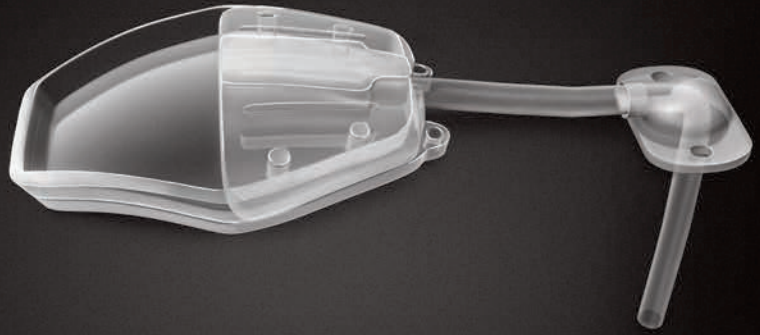
Model PC7 & PC8

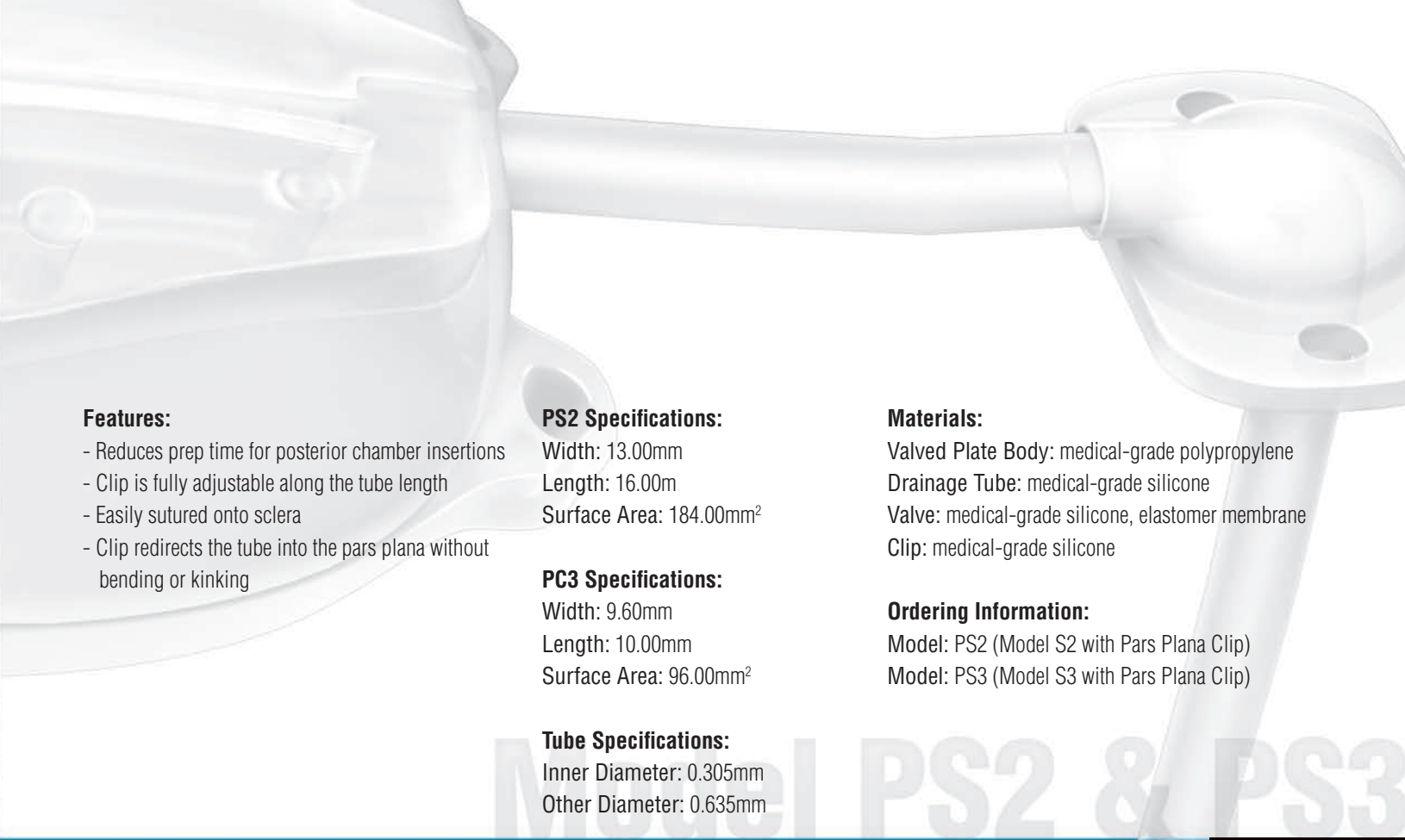
Model PS2

Ahmed™ Glaucoma Valve
with Pars Plana Clip™

Model PS3

Ahmed™ Glaucoma Valve (Pediatric)
with Pars Plana Clip™





Features:
- Reduces prep time for posterior chamber insertions
- Clip is fully adjustable along the tube length
- Easily sutured onto sclera
- Clip redirects the tube into the pars plana without bending or kinking

PS2 Specifications:
Width: 13.00mm
Length: 16.00m
Surface Area: 184.00mm^2

PC3 Specifications:
Width: 9.60mm
Length: 10.00mm
Surface Area: 96.00mm^2

Tube Specifications:
Inner Diameter: 0.305mm
Other Diameter: 0.635mm

Materials:
Valved Plate Body: medical-grade polypropylene
Drainage Tube: medical-grade silicone
Valve: medical-grade silicone, elastomer membrane
Clip: medical-grade silicone

Ordering Information:
Model: PS2 (Model S2 with Pars Plana Clip)
Model: PS3 (Model S3 with Pars Plana Clip)

Model PS2 & PS3

Model PC
Pars Plana Clip™

Model TE
Tube Extender™

Model TI
Tube Inserter™

Pars Plana Clip Features:
- Provides for valve tube insertion into the pars plana
- Fully adjustable along the length of the tube
- Does not compromise integrity of valve tube
- Redirects the tube into the pars plana without bending or kinking
- Can be used with any drainage device
- Easily sutured onto sclera

Ordering Information:
Model: PC (Pars Plana Clip)

Tube Extender Features:
- Provides extra tube length
- Provides leak-proof junction between tubes
- Helpful when drainage tube is cut too short
- Can be used with any drainage device
- Easily sutured onto sclera

Ordering Information:
Model: TE (Tube Extender)

Tube Inserter Features:
- Notched tip secures valve tube
- Provides rigidity to valve tube for easy insertion into the anterior chamber
- Stainless steel
- Serrated grip
- Shorter tip helps to provide better view through microscope
- Reusable and Very inexpensive
- Can be used with any drainage device

Ordering Information:
Model: TI (Tube Inserter)

Model FX4
Non-Valved
Flexible Plate™

Model B4
Non-Valved Plate

Human Allograft Tissue
Pericardium and Sclera

Model FX4 Features:
- Made of medical-grade silicone
- Used with existing implants
- Can be inserted in existing bleb
- Attachable on either right or left side
- Increases surface area of existing implant
- Can be placed over or under the muscle
- Easily sutured onto the sclera

Ordering Information:
Model: FX4
(Non-Valved Flexible Plate™)

Model B4 Features:
- Used with existing implants
- Can be inserted in existing bleb
- Attachable on either right or left side
- Increases surface area of existing implant
- Easily sutured onto the sclera

Ordering Information:
Model: B4
(Non-Valved Plate)

Human Allograft Tissue Features:
- Biocompatible human tissue for leaking blebs
- Gamma sterilized
- 2.5 years shelf life
- Nominal thickness 0.5mm
- Available Freeze-Dried or Hydrated
- Available full thickness sclera or pericardium
- Can be used as ocular tissue for other cosmetic uses

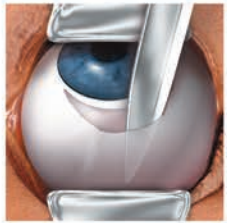
Ordering Information:
TSH: (Human Sclera)
TPH: (Hydrated Pericardium)
TPD: (Freeze-Dried Pericardium)

Surgical Procedure

1.

The implant should be examined and primed prior to implantation. Priming is accomplished by injecting 1cc balanced salt solution or sterile water through the drainage tube and valve, using a blunt 26 gauge cannula.

2.



A fornix-based incision is made through the conjunctiva and Tenon's capsule. A pocket is formed at the superior quadrant between the medial or lateral rectus muscles by blunt dissection of Tenon's capsule from the episclera.

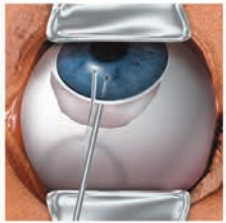
3.

The valve body is inserted into the pocket between the rectus muscles and sutured to the episclera. The leading edge of the device should be at least 8-10mm from the limbus.

4.

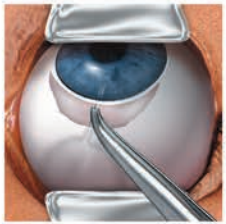
The drainage tube is trimmed to permit a 2-3mm insertion of the tube into the anterior chamber (AC). The tube should be bevel cut to an anterior angle of 30° to facilitate insertion.

5.



A paracentesis is performed, and the AC is entered at the limbus with a sharp 23 gauge needle, parallel to the iris. **Caution:** Care must be taken to insure that the drainage tube does not contact the iris or corneal endothelium after insertion.

6.



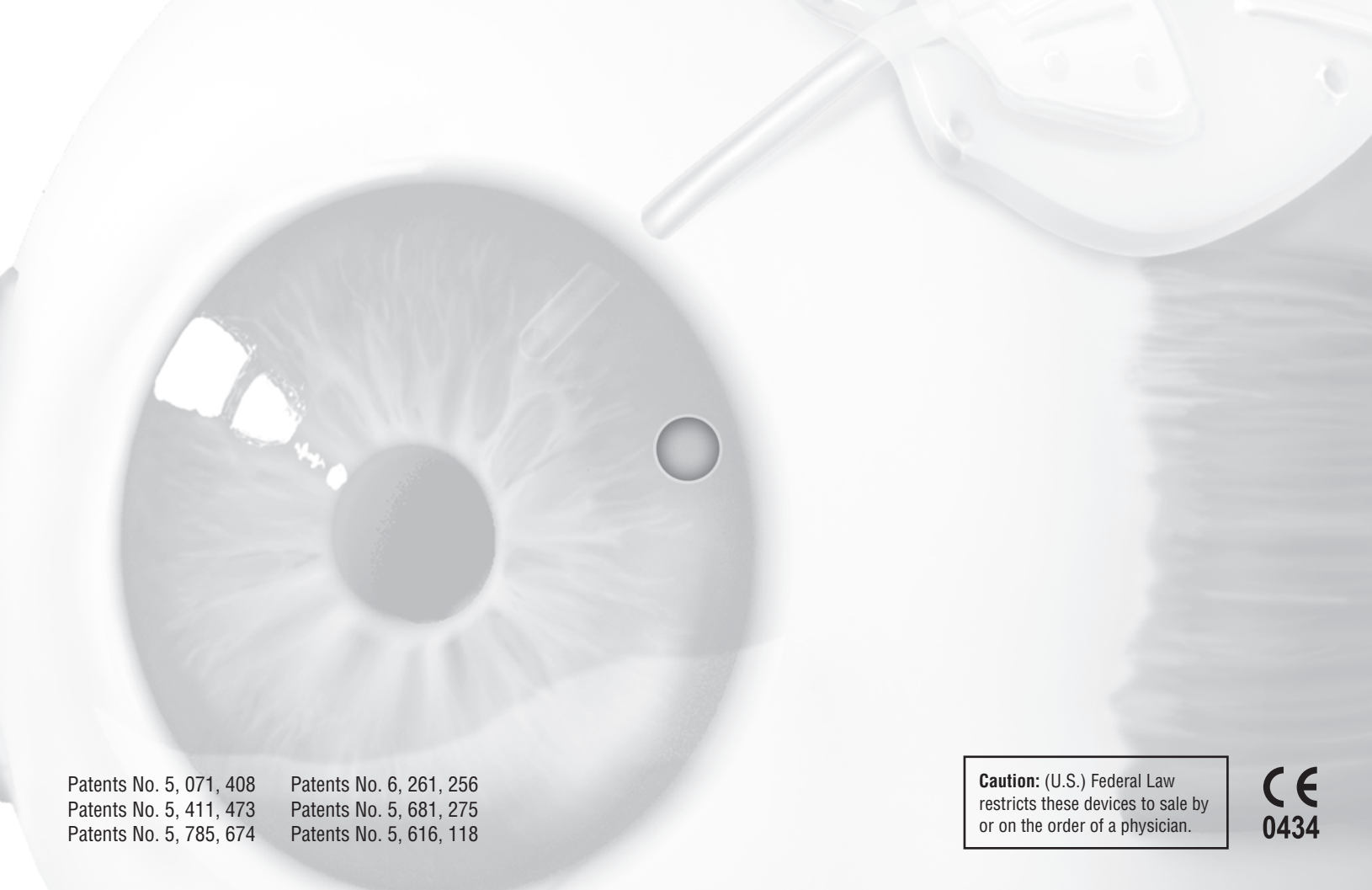
The drainage tube is inserted into the AC approximately 2-3mm, through the needle track and parallel to the iris. The leading edge of the device should be 8-10mm from the limbus.

7.

The exposed drainage tube is covered with a small piece of preserved, donor sclera or pericardium, which is sutured into place and the conjunctiva is closed.

NOTE: As an alternative to Step 7, a 2/3 thickness limbal-based scleral flap may be made. The tube is inserted into the AC through a 23 gauge needle puncture made under the flap. The flap is sutured closed.

The steps illustrated here are intended as a guideline only, and do not represent recommended treatment for any particular patient. The use of any specific surgical technique or maneuver is at the sole discretion of the surgeon. Surgeons should be familiar with the use of glaucoma drainage devices and post-operative care considerations before implanting any drainage device. Reference papers and surgical video tapes are available upon request.



Caution: (U.S.) Federal Law restricts these devices to sale by or on the order of a physician.

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