

# H.P. BRAEM AG

Switzerland

*Precision is our passion*



## PRODUCT CATALOG

*Precision is our passion*



"We are very satisfied with both the quality of service provided by H.P. Braem AG and the very high quality of their cryoprobes."

**Didier Martin**, CEO, Erbe Medical SARL

# Welcome

Dear Customer

We have been developing and producing ophthalmic surgical instruments and accessories for over 30 years. Today, we have established ourselves on the market with high-quality and precise work and are one of the leading manufacturers in this field.

We are focused on satisfying our customers and patients and it is the motivation of the entire team to produce the highest technology and quality standard at all times. We build instruments that are easy and safe in handling.

Benefit from our enormous experience.

Guido Casutt  
CEO





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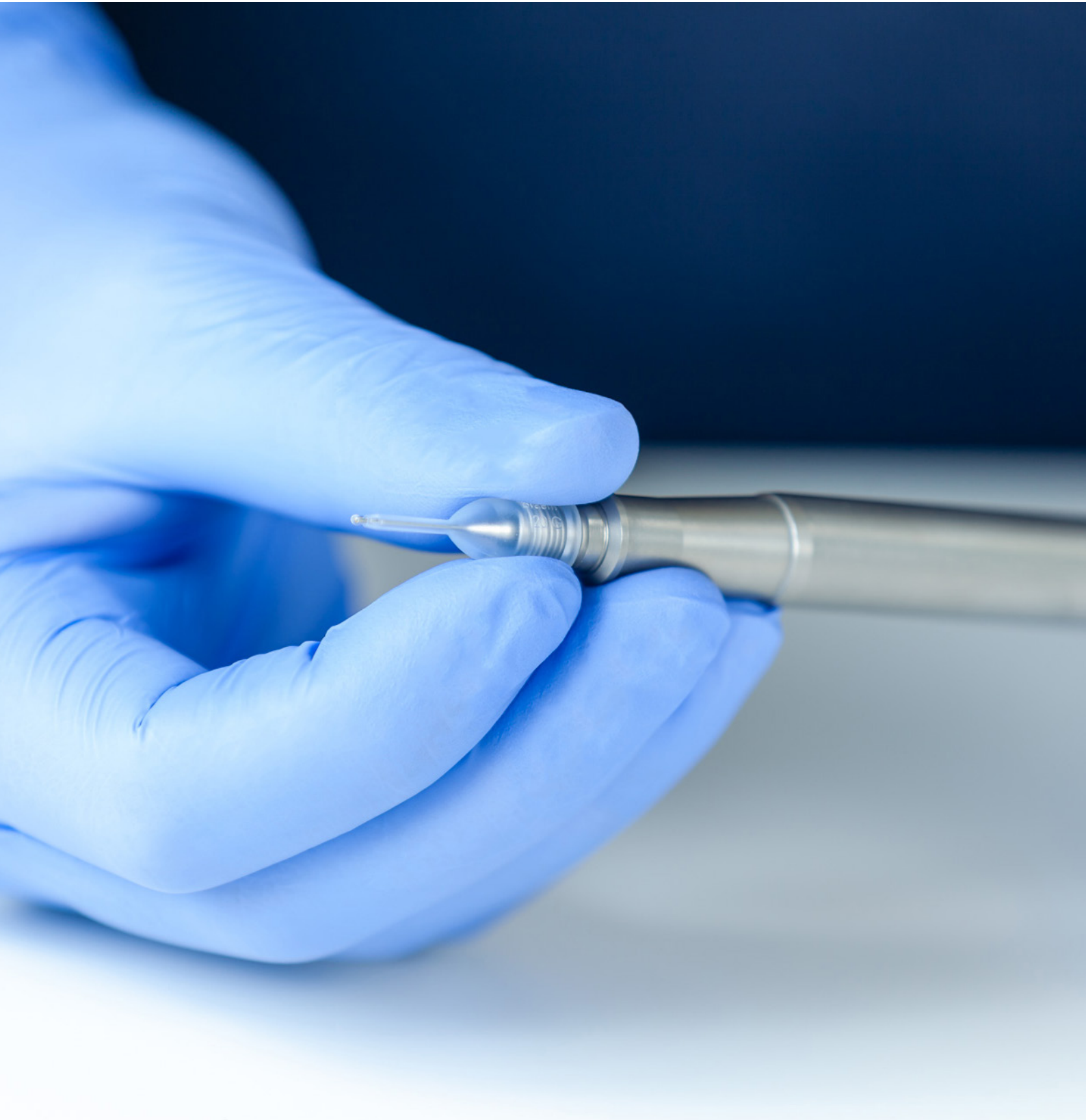




# Cataract

Phaco

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## Phaco handpiece - reusable

The 28kHz handpiece offers, thanks to 6 high-performance piezo crystals, a very strong phaco performance, an optimized starting behavior and an extreme durability.

With only 37g and 10 - 13mm diameter, the handpiece fits perfectly in your hand and thus supports precise handling during surgery.

The flexible cable with a length of 2.2m and special non-stick coating facilitates handling during surgery and reprocessing.

The handpiece REF 12300 is approved for Oertli® devices.

The handpiece REF 12350 is approved for Geuder® devices.



### REF 12300 / REF 12350

#### 28kHz Phaco handpiece

- 6 high performance piezo crystals
- titanium
- 37 grams light
- 10 - 13mm diameter
- 2,2m cable with non-stick coating
- optimized starting behavior
- strong phaco power
- extreme durability

37 grams

perfect  
handling



## Phaco sets sterile - disposable

All in one - with the Braem phaco sets! Tip, sleeve, test chamber and key sterile and ready for single-use. The phaco tips are made of special titanium alloy and the sleeves of a particularly high-quality silicone. The deburred, polished and yet sharp-edged tips support the efficient emulsification of the lens and, in combination with the sleeves, ensure a perfect holdability. The stepless transition from sleeve to tip and the excellent balance between flexibility and stiffness of the sleeves support an easy insertion of the tips into the eye.

Both straight and bent phaco sets are suitable for all common handpieces.

### REF12306

#### 19G Phaco set sterile

- 19G 30° Phaco tip for incision of 2.6 - 2.8mm
- 19G silicone sleeve
- key with optimized distribution of force
- test chamber
- suitable for all common Phaco handpieces
- packaging unit: 5 pcs.
- sterile, separately packaged

### REF12308

#### 20G Phaco set sterile

- 20G 30° Phaco tip for incision of 2.2 - 2.4mm
- 20G silicone sleeve
- key with optimized distribution of force
- test chamber
- suitable for all common Phaco handpieces
- packaging unit: 5 pcs.

### REF12311

#### 22G Phaco set sterile

- 22G 30° Phaco tip for incision of 1.6 - 1.8mm
- 22G silicone sleeve
- key with optimized distribution of force
- test chamber
- suitable for all common Phaco handpieces
- packaging unit: 5 pcs.
- sterile, separately packaged





## Phaco sets bent sterile - disposable

### REF12307

#### 19G Phaco set bent sterile

- 19G 30° Phaco tip bent for incision of 2.6 - 2.8mm
- 19G silicone sleeve
- key with optimized distribution of force
- test chamber
- suitable for all common Phaco handpieces
- packaging unit: 5 pcs.
- sterile, separately packaged

### REF12309

#### 20G Phaco set bent sterile

- 20G 30° Phaco tip bent for incision of 2.2 - 2.4mm
- 20G silicone sleeve
- key with optimized distribution of force
- test chamber
- suitable for all common Phaco handpieces
- packaging unit: 5 pcs.
- sterile, separately packaged

### REF12312

#### 22G Phaco set bent sterile

- 22G 30° Phaco tip bent for incision of 1.6 - 1.8mm
- 22G silicone sleeve
- key with optimized distribution of force
- test chamber
- suitable for all common Phaco handpieces
- packaging unit: 5 pcs.
- sterile, separately packaged



## Phaco tips - reusable

The phaco tips made of special titanium alloy are high-end polished. In combination with the silicone sleeves they guarantee perfect holdability and an extremely efficient emulsification of the lens.

high-end  
polished

perfect  
holdability

### REF12319

#### 19G Phaco tip

- 19G 30° Phaco tip for incision of 2.6 - 2.8mm
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile



### REF12320

#### 20G Phaco tip

- 20G 30° Phaco tip for incision of 2.2 - 2.4mm
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile



### REF12322

#### 22G Phaco tip

- 22G 30° Phaco tip for incision of 1.6 - 1.8mm
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile



### REF12333

#### Fragmatome tip

- 23G 30° Phaco tip
- 30mm length
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile



## Phaco tips bent - reusable

### REF12318

#### 19G Phaco tip bent

- 19G 30° Phaco tip for incision of 2.6 - 2.8mm
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile



### REF12321

#### 20G Phaco tip bent

- 20G 30° Phaco tip bent for incision of 2.2 - 2.4mm
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile



### REF12324

#### 22G Phaco tip bent

- 22G 30° Phaco tip bent for incision of 1.6 - 1.8mm
- key with optimized distribution of force
- titanium, high-end polished
- suitable for all common Phaco handpieces
- reusable, non-sterile





## Phaco Sleeves - reusable

The sleeves are made of a particularly high-quality silicone and stand out for an excellent balance between flexibility and stiffness. The optimized design allows an ideal flow and a stepless transition to the tip.

stepless  
transition to  
phaco tip

optimized  
flow

### REF 10215

19G Silicone Sleeve for incision of 2.6 - 2.8mm

- suitable for phaco tip REF 12318 and REF 12319
- packaging unit: 2 pcs.
- reusable, non-sterile

### REF 10216

20G Silicone Sleeve for incision of 2.2 - 2.4mm

- suitable for phaco tip REF 12320 and REF 12321
- packaging unit: 2 pcs.
- reusable, non-sterile

### REF 10217

22G Silicone Sleeve for incision of 1.6 - 1.8mm

- suitable for phaco tip REF 12322 and REF 12324
- packaging unit: 2 pcs.
- reusable, non-sterile



### REF 10255

19G Silicone Sleeve for incision of 2.6 - 2.8mm

- suitable for phaco tip REF 12318 and REF 12319
- packaging unit: 100 pcs.
- reusable, non-sterile

### REF 10256

20G Silicone Sleeve for incision of 2.2 - 2.4mm

- suitable for phaco tip REF 12320 and REF 12321
- packaging unit: 100 pcs.
- reusable, non-sterile

### REF 10257

22G Silicone Sleeve for incision of 1.6 - 1.8mm

- suitable for phaco tip REF 12322 and REF 12324
- packaging unit: 100 pcs.
- reusable, non-sterile



## Phaco keys - reusable

The optimized keys allow a safe tightening and release of the phaco tips on the handpiece without slipping.

### REF 10115

Stainless key

- suitable for REF 12319, REF 12320, REF 12322, REF 12333
- packaging unit: 1 pc.
- reusable, non-sterile

### REF 10116

Stainless key for bent phaco tips

- suitable for REF 12318, REF 12321, REF 12324
- packaging unit: 1 pc.
- reusable, non-sterile



## Phaco test chamber - reusable

### REF 10102

Test chamber

- packaging unit: 2 pcs.
- reusable, non-sterile



# Cataract

Irrigation / Aspiration - Bimanual

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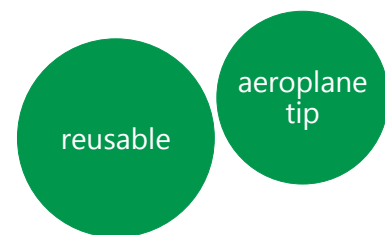


## Irrigation / Aspiration

### Bimanual - reusable

The reusable 21G Bimanual I/A titanium handpieces are equipped with a special aeroplane tip, which allows an easy and gentle insertion into the eye. The standard handpieces have a polished irrigation and a roughened aspiration tip. With a weight of only 13 grams and a total length of over 100mm they fit perfectly in the hand.

The handpieces are suitable for all common phaco systems.



#### REF 40300

##### 21G Bimanual Set

- 1 handpiece irrigation, polished (blue)
- 1 handpiece aspiration, abrasive (purple)
- aeroplane tip
- titanium
- lightweight (13g)
- suitable for all common phaco systems
- reusable, non-sterile



#### REF 40301

##### 21G Bimanual irrigation

- 1 handpiece irrigation (blue)
- aeroplane tip, polished
- titanium
- lightweight (13g)
- suitable for all common phaco systems
- reusable, non-sterile



#### REF 40302

##### 21G Bimanual aspiration

- 1 handpiece aspiration (purple)
- aeroplane tip, abrasive
- titanium
- lightweight (13g)
- suitable for all common phaco systems
- reusable, non-sterile



# Cataract

Irrigation / Aspiration - Monomanual

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## Irrigation / Aspiration

### Monomanual - reusable

The universal I/A handpiece, with integrated bayonet lock, allows a safe attachment and replacement of all Braem I/A tips - even after many uses. With only 19 grams, the handpiece is very light and thus supports precise handling during surgery.

The handpiece is suitable for all common phaco systems.



reusable

1 handpiece  
9 tips

#### REF 40400

##### I/A Monomanual handpiece

- universal handpiece
- lightweight (19g)
- can be combined with all Braem I/A tips
- bayonet lock: quick and safe exchange of tips
- suitable for all common phaco systems
- reusable, non-sterile





## I/A tip - reusable

Suitable for handpiece REF 40400

### REF 40401

19G I/A tip for incision: 2.6 - 2.8mm

- bent, 2mm
- irrigation made of metal



### REF 40402

19G I/A tip for incision: 2.6 - 2.8mm

- straight
- irrigation made of metal



### REF 40403

19G I/A tip for incision: 2.6 - 2.8mm

- angled
- irrigation made of metal



### REF 40404

19G I/A tip for incision: 2.6 - 2.8mm

- straight
- irrigation with silicone sleeve



### REF 40405

19G I/A tip for incision: 2.6 - 2.8mm

- angled
- irrigation with silicone sleeve



### REF 40411

20G I/A tip for incision: 2.2 - 2.4mm

- straight
- irrigation with silicone sleeve



### REF 40412

20G I/A tip for incision: 2.2 - 2.4mm

- angled
- irrigation with silicone sleeve



### REF 40416

22G I/A tip for incision: 1.6 - 1.8mm

- straight
- irrigation with silicone sleeve



### REF 40417

22G I/A tip for incision: 1.6 - 1.8mm

- angled
- irrigation with silicone sleeve



## I/A Sleeves - reusable

The I/A sleeves are made of a particularly high-quality silicone and stand out for an excellent balance between flexibility and stiffness. The sleeves are suitable for all common I/A tips.

right  
balance of  
flexibility &  
stiffness

optimized  
flow

### REF 10215

19G Silicone Sleeve for incision 2.6 - 2.8mm

- suitable for REF 40404 und REF 40405
- packaging unit: 2 pcs.
- reusable, non-sterile

### REF 10216

20G Silicone Sleeve for incision 2.2 - 2.4mm

- suitable for REF 40411 und REF 40412
- packaging unit: 2 pcs.
- reusable, non-sterile

### REF 10217

22G Silicone Sleeve for incision 1.6 - 1.8mm

- suitable for REF 40416 und REF 40417
- packaging unit: 2 pcs.
- reusable, non-sterile



### REF 10255

19G Silicone Sleeve for incision 2.6 - 2.8mm

- suitable for REF 40404 und REF 40405
- packaging unit: 100 pcs.
- reusable, non-sterile

### REF 10256

20G Silicone Sleeve for incision 2.2 - 2.4mm

- suitable for REF 40411 und REF 40412
- packaging unit: 100 pcs.

### REF 10257

22G Silicone Sleeve for incision 1.6 - 1.8mm

- suitable for REF 40416 und REF 40417
- packaging unit: 100 pcs.
- reusable, non-sterile



# Vitreotomy

Trocars

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## Vitreotomy

### Trocars

Vitreotomy trocars are available in many different sizes and designs. They have proven their outstanding quality and performance in over 195'000 surgeries.

The trocars come as 1- and 2- step designs and in sizes between 20G and 27G.

The 1-step trocars are offered in lance or knife cut. Both have a very low insertion force and are equipped with 3 and 4mm distance markers for correct placement.

Depending on the model, the trocars come with either a security bulb or a roughened surface for a good fit and to prevent unintentional removal.

All trocars guarantee excellent tightness during and after surgery.

proven  
quality in over  
195'000  
surgeries

excellent  
tightness





## Vitreotomy Trocars 1-Step - lance cut - sterile - disposable

### REF 15550

#### 23G vitrectomy cannula system

- 3 inserters with lance cut
- 3 trocars with security bulb
- removable seals (blue)
- 3 stoppers as an alternative sealing method
- 1 irrigation cannula (for silicone-oil-infusion up to 5'000cSt)
- ergonomic handle with distance marker 3 & 4mm
- packaging unit: 1 set, sterile



### REF 15650

#### 25G vitrectomy cannula system

- 3 inserters with lance cut
- 3 trocars with security bulb
- removable seals (blue)
- 1 irrigation cannula
- ergonomic handle with distance marker 3 & 4mm
- packaging unit: 1 set, sterile



### REF 15750

#### 27G vitrectomy cannula system

- 3 inserters with lance cut
- 3 trocars with security bulb
- removable seals (blue)
- 1 irrigation cannula
- ergonomic handle with distance marker 3 & 4mm
- packaging unit: 1 set, sterile



### REF 15555

#### 23G vitrectomy cannula system for Vitreous hernia

- 1 inserter with lance cut
- 1 trocar with security bulb
- removable seal (blue)
- ergonomic handle with distance marker 3 & 4mm
- packaging unit: 1 pc., sterile



## Vitreotomy Trocars - 1-Step - knife cut - sterile - disposable

### REF 15560

#### 23G vitrectomy cannula system

- 3 inserters with knife cut
- 3 trocars with roughened surface
- removable seals (yellow)
- 3 stoppers as an alternative sealing method
- 1 irrigation cannula (for silicone-oil-infusion up to 5'000cSt)
- ergonomic handle with distance marker 3 & 4mm
- packaging unit: 1 set, sterile



## Vitrectomy Trocars 2-Step - sterile - disposable

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### REF 15501

#### 23G vitrectomy cannula system

- 3 inserters made of titanium with atraumatic tip
- 3 trocars with security bulb
- removable seals (blue)
- 3 stoppers as an alternative sealing method
- 1 irrigation cannula (for silicone-oil-infusion up to 5'000cSt)
- packaging unit: 1 set, sterile



## Silicone-oil-aspiration-adapter - sterile - disposable

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### REF 17100

#### Silicone-oil-aspiration-adapter

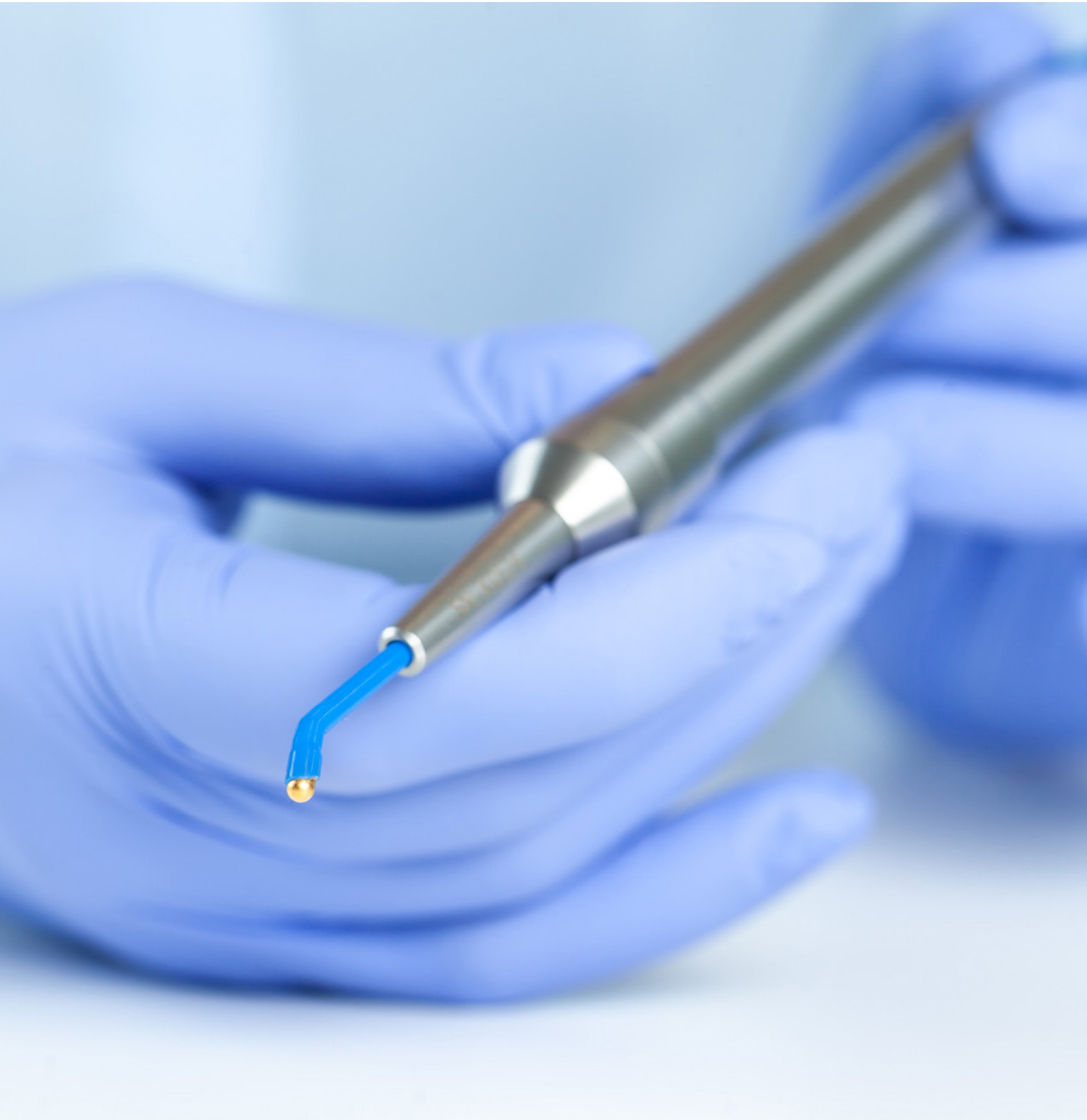
- suitable for all H.P. Braem vitrectomy trocars of sizes 23G, 25G und 27G
- packaging unit: 5 pcs.
- sterile, separately packaged



# Cryo surgery

Cryo probes

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## Cryo probes - reusable

The reusable cryoprobes cover the complete range of ophthalmic cryosurgery. The ergonomic handle and the flexible tube offer a very good handling.

The probes are suitable for washer / disinfectant.

The cryoprobes can be operated either with CO<sub>2</sub> or with N<sub>2</sub>O and are characterized by a very fast and extremely reliable freezing performance.

The cryoprobes are approved for the units of Erbe® (ERBOKRYO AE and ERBOKOMBI E) and Optikon® (Cryo-Line).



suitable for  
washer /  
disinfectant

12  
models

- suitable for washer/disinfectant up to 95°C
- integrated temperature sensor
- ergonomic handle
- flexible tubes
- operation with CO<sub>2</sub> and N<sub>2</sub>O possible
- long service interval: 2 years / 100 cycles





**REF 22060**

- Ø 2mm probe straight
- application: Cataract

**REF 22064**

- Ø 2mm probe bent
- application: Cataract

**REF 22068**

- Ø 1.6mm 60° probe angled
- application: Retina for babys

**REF 22072**

- Ø 2.5mm 60° probe spherical angled
- application: Retina

**REF 22074**

- Ø 2.5mm 60° probe bulbus angled
- application: Retina

**REF 22076**

- Ø 2.5mm 60° probe spherical long angled
- application: Retina

**REF 22080**

- Ø 3mm 90° probe spherical long angled
- application: Retina

**REF 22084**

- Ø 3mm 70° probe
- application: Glaucoma

**REF 22088**

- 4mm 60° probe spatula bent
- application: Retina

**REF 22090**

- 4mm probe spatula straight
- application: Retina

**REF 22092**

- 4 x 10mm probe Trichias
- application: Trichias

**REF 22096**

- Ø 0.9mm probe endo cryo straight
- application: Retina



## H.P. Braem AG

Because quality makes the difference.

"The cooperation with the company H.P. Braem AG is very smooth for us. The products are of first-class quality and if there are any challenges in the field of action the team always helps and advises."

**Katja Bausewein**, Marketing - Product Manager, W2O





This catalog is intended to give an insight into our product range. It was produced with the greatest of care. Nevertheless, we cannot accept any liability for the accuracy of all information. Please be aware that the products and the design can change due to technical improvements and innovations.

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#### **Quality**

All products are approved according to EEC 93/42 or Regulations (EU) 2017/745 and the quality management system of H.P. Braem AG meets the requirements of EN ISO13485:2016.



ISO 13485



EEC 93/42

EU 2017/745

CE 0297 & CE H.P. Braem AG



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