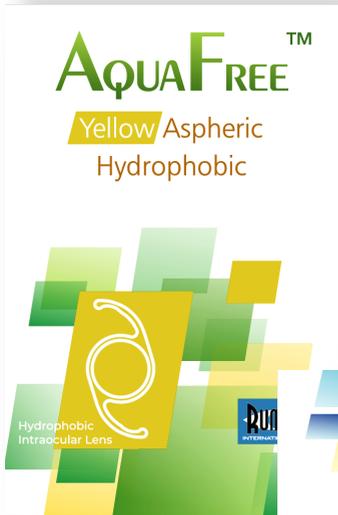


## AQUAFREE™ YELLOW ASPHERIC HYDROPHOBIC & AQUAFREE™ YELLOW PRELOADED



- Hydrophobic acrylic
- Monofocal
- Negative aspheric
- Natural yellow filter
- Posterior chamber



**Preloaded** in Medical Accuject Injector  
Implanted through **2.20 mm** incision

## Highest Standard Material and Technology

- **Low water content**  $\leq 0,5\%$
- **Low glass transition temperature** of the material keeps the lens soft even at low temperature of  $11^{\circ}\text{C}$
- **Glistening-free** due to the lathe-cut manufacturing technology
- **Special surface polishing** – a lens does not stick to itself or to the instruments

## Essential Properties

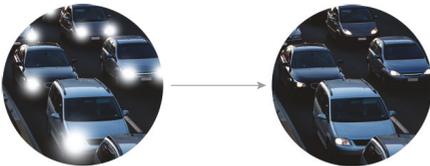
- **$360^{\circ}$  square edge design** protects from cells migration and secondary cataract development
- **$0^{\circ}$  angulation** reduces the risk of secondary cataract and enables easy loading into the cartridge
- **UV and Blue Light blocking** – better protection of macula

## Easy Implantation

- Implantation through less than 2.2 mm incision – **fast recovery**
- **Optimal folding and unfolding ability** – easy to inject
- **Preloaded option** (AquaFree Yellow Preloaded) guarantees predictable IOL injection within less than 5 seconds

## Exceptional Visual Acuity

- **Natural Yellow filter** enables color perception and contrast sensitivity equivalent to the natural lens
- **Negative aspheric** design compensates the positive spherical aberrations of cornea and provides enhanced visual acuity especially in dim light
- **High Abbe number of 50** contributes to clear vision without chromatic aberration – minimized glare and unwanted images:



## Specification

	AquaFree Yellow Aspheric Hydrophobic	AquaFree Yellow Preloaded
Min. incision size		2.2 mm
Overall diameter		13.0 mm
Optic diameter		6.0 mm
Power range		0D to +9D (1D steps) +10D to +30D (0.5D steps)
Self-unfolding		Yes
Water content		<0.5%
Angulation		0°
Material	Natural Yellow Hydrophobic Acrylic	
Optic design	Biconvex, 360° square edge	
Refractive index		1.5
Abbe number		50
Nominal A-constant		118.7
Transition temp. of material		11°C
Filtration	UV and Blue Light (400-475 nm)	
AC-depth		5.51
Shelf life		5 years

### Optimized optical constants

Haigis:      HofferQ:      Holl.1:

a0	a1	a2	pACD	sf	SRK/T	SRK II	n	Ref.
1.32	0.40	0.10	5.51	1.75	118.9	119.2	190	[304], [332]