BVI

IOL PORTFOLIO

Intraocular Solutions Overview

HYDROPHOBIC GFY IOLS

Service and support throughout your cataract surgery pathway.

BVI has grown to be a highly regarded ophthalmic device manufacturer offering a broad portfolio of products, including monofocal and premium Intraocular Lenses (IOLs), a full range of ophthalmic single use consumables, surgical fluids, phaco systems and custom procedure packs. BVI provides innovative and high quality products that perform consistently and predictably for surgeons across the globe.

For over three decades we have been leading the way in the design and development of IOLs, and we continue to prioritize three key areas:

· Striving to offer high-performance optical solutions.
· Meeting the strictest requirements for medical device directives and regulations.
· Focusing to improve the quality of sight and therefore, the quality of life.

Unburdened by legacy or bureaucracy, we have developed our strategy around a simple concept — **taking pride in delivering innovative solutions for our physicians and patients, based on their needs**.

We trust and empower our associates to make decisions and solve problems because collaboration drives us. Valuing agility, simplicity, and transparency, **we stay committed to listening to our customers, delivering for our patients, and keeping the future in focus**.

Product families

GFY HYDROPHOBIC MATERIAL

PREMIUM TRIFOCAL - FINE TECHNOLOGY

FINEVISION HP TORIC
TRIFOCAL OPTIC

FINEVISION HP
TRIFOCAL OPTIC

PREMIUM MONOFOCAL - ISOFOCAL TECHNOLOGY

ISOPURE 1.2.3
Uncompromised. Extended. Simplified.

ISOPURE
Uncompromised. Extended. Simplified.

MONOFOCAL TORIC

PODEYE TORIC
MONOFOCAL OPTIC

MONOFOCAL

MICROPURE 1.2.3
MONOFOCAL OPTIC

MICROPURE
MONOFOCAL OPTIC

PODEYE
MONOFOCAL OPTIC

INJECTION SYSTEM

1.2.3 Premium

Medicel Accuject / Viscoject

MICRO Platform

POD Platform

Note :

The intraocular lenses are not FDA approved. Please check the lens availability with your sales representative.

The ISOPURE 123 and MICROPURE 123 lenses are delivered preloaded in a cartridge, which is simply clipped to the Single-Use Injector 1.2.3. Premium. If you need Single-Use Injector 1.2.3. Premium, please check the availability of the products on your market with your sales representative.

Diopter Range Overview[1]

Optic	Material	Power range
TRIFOCAL TORIC	HYDROPHOBIC	FINEVISION HP TORIC (POD FT 49P)[2]
TRIFOCAL	HYDROPHOBIC	FINEVISION HP (POD F GF)
PREMIUM MONOFOCAL	HYDROPHOBIC	ISOPURE
		ISOPURE 123
MONOFOCAL TORIC	HYDROPHOBIC	PODEYE TORIC (POD T 49P)[2]
MONOFOCAL	HYDROPHOBIC	PODEYE
		MICROPURE
		MICROPURE 123

-10D -1D 0D 6D 10D 30D 31D 35D

[1] Refer to our website for updates | [2] Cylinder power: 1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D | Please check the lens availability with your sales representative

Injection Systems

Optic	Material	Brand	Model	Injection system				
				Viscoject Bio 1.8 Accuject 1.8	Accuject 2.0	Accuject 2.1	Accuject 2.2	123 Premium
TRIFOCAL TORIC	HYDROPHOBIC	FINEVISION HP TORIC GFY	POD FT 49P			≤ 35D	≤ 35D	
TRIFOCAL	HYDROPHOBIC	FINEVISION HP GFY	POD F GF		≤ 24.5D	≤ 35D	≤ 35D	
PREMIUM MONOFOCAL	HYDROPHOBIC	ISOPURE GFY	ISOPURE	≤ 24.5D[3]	≤ 35D	≤ 35D	≤ 35D	
		ISOPURE 1.2.3 GFY	ISOPURE 123					
MONOFOCAL TORIC	HYDROPHOBIC	PODEYE TORIC	POD T 49P			≤ 30D	≤ 30D	
MONOFOCAL	HYDROPHOBIC	PODEYE GFY	PODEYE		≤ 24.5D	≤ 35D	≤ 35D	
		MICROPURE GFY	MICROPURE	≤ 24.5D[3]	≤ 35D	≤ 35D	≤ 35D	
		MICROPURE 1.2.3 GFY	MICROPURE 123					

[3] Only Accuject 1.8

Please check the lens availability with your sales representative

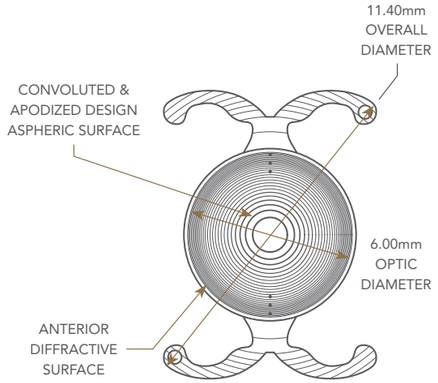
Trifocal Toric

TORIC CALCULATOR:
WWW.PHYSIOLTORIC.EU - SEE P. 30

FINEVISION HP

TORIC GFY

TRIFOCAL OPTIC



Trifocal Toric Hydrophobic

Model	POD FT 49P							
Material	GFY Hydrophobic Acrylic[1]							
Overall diameter	11.40mm							
Optic diameter	6.00mm							
Optic	Biconvex Aspheric Toric Trifocal							
Haptic design	POD (Double C-loop) with Ridgetech® & Posterior Angulated Haptic							
Filtration	UV & Blue Light							
Refractive index	1.53							
Abbe number	42							
Additional power (IOL plane)	+1.75D & +3.50D							
Injection system	Medicel Accuject 2.1/2.2							
Spherical power[4]	+10D to +35D (0.5D steps)							
Cylinder power (IOL plane)[4]	1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D							
Suggested A constant[2]		Interferometry						
	Hoffer Q: pACD	5.85						
	Holladay 1: Sf	2.06						
	Barrett: LF	2.09						
	SRK/T: A	119.40						
	Haigis[3]: a0; a1; a2	1.70; 0.4; 0.1						
	POD FT 49P 1.0	POD FT 49P 1.5	POD FT 49P 2.25	POD FT 49P 3.0	POD FT 49P 3.75	POD FT 49P 4.5	POD FT 49P 5.25	POD FT 49P 6.0
Cylinder power at IOL plane	1.00D	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D
Cylinder power at corneal plane[5]	0.68D	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D

[1] The BVI GFY® is patented since 2010. Patent number: EP1830898. | [2] Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | [3] Not optimized. | [4] Please check the availability of spherical and cylinder powers with your sales representative. | [5] Savini G., J Cataract Refract Surg 2013; 39:1900–1903.

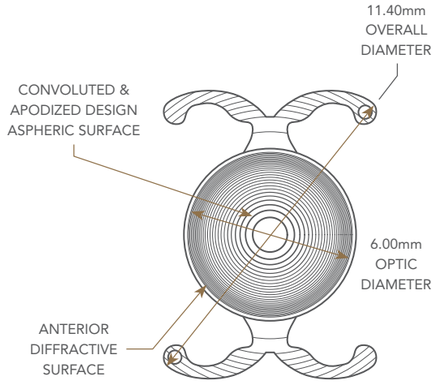
TORIC CALCULATOR:
WWW.PHYSIOLTORIC.EU - SEE P. 30

Trifocal

FINEVISION HP

GFY

TRIFOCAL OPTIC



Model	POD F GF	
Material	GFY Hydrophobic Acrylic[1]	
Overall diameter	11.40mm	
Optic diameter	6.00mm	
Optic	Biconvex Aspheric Trifocal	
Haptic design	POD (Double C-loop) with Ridgetech® & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Additional power (IOL plane)	+1.75D & +3.50D	
Injection system	Medicel Accuject 2.0 up to 24.5D Medicel Accuject 2.1/2.2 up to 35D	
Spherical power[4]	+10D to +35D (0.5D steps)	
Suggested A constant[2]		Interferometry
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis[3]: a0; a1; a2	1.70; 0.4; 0.1

Trifocal Hydrophobic

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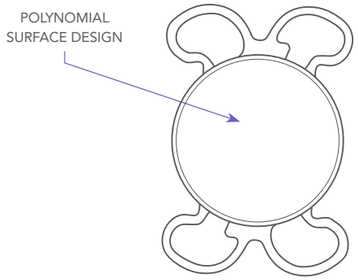
Premium Monofocal



Preloaded Premium Monofocal Hydrophobic

ISOPURE

Uncompromised. Extended. Simplified.

1.2.3

GFY

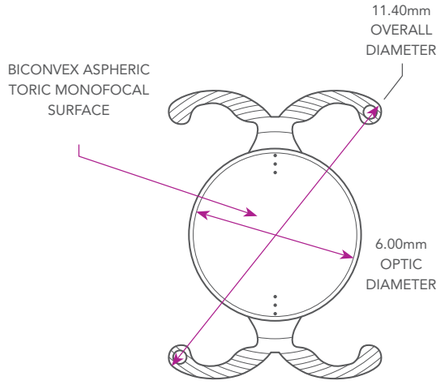
Model	ISOPURE 123	
Material	GFY Hydrophobic Acrylic[1]	
Overall diameter	10D to 24.5D: 11.00mm 25D to 30D: 10.75mm	
Optic diameter	10D to 24.5D: 6.00mm 25D to 30D: 5.75mm	
Optic	Polynomial Surface Design	
Haptic design	MICRO (closed loop quadripode) & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	SINGLE-USE INJECTOR 1.2.3 PREMIUM	
Spherical power[4]	+10D to +30D (0.5D steps) Cartridge with PRS® technology	
Suggested A constant[2]		**Interferometry**
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis[3]: a0; a1; a2	1.70; 0.4; 0.1

	ISOPURE
Overall diameter	10D to 24.5D: 11.00mm - 25D to 35D: 10.75mm
Optic diameter	10D to 24.5D: 6.00mm - 25D to 35D: 5.75mm
Injection system	Medicel Accuject 1.8 up to 24.5D - Medicel Accuject 2.0/2.1/2.2 up to 35D
Spherical power[4]	+10D to +30D (0.5D steps) - +31D to +35D (1D steps)

[1] The BVI GFY® is patented since 2010. Patent number: EP1830898. | [2] Values estimated only: surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | [3] Not optimized. | [4] Please check the availability of spherical powers with your sales representative.

Monofocal Toric

TORIC CALCULATOR:
WWW.PHYSIOLTORIC.EU - SEE P. 30



Monofocal Toric Hydrophobic

PODEYE
MONOFOCAL OPTIC

TORIC

GFY

Model	PODEYE TORIC							
Material	GFY Hydrophobic Acrylic[1]							
Overall diameter	11.40mm							
Optic diameter	6.00mm							
Optic	Biconvex Aspheric Toric Monofocal							
Haptic design	POD (Double-C-loop) haptic design & Posterior Angulated Haptic							
Filtration	UV & Blue Light							
Refractive index	1.53							
Abbe number	42							
Injection system	Medicel Accuject 2.1 / 2.2							
Spherical power[4]	+6D to +30D (0.5D steps)							
Cylinder power (IOL plane)[4]	1.00 - 1.50 - 2.25 - 3.00 - 3.75 - 4.50 - 5.25 - 6.00D							
Suggested A constant[2]		**Interferometry**						
	Hoffer Q: pACD	5.85						
	Holladay 1: Sf	2.06						
	Barrett: LF	2.09						
	SRK/T: A	119.40						
	Haigis[3]: a0; a1; a2	1.70; 0.4; 0.1						
	PODEYE TORIC 1.0	PODEYE TORIC 1.5	PODEYE TORIC 2.25	PODEYE TORIC 3.0	PODEYE TORIC 3.75	PODEYE TORIC 4.5	PODEYE TORIC 5.25	PODEYE TORIC 6.0
Cylinder power at IOL plane	1.00D	1.50D	2.25D	3.00D	3.75D	4.50D	5.25D	6.00D
Cylinder power at corneal plane[5]	0.68D	1.03D	1.55D	2.06D	2.57D	3.08D	3.60D	4.11D

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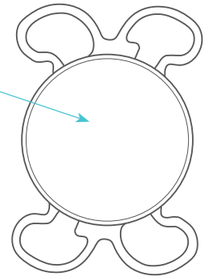
TORIC CALCULATOR:
WWW.PHYSIOLTORIC.EU - SEE P. 30

Monofocal

BICONVEX ASPHERIC
MONOFOCAL
SURFACE



Preloaded Monofocal Hydrophobic

MICROPURE 1.2.3 GFY

MONOFOCAL OPTIC

Model	MICROPURE 123	
Material	GFY Hydrophobic Acrylic[1]	
Overall diameter	0D to 24.5D: 11.00mm 25D to 30D: 10.75mm	
Optic diameter	0D to 24.5D: 6.00mm 25D to 30D: 5.75mm	
Optic	Biconvex Aspheric Monofocal	
Haptic design	MICRO (closed loop quadripode) & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	SINGLE-USE INJECTOR 1.2.3 PREMIUM	
Spherical power[4]	0D to +9D (1D steps) & +10D to +30D (0.5D steps) Cartridge with PRS technology	
Suggested A constant[2]		**Interferometry**
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis[3]: a0; a1; a2	1.70; 0.4; 0.1

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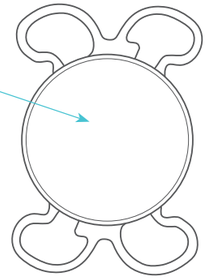
BICONVEX ASPHERIC
MONOFOCAL
SURFACE



Monofocal Hydrophobic

MICROPURE

GFY

MONOFOCAL OPTIC

Model	MICROPURE	
Material	GFY Hydrophobic Acrylic[1]	
Overall diameter	-10D to 24.5D: 11.00mm 25D to 35D: 10.75mm	
Optic diameter	-10D to 24.5D: 6.00mm 25D to 35D: 5.75mm	
Optic	Biconvex Aspheric Monofocal	
Haptic design	MICRO (closed loop quadripode) & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	Medicel Accuject 1.8 up to 24.5D Medicel Accuject 2.0/2.1/2.2 up to 35D	
Spherical power[4]	-10D to +9D (1D steps) +10D to +30D (0.5D steps) +31D to +35D (1D steps)	
Suggested A constant[2]		**Interferometry**
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
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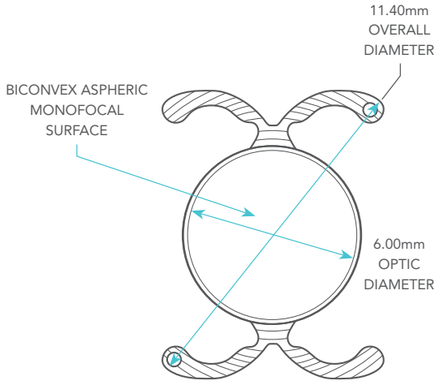

Monofocal Hydrophobic

PODEYE

MONOFOCAL OPTIC

GFY

Model	PODEYE	
Material	GFY Hydrophobic Acrylic[1]	
Overall diameter	11.40mm	
Optic diameter	6.00mm	
Optic	Biconvex Aspheric Monofocal	
Haptic design	POD (Double-C-loop) haptic design & Posterior Angulated Haptic	
Filtration	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	Medicel Accuject 2.0 up to 24.5D Medicel Accuject 2.1/2.2 up to 35D	
Spherical power[4]	+10D to +30D (0.5D steps) 0D to +9D & +31D to +35D (1D steps)	
Suggested A constant[2]		**Interferometry**
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis[3]: a0; a1; a2	1.70; 0.4; 0.1

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Toric Calculator
www.physioltoric.eu

Online **Toric Calculator** with Abulafia-Koch regression formula

How to achieve the most accurate correction for your astigmatic patients?

Our goal is to assist surgeons with precise and reliable IOL calculations. The new calculation method informs physicians about the appropriate toric IOL model and as such improves toric outcomes in astigmastic patients.

What are the new features?

1. Abulafia-Koch regression Formula, which reportedly theoretically accounts for posterior corneal astigmatism. This calculation method uses the standard keratometry measurements (anterior K values) and estimates the total corneal astigmatism based on the Abulafia-Koch regression Formula to improve the prediction of postoperative astigmatic outcome. Calculation using the Standard K method is still possible.
2. HELP-button at each bloc that will help you understand and fill in each parameter.
3. Predictive patient-specific effective lens position (ELP)

The calculator still offers the possibility to use the Standard K calculation method as with the previous version.

THE FUTURE IN FOCUS

IOL PORTFOLIO

Intraocular Solutions Overview

Contact Information:
www.bvimedical.com/customer-support/

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bvimedical.com

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