

## SINGLE-USE PRODUCTS



**RUMEX** best-selling instruments are now available in a single-use edition.

Doctors around the world choose to perform the surgeries using RUMEX single-use instruments because they are:

**SAFE.** Instruments are supplied sterile in a protective case and ready for use;

RELIABLE. High-quality stainless steel and heat-resistant plastics are used in production;

**COST-EFFECTIVE.** No additional expenses on sterilizing equipment, repairs and storage space needed; considerably reduced price due to the composition of materials.

The range of RUMEX single-use instruments is designed to assist surgeons in various procedures on both anterior and posterior segments of the eye. The most commonly used items are available from stock.

SAFE. RELIABLE. COST-EFFECTIVE.





#### **CONTENTS**

IOLs	4
HYDROPHOBIC	4
HYDROPHILIC	5
DISPOSABLE IOL INJECTOR&CARTRIDGES	5
OVDs	6
DISPERSIVE	6
COHESIVE	7
DISPOSABLE KNIVES	8
DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT	10
PVA SPEARS	10
SPECULUMS	10
IRIS RETRACTORS	10
FORCEPS	11
SCISSORS	11
MANIPULATORS	12
DISPOSABLE CANNULAS FOR ANTERIOR SEGMENT	13
DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT	16
STAINLESS STEEL FORCEPS AND SCISSORS	16
SCISSORS AND FORCEPS WITH PLASTIC HANDLE	17
DISPOSABLE DIAMOND DUSTED ILM ELEVATORS	18
DISPOSABLE BACKFLUSH INSTRUMENTS	18
SILICONE OIL	19
SILICONE OIL CANNULAS	19
DISPOSABLE TROCAR SYSTEMS	20
DISPOSABLE VITREORETINAL CANNULAS	21
DISPOSABLE REPLACEMENT RESERVOIRS FOR BACKFLUSH HANDLE	21

#### **HYDROPHOBIC IOLs**

#### AquaFree Yellow Aspheric Hydrophobic\*



Min. incision size	2.20 mm
Power range	0 +30 D
Overall diameter	13 mm
Optic diameter	6.0 mm
Self-unfolding	Yes
Water content	< 0.50%
Angulation	0°
Material	Natural Yellow Hydrophobic Acrylic
Refractive index	1.50
A-constant	118
UV Filter	Yes
Shelf Life	5 years



#### **Aqua-Free Yellow Aspheric Preloaded\***

AquaFree Yellow IOL is also available preloaded in the Accuject™ injection system. Push-type injector allows performing implantation within less than 5 seconds.



#### **Advantages**

- Increased contrast sensitivity
- Easy to inject, excellent folding and unfolding ability
- Not tacky lens does not stick to itself or instruments
- No spherical aberrations





Minimized glare and unwanted images

#### **HYDROPHILIC IOLs**

	Hydro-Sense Aspheric*	Hydro-4 Aspheric*	Hydro-Sense Aspheric Yellow*
Min. incision size	2.20 mm	1.80 mm - suitable for MICS	2.20 mm
Power range	-5 +38 D	-5 +38 D	-5 +38 D
Overall diameter	12.5 mm	11 mm	12.5 mm
Optic diameter	6.0 mm	6.0 mm	6.0 mm
Self unfolding	Yes	Yes	Yes
Water content	23.5 – 27.5 %	23.5 – 27.5 %	23.5 – 27.5 %
Angulation	5°	5°	5°
Material	Hydrophilic Acrylic	Hydrophilic Acrylic	Natural Yellow Hydrophilic Acrylic
Refractive index	1.46	1.46	1.46
A-constant	118.7	118.7	118.7
UV Filter	Yes	Yes	Yes
Shelf Life	5 years	5 years	5 years







#### **DISPOSABLE IOL INJECTOR AND CARTRIDGES**

Medicel Viscojet ™ Eco is an injection system with unbeatable quality and performance in its price segment.

Single-use Viscojet ™ Eco IOL injection system

VE2200\*

Incision sizes range from 2.1 mm to 2.8 mm depending on the operating technique used

• For hydrophilic and hydrophobic 1-piece lenses • Complete control of every step of lens injection • Soft-tip technology

Single-use cartidge\*\*

Used with RUMEX reusable IOL Injector 16-2853

CAT-22 for 2.2 mm incision

CAT-24 for 2.4 mm incision



#### **DISPERSIVE OVDs**

### **MOST** POPULAR

## **SUPREME\***Ophthalmic Viscosurgical Device

Supreme is a dispersive viscoelastic solution of low molecular weight, highly purified grade of hydroxypropyl methylcellulose (HPMC) 2%, clear, isotonic, sterile, non-inflammatory and non-pyrogenic in nature. It is used for intraocular injection during anterior segment surgery.

#### **Physico-chemical properties**

Туре	Dispersive
Material	2% HPMC
Molecular weight	86 000 Da
Viscosity	3 000-4 000 cSt
рН	6.0–7.8
Osmolality	250-350 mOsmol/kg
Volume	2 ml
Shelf Life	3 years

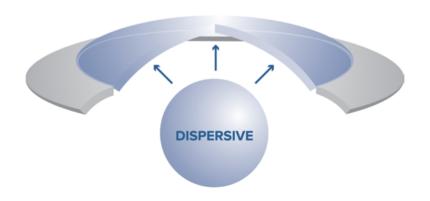
#### **Advantages**

- highly dispersive
- the best endothelial protection
- easy removal
- · completely transparent
- · no refrigeration necessary
- easy transportation and storage (2–35 °C)

#### **Dispersive Solution**

Supreme is used to:

- coat ocular structures during cataract surgery: in the initial part, during capsulorhexis and phacoemulsification, and during ultrasound
- protect corneal endothelium in an eye where endothelium pathology is suspected





#### **COHESIVE OVDs**

#### SMARTVISC / SMARTVISC PLUS\* Ophthalmic Viscosurgical Device

SmartVisc and SmartVisc Plus are cohesive viscoelastic solutions of high molecular weight used for intraocular injection during anterior segment surgery of the eye.

#### **Physico-chemical properties**

	SmartVisc		SmartVisc PLUS	
Composition	Sodium Hyaluronate 1.6 %		Sodium Hyaluronate 3.0 %	
Molecular Weight	1.2-2.0 m Da		1.0-1.8 m Da	
Viscosity	approx. 80 000 mPas		approx. 400 000 mPas	
Osmolality	270-400 mOsmol/kg			
Storage	2–25		5°C	
рН	6.8–7.4			
Volume		1.00 m	nl	
Shelf Life		3 ½ y	ears	

#### **Advantages**

- no refrigeration necessary
- good maintenance of anterior chamber depth and the capsular bag
- · controlled capsulorhexis
- easy implantation
- better adhesiveness on the corneal endothelium during phacoemulsification
- favorable environment to ophthalmic surgery
- excellent protection against mechanical damages
- · steam sterilized

#### **Cohesive Solution**

SmartVisc is used to:

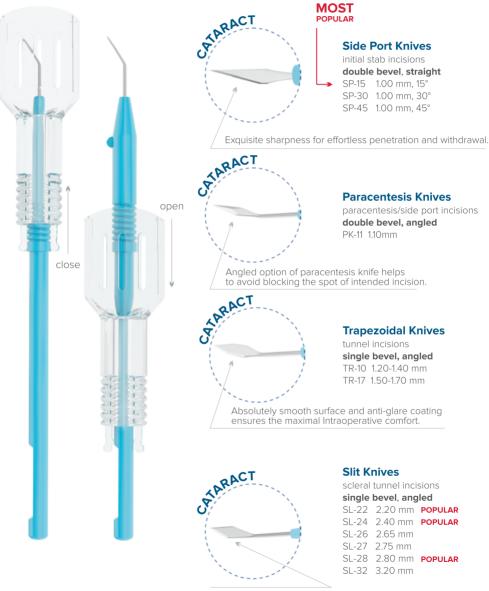
- · maintain space and pressure in the eye
- keep the empty capsular bag open for IOL insertion
- support the anterior chamber and flatten the anterior capsule
- · dilate small pupils
- · dissect areas of adhesion



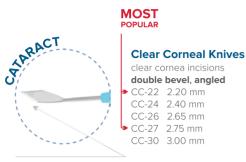
## HIGH PRECISION DISPOSABLE KNIVES WITH SAFETY SYSTEM\*

688

All knives are equipped with safety function lids



#### **DISPOSABLE KNIVES**



Ultra-thin profile reduces penetration force and contributes to re-epithelization.



## Clear Corneal Knives with Depth Indicators

6 #g

tunnel incisions

double bevel, angled

CCD-22 2.20 mm CCD-24 2.40 mm

CCD-26 2.65 mm

CCD-27 2.75 mm POPULAR

1.50 and 1.75 mm depth indicators of CCD-22 and 1.50, 1.75, 2.00 mm of CCD-24, CCD-26, CCD-27 ensure controlled diving.



#### MOST POPULAR

#### **Crescent Knives**

lamellar dissections/flap formation single bevel, angled

Single bevel, angled CR-20 2.00 mm

Facet-free blade for smooth flap formation.

# ORETINAL

#### **MOST**POPULAR

#### **MVR** Knives

posterior segment penetration/ side port incisions

#### multifacet

VRS-19 19 Ga, straight

VRS-20 20 Ga, straight

VRS-23 23 Ga, straight 

VRA-19 19 Ga, angled

VRA-20 20 Ga, angled

VRA-23 23 Ga, angled

Promotes safe and easy sclerotomy for vitreoretinal procedures.

POPULAR



#### **Pre-Set Knives**

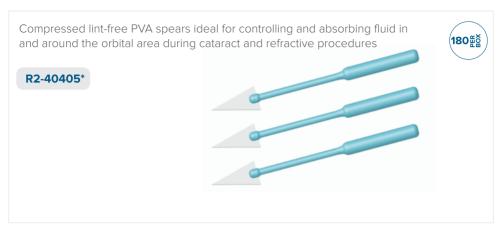
groove making/limbal relaxing incisions **multifacet** PD-60 600µm depth

Pre-set style blade allows for fixed cutting depth of 600 microns and clear view of patient's cornea.

Other sizes are available upon request

#### **DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT**

#### **PVA SPEARS**



#### **SPECULUMS**



#### **IRIS RETRACTORS**

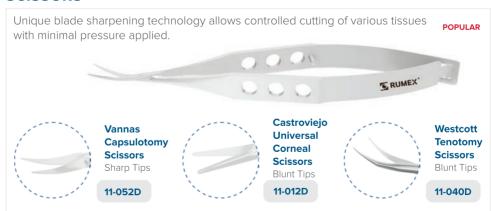


#### **DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT**

#### **FORCEPS**

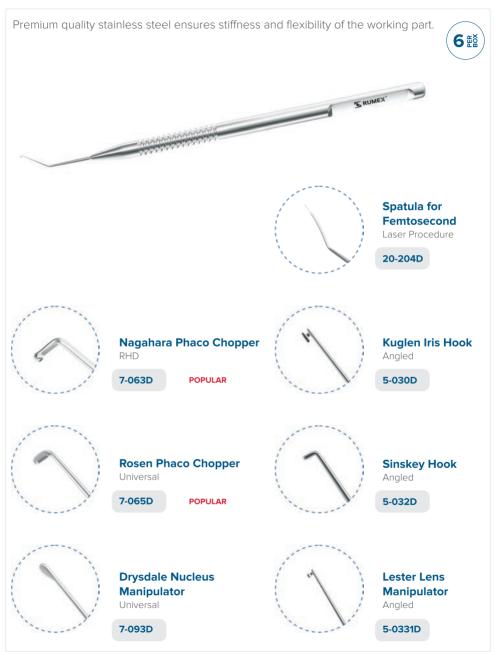


#### **SCISSORS**



#### **DISPOSABLE INSTRUMENTS FOR ANTERIOR SEGMENT**

#### **MANIPULATORS**

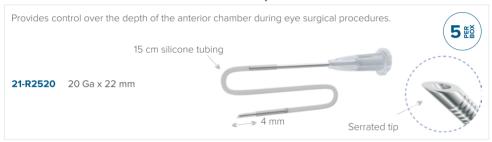


#### **DISPOSABLE CANNULAS ANTERIOR SEGMENT\***

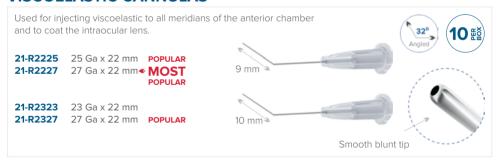
#### **ANTERIOR CHAMBER CANNULAS, RYCROFT**



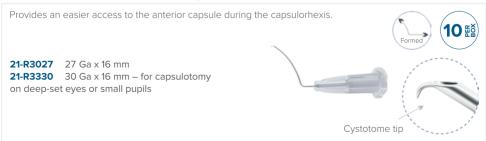
#### **ANTERIOR CHAMBER MAINTAINER, LEWICKY**



#### **VISCOELASTIC CANNULAS**

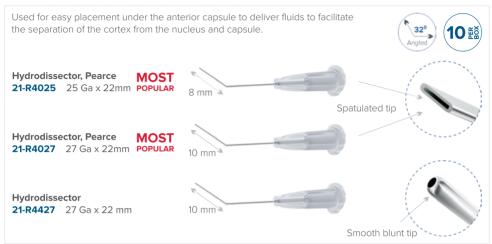


#### **IRRIGATING CYSTOTOMES, PEARCE**



#### **DISPOSABLE CANNULAS ANTERIOR SEGMENT**

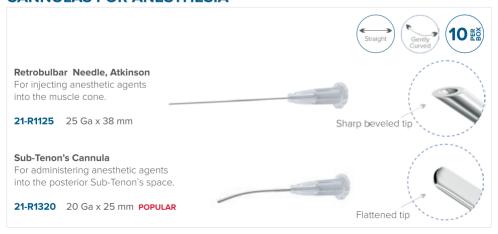
#### **HYDRODISSECTION CANNULAS**



#### **CORTEX EXTRACTOR, SIMCOE**

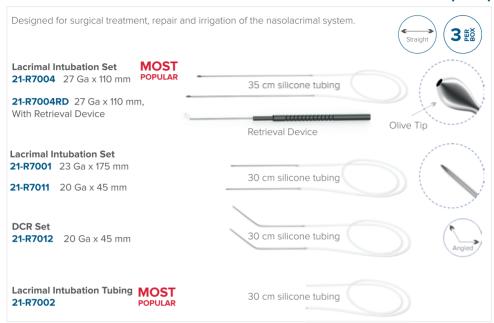


#### **CANNULAS FOR ANESTHESIA**



#### **DISPOSABLE CANNULAS ANTERIOR SEGMENT\***

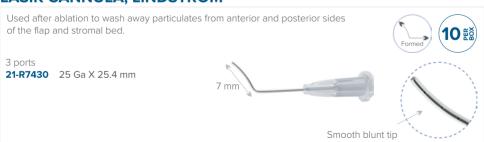
#### LACRIMAL INTUBATION AND DACRYOCYSTORHINOSTOMY (DCR)



#### LACRIMAL CANNULA



#### LASIK CANNULA, LINDSTROM



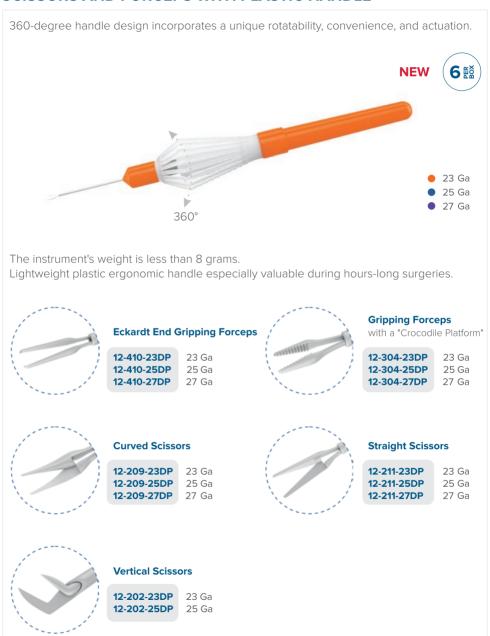
#### **DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT**

#### STAINLESS STEEL FORCEPS AND SCISSORS\*

All stainless steel instruments are manufactured as an integral tool with an intact inner spring mechanism that provides for precise performance and instant tactile control. 6 #g E RUMEX **Eckardt End-Gripping Forceps End-Grasping Forceps** 12-410-23D 23 Ga POPULAR 12-420-23D 23 Ga 12-410-25D 25 Ga 12-420-25D 25 Ga **Gripping Forceps Gripping Forceps** with a "crocodile platform" 12-301-23D 23 Ga 12-304-23D 23 Ga 12-301-25D 25 Ga 12-304-25D 25 Ga **Curved Scissors Pick Forceps** 12-325-23D 23 Ga 12-209-23D 23 Ga 12-325-25D 25 Ga 12-209-25D 25 Ga

#### **DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT**

#### SCISSORS AND FORCEPS WITH PLASTIC HANDLE\*



#### **DISPOSABLE INSTRUMENTS FOR POSTERIOR SEGMENT**









Diamond dusted soft silicone tip provides an extreme grip.

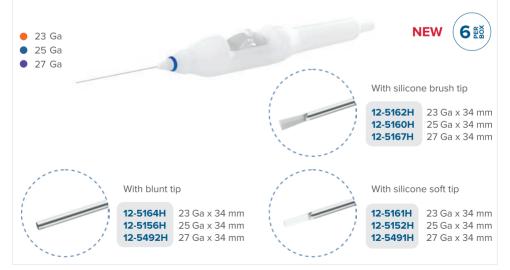
Retractable version for easy insertion through the trocar valves.

#### **DISPOSABLE BACKFLUSH INSTRUMENTS\***

The instruments combine the ergonomic handle with soft, brush or blunt tip cannulas into one instrument.

The set comes with two connectors for active and passive aspiration.

Used for intraocular fluids and debris aspiration during vitreoretinal surgery.



#### SILICONE OIL

## SMARTSIL 1000/5000\* Purified Silicone Oil for Vitreoretinal Surgery

SmartSil 1000/5000 is used for prolonged tamponade after surgical treatment for severe retinal detachment.

- Maximum interfacial tension and minimum interactions between tissues, cells, and endo-tamponades media
- Optimal combination of specific gravity, refractive index and surface tension
- The choice of viscosity for a balance between easy injection and a stable temporary tamponade



#### **Physico-chemical properties**

Interfacial tension	≥ 40 mNm <sup>-1</sup> at 37°C
Density	0.97
Viscosity	1000/5000 cSt
Refractive index	1.40
Volatility	< 1%
Polydispersity	< 2.8
Volume of oil	10 ml
Syringe	20 ml
Shelf life	3 years

\*To be used with RUMEX Silicone Oil Infusion Systems 12-RTUB-1 (2,3 or 4)

#### SILICONE OIL CANNULAS

#### Viscous Fluid Injection Cannula\*\*

Allows injection of viscous fluids such as silicone oil through 23 Ga or 25 Ga trocar cannula

**12-5248** 23 Ga x 4 mm **12-5258** 25 Ga x 4 mm **NEW** 





<sup>\*</sup>Not available in the US

#### **DISPOSABLE TROCAR SYSTEMS**

#### **One Step Trocar System\***

Disposable Trocar Systems with closure valves

#### Package includes:

- Trocar knife with preloaded trocar cannula 3 pcs
- Self-sealing trocar cannula (preloaded) 3 pcs
- Universal infusion line 1 pc

**12-5229** 23 Ga • **12-5244** 25 Ga •

12-5227 27 Ga • NEW





#### **Trocar Knife**

Spear point (MVR style) blade helps create a smooth incision and provides for low pressure insertion and superior sealing

#### Trocar Cannulas

Stainless steel cannulas are equipped with the silicone valves, that eliminate the need for plugs and promote easy instrument insertion



#### **Trocar Cannula Inserter**

the proximal end of the plastic handle (opposite to the knife) can be used as a caliper (2 dimensions, 3.00 and 4.00 mm) and a scleral marker

#### **Universal Infusion Line for BSS**

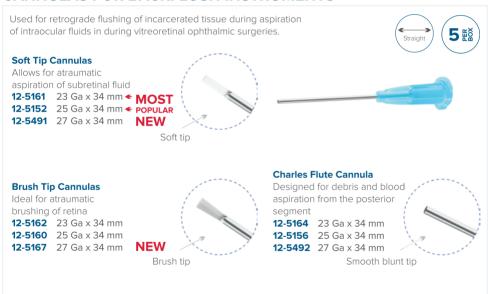


#### **DISPOSABLE VITREORETINAL CANNULAS\***

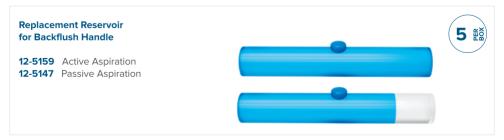
#### **DUAL BORE CANNULA**



#### **CANNULAS FOR BACKFLUSH INSTRUMENTS**



#### DISPOSABLE REPLACEMENT RESERVOIRS FOR BACKFLUSH HANDLE



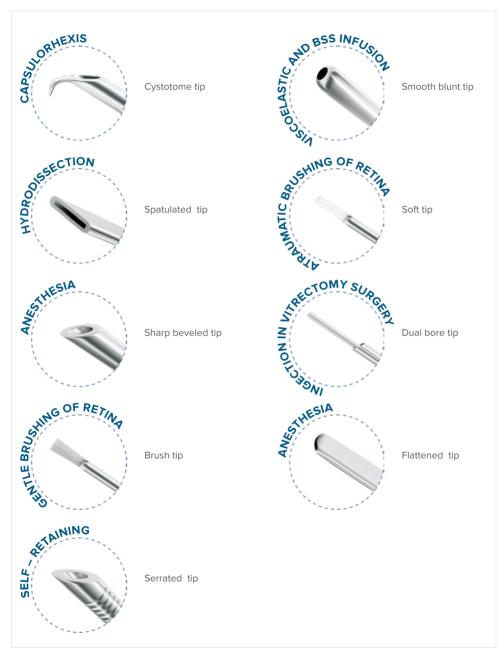
#### **DISPOSABLE CANNULAS GAUGE CONVERSION CHART**

A hub of each cannula has a different color according to its Gauge. Please see the cannula gauge conversion chart below to learn more.

Course	Inner Diameter		Outer Diameter		Callana
Gauge	In	mm	In	mm	Colour
19G	.028	.70	.043	1.10	
20G	.024	.60	.036	.90	
21G	.020	.51	.032	.80	
22G	.016	.41	.028	.70	
23G	.013	.33	.025	.60	
24G	.012	.30	.022	.55	
25G	.010	.25	.020	.50	
26G	.010	.25	.018	.45	
27G	.008	.20	.016	.40	
30G	.006	.15	.012	.30	

#### **DISPOSABLE CANNULAS**

#### **CANNULA TIPS BY PROCEDURE**



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