EC REP EU Representative:
Rudolf Riester GmbH
Bruckstraße 31
72417 Jungingen, Germany
Email: Info@riester.de
Phone: +49 74 77 / 92 70-0
Fax: +49 74 77 / 92 70-0

### Volk Optical Non-Contact Slit Lamp Lenses

## ENGLISH: INSTRUCTIONS FOR USE

The Volk Optical Non-Contact Slip Lamp Lenses are intended for visualization during diagnosis and laser therapy of the human retina (fundus) using a slit lamp

### SPECIFICATIONS

Product	Magnification	Field of View	Working Distance	Laser Spot Magnification	Diameter	Anti-Reflective Laser Coating
60D	1.15	68° - 81°	13 mm	0.87	31 mm	BBAR
Super 66®	1.00	80° - 96°	11 mm	1.00	31 mm	BBAR
78D	0.93	81° - 97°	8 mm	1.08	31 mm	BBAR
90D	0.76	74° - 89°	7 mm	1.32	22 mm	BBAR
Super Field NC®	0.76	95° - 116°	7 mm	1.30	27 mm	BBAR
Super VitreoFundus®	0.57	103° - 124°	4 mm	1.75	23 mm	BBAR
Super Pupil XL®	0.45	103° -124°	4 mm	2.20	19 mm	BBAR
Digital 1.0x Imaging Lens	1.00	60° - 72°	12 mm	1.00	31 mm	UHE
Digital Wide Field	0.72	103° - 124°	4.5 mm	1.39	30 mm	UHE
Digital High Mag	1.30	57° - 70°	13 mm	0.77	27 mm	UHE

### INDICATIONS FOR USE

- To be used by a licensed physician in a method consistent with other ophthalmoscopic non-contact slit lamp lenses.
- To be used by a licensed physician in a method consistent with other ophthalmoscopic non-contact slit lamp lenses. Using the parameters in the Specifications table above, carefully position the lens to the appropriate working distance from the cornea. The 600, 780, and 900 lenses can be held with either surface facing the patient. The Super VitreoFundus®, Super Field N0®, Sup 3

### REPROCESSING

# MARNING:

- A THOROUGH, MANUAL CLEANING PROCESS IS RECOMMENDED
- CORROSIVE CLEANING AGENTS (I.E. ACIDS, ALKALINES, ETC) ARE NOT RECOMMENDED. DETERGENT CLEANING AGENTS WITH NEUTRAL PH ARE RECOMMENDED.

### REPROCESSING LIMITATIONS:

Repeated cleaning, disinfection, and sterilization have minimal effect on Volk Non-Contact BIO Lenses when processed according to instructions. End of the product's life cycle is normally determined by wear and damage due to use.

- PREPARATION AT THE POINT OF USE: New or used, contaminated lenses must be cleaned.
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  Body fluids should not be allowed to dry on the device prior to cleaning. Remove excess body fluids.

  Universal precautions for handling contaminated materials should be observed.

  Instruments should be cleaned as soon as possible after use to minimize the drying of contaminants to the surf
- 5 Devices should always be handled in an appropriate method to ensure contamination is not introduced to a recently cleaned, disinfected, and/or

The following cleaning, disinfection, and sterilization instructions are aided by not allowing contamination to dry on the lens surface. When possible place the lenses in water or cover them with a damp cloth.

### CLEANING, DISINFECTION, STERILIZATION

### CLEANING:

Select the des	ned method of cleaning.				
Method A:	Clean with a mild detergent and a clean soft cotton cloth or swab. Clean lens surface in a clockwise direction to help prevent loosening of the retaining ring within the housing. Do not use detergents containing Emollients (moisturizers).				
Method B:	Clean the glass element with Yolk Precision Optical Lens Cleaner (POLC) or a Yolk LensPen®. Clean lens surface in a clockwise direction to help prevent loosening of the retaining ring within the housing.  CAUTION: Do not use Yolk's POLC, or the Yolk LensPen® on surfaces that contact the eye.				
Method C:	<ol> <li>Prepare fresh enzymatic cleaner (e.g. Enzol) solution – 2 ounces per gallon using warm (~30 - 43°C) tap water.</li> <li>Soak each device in solution for 20 minutes.</li> <li>After soaking, brush knutred surface on device ring with a soft-bristle brush and wipe lens portion with a soft cold but until all traces of cleaner and so all or errowed. Clean lens surface in a clockwise direction. Pay special attention to all crevious and other hard-to-reach areas. NOTE: Do not brush lens portion to avoid scratching, use soft cloth.</li> <li>Throughly firms devices in a room temperature to water bath (not under running water) until all visible cleaner has been removed.</li> <li>Timsfer the device(s) to a freshly prepared enzymatic solution (per step 1 above) and sonicate for 20 minutes.</li> <li>After sonication, throughly rinse device(s) in a room temperature tap water bath (not under running water) until all visible cleaner has been removed.</li> <li>I inscret pack devices for termanismin definits. If any is observed repeat the cleaning procedure with freshly represented dening solutions.</li> </ol>				

## DISINFECTION:

- Follow the **Method A** or **Method C** cleaning instruction Select **one** of the solution types from the table below:

DISINFECTANT	CONCENTRATION	MIN SOAK TIME	MAX SOAK TIME
Glutaraldehyde	2% aqueous solution	25 minutes	N/A
Sodium hypochlorite (5000 ppm NaClO)	9-parts water:1-part household bleach (5.25% NaCIO)	10 minutes	25 minutes
Cidex OPA	See Manufacturer's Instructions	12 minutes	N/A

- 3.
- Position the lens on its side, and then immerse the device completely in the selected disinfectant solution for the minimum soak time listed above (minimum of 20°C). Ensure to fill all lumens, hard-to-reach areas, and eliminate air pockets.

  Rinse throughly in a room temperature water bath (minimum of 20°C). Rinse by immersing device completely for a minimum of one minute. Manually flush all lumens or other hard-to-reach areas with water. Agitate device under water, bring above water level, then re-immerse. Repeat rinse procedure two additional times using fresh water.

  Dry with a soft, lint-free cotton cloth. 5

# CAUTION:

ENSURE THE DEVICE IS COMPLETELY SUBMERGED IN THE DISINTECTANT SOLUTION FOR THE ENTIRITY OF THE RECOMMENDED OR DESIRED SOAK TIME. DO NOT ALLOW THE DEVICE TO BECOME UNSUBMERGED FROM THE DISINFECTANT SOLUTION.

EXTENDED EXPOSURE AND/OR EXPOSURE TO HIGHER CONCENTRATIONS OF SODIUM HYPOCHLORITE WILL RESULT IN ACCELERATED DEGRADATION OF THE PRODUCT

# STERILIZATION:

- Follow the Method C cleaning instructions. Ethylene oxide sterilization is the preferred method of sterilization. Sterilize using a 2 hour cycle with a recommended temperature of 130°F (not exceeding 130°F) and a concentration of 600 mg/L. Do not sterilize lenses within standard (black leatherette) lens cases as they are not meant for use in sterilization systems.

AUTION: TO AVOID PRODUCT DAMAGE. NEVER AUTOCLAVE OR BOIL LENSES OR ADAPTERS.

ile instruments should be stored in an area that provides protection from loss of sterility.