

The well established and ever popular lathe cut, bi-curve **ULTRAVISION CD** lens is manufactured from **non-ionic** Hema which is produced in **UltraVision's** own laboratories thus enabling **UltraVision** to maintain maximum control of both material and lens characteristics of this lens.

The **ULTRAVISION CD** lens range comprises one of **UltraVision's** "stock lens" range of lathe cut lenses, of which a large stock of standard parameters and powers is maintained to virtually ensure the ability to fulfil all orders immediately.

LENS SPECIFICATIONS

| | |
|---------------------------|---|
| Diameter | 14.0mm |
| BOZR | 8.3, 8.5, 8.7 & 8.9mm |
| FOZD (-3.00D) | 9.5mm |
| Centre thick. (-3.00D) | 0.07mm |
| Power range (stock) | ±10.00D in 0.25D steps ±10.50D to ±20.00D in 0.50D steps |
| Power range (Rx) | Over ±20.00D |

MATERIAL SPECIFICATIONS

| | |
|--|---------------------------------|
| Material | Hydroxyethyl Methacrylate(Hema) |
| Water content | 38.6% |
| O ² permeability 21°C Fatt Units | 7x10 ⁻¹¹ |
| O ² permeability 35°C Fatt Units | 13x10 ⁻¹¹ |
| Linear expansion | 1.20 (nominal) |
| Radial expansion | 1.20 (nominal) |
| Refractive index | 1.43 hydrated |

Indicated Fitting Table

The following guide should be used to select the initial fitting **ULTRAVISION CD** lens.

| | | | |
|--------------------|------------|--------------------|------------|
| Mean K < 7.30mm | BOZR 8.3mm | Mean K 7.70-8.10mm | BOZR 8.7mm |
| Mean K 7.30-7.70mm | BOZR 8.5mm | Mean K > 8.10mm | BOZR 8.9mm |

Cleaning & Disinfecting

UltraVision CD lenses are compatible with all current chemical, oxidative and thermal systems. Care should be taken in the application of the manufacturers' minimum recommended exposure time to chemical systems where lenses have been tinted.

Hi-tints

ULTRAVISION CD lenses are also available (to prescription) in **Hi-tint** form with enhancing transparent colours. A trial set of five low power **UltraVision CD** lenses of mixed BOZR's colours and densities is available for diagnostic and demonstration purposes. This trial set has iris diameters of 11.5mm and pupil diameters of 4.0mm.

Tint range

Aqua, Smokey Brown, Emerald, Sapphire Blue and Violet.

Iris diameters

10.0mm to 12.5mm in 0.50mm steps

Densities

5% or 10%

Pupil diameters

2.0mm and 3.0mm to 6.0mm
in 0.5mm steps

Configuration

Design C or B (see Tinting section)