

HYDR³ WAVE

**SILICONE
HYDROGEL**

3-MONTHLY LENSES

3-monthly contact lens giving optimum performance and comfort in a wide range of prescriptions

3-Month Modality	The best of both worlds; the patient has a healthy replacement regime in powers to suit all wearers
Healthy & Comfortable	Made from Silicone Hydrogel material with a DK of 60 and very high water retention properties, providing a more healthy and comfortable lens for the eye, even in dry conditions
Improved Material	Now manufactured with blue handling tint and UV protection
Excellent Vision	Designed to provide enhanced visual acuity and comfort, incorporating UltraVision's award-winning Wavefront and SAM [®] technologies
Extensive Power Range	Available in Sphere, Toric, Multifocal Sphere and Multifocal Toric form, with Spheres to +/- 30.00DS, Cyls to -11.00DC and Add to +3.00
New Toric Design	HydroWave [®] is now available with the option of a front surface toric, designed to enhance vision in complex cases

Material	Definitive™ Silicone Hydrogel (Filcon V 3) 74% water content *
Modulus	0.35 MPa (Typical of mid water content materials)
Base Curve	7.00mm to 9.80mm (0.10 steps)
Diameter	12.50mm to 16.50mm (0.10 steps) **
Lens Design	Wavefront and SAM [®] aberration control
Power Range	-30.00DS to +30.00DS (0.25 steps) Cyl -0.50DC to -11.00DC (0.25 steps) Axis 1° to 180° (1° steps) Add up to +3.00DS Prism ballast with location mark at prism base
Handling Tint	Blue
UV Inhibitor	Yes
DK	60 x 10 ⁻¹¹ (cm ² /sec) [ml O ₂ /(ml x mmHg)]
Wear Modality	Replacement 3-Monthly for daily wear only
Pack Size	Single lens, 2-pack

Now supplied with blue handling tint and UV protection



* also available in Methafilcon 55 (Filcon IV 1 55%)

** diameter available up to 19.00mm for Spheres and Multifocal Spheres

Definitive™ is a trademark of Contamac Ltd

Fitting Guide for HydroWave®

Initial Requirements

We advise empirical fitting.

The practitioner to provide the following:

- HVID (Horizontal Visible Iris Diameter)
- Keratometry readings
- Spectacle prescription
- BVD (Back Vertex Distance of Spec Rx)

Also for Multifocal lenses only:

- Dominant eye
- Pupil diameter (in normal light)
- Spectacle Near Addition

Fitting Assessment

Fit as per a normal soft lens. Allow 5 - 10 minutes settling time. For a good fit the practitioner should observe:

- Limbal coverage 1.0mm - 1.5mm
- Vertical movement on blink 0.5mm - 1.0mm
- PUT (Push Up Test) shows fast, smooth recentration
- No scleral blanching or indentation
- Keratometry images should be stable with the lens in situ
- The lenses should be comfortable

Flat Fit Characteristics

- Astigmatism will be induced in the over-refraction
- The over-refraction will indicate a need for extra plus for reading. Re-centre the lens manually to confirm this
- If the lens is of toric form, it will rotate off axis

Action recommended:

Steepen the lens by increasing diameter a minimum of 0.50mm, or by decreasing the base curve a minimum of 0.20mm

Steep Fit Characteristics

- The vision will be inconsistent, clearing after blink
- If the lens is of toric form, the lens will rotate with a slow, progressive movement

Action recommended:

Flatten the lens by decreasing diameter a minimum of 0.50mm, or by increasing the base curve a minimum of 0.20mm

Cyl Axis Mislocation

First ensure the fit is good. If the cyl axis mislocates, even when the fit is good, the following solutions are available:

- Small amounts of mislocation can be rectified by changing the cyl axis
- Large amounts of mislocation can be rectified by increased ballast and / or diameter changes

Action recommended:

We advise that UltraVision makes all the adjustments to lenses. Send details of the lens used, the fit assessment and the axis mislocation to UltraVision Customer Services

Early Presbyopes

The Wavefront optics reduce blur and can offer the early presbyope improved near vision in one of the following 3 ways:

- 1 **No addition required.** In this case assess near vision and distance vision and if satisfactory no further change to BVP is needed
- 2 **Needs small addition, and can benefit from Wavefront optics to reduce distance blur.** In this case add +0.50DS to right and left BVP
- 3 **Needs a small addition and is unable to reduce blur for distance, therefore use reduced blur circle from wavefront optics to allow enhanced monovision.** In this case, add +1.00DS to non-dominant eye

Multifocal Fit Assessment

Assess the fit in the normal way (as above). Assess the distance vision and the near vision binocularly, checking for visual acuity (VA) at distance and at near. Evaluate general optical comfort levels. If the results are good then further assessment is advised at the first aftercare appointment being at least 7 - 10 days later

At the first aftercare visit, check the fit in the usual way. If the fit is good, check the vision binocularly and assess any required adjustments to the BVP for distance and near taking into account the following points:

- As with all progressive multifocal corrections, there is an adaptation period of at least one week of regular wear
- Minor with-the-rule astigmatic errors may be ignored if the patient copes without this correction in their spectacle Rx or single - vision soft lenses
- Should unsatisfactory vision result from a lens, an over-refraction should be performed*, first for the distance, then independently for the near

* The use of pinholes or similar techniques in over refraction of the HydroWave® multifocal is ineffective as an aid to evaluating visual results

Technical Support

We have a team of optometrists and contact lens practitioners specialising in different areas and are available to provide help and support. If you have any professional or technical enquiries please contact our Customer Services Team.



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INNOVATION IN PRACTICE

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