

Filters

A reduced vision also means a reduced contrast sensibility. UV light and even visible blue parts of the light have negative effects for the visual acuity especially in combination with various eye diseases. Our range of blue-blocking medical filters blocks disturbing parts of the light for a better visual contrast, sharpness and comfort.

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Standard tinted lenses as for example used for normal sunglasses dim the complete colour spectra of the light by a certain percentage. Contrary to this, our ML FILTER are medical blue blockers which block only specific parts of the colour spectra of the light below a defined wave length, whereas almost all the light above that defined wave length is passing the filter. An exception made for use without medical reasons is the C1 filter. Light with a wave length between approximately 400nm and 450nm is blocked only partly whereas light with a shorter wave length is blocked and light with a longer wave length is passing the C1 filter.

The parts of the colour spectra of the light with a short wave length, such as UV light, have a higher energy than those with a long wave length. This high energy scatters the light strongly especially in case of any clouding in the eye, thus resulting in a reduced contrast and even glare. A similar effect can be observed in the case of RP and numerous other eye diseases.

ML FILTER block only those disturbing parts of the light for a better visual contrast, sharpness and comfort.

ML FILTER are also available in combination with a light grey polarisation 1 absorbing about 65% or a dark grey polarisation 3 absorbing about 85% of the complete colour spectra of the light in addition to the complete absorption of the light below the specified wave length. Furthermore the polarisation is absorbing horizontal reflective glare such as glare from the sea. This makes polarized ML FILTER ideal for outdoor use also for normal sighted people.

Alternatively ML FILTER are also available with a transition layer which is changing a brown tinting between about 10% and up to about 75% absorption depending on the exposure to UV light and the air temperature. The function of the ML FILTER remains unchanged.

There are available plano lenses and ready-to-use clip-on flips without or with rim as well as

ready made frames with ML FILTER or side protection frames to be used with ML FILTER.

For testing purposes there are not only available various sets of ML FILTER flips without or with rim as well as the flirp test consisting of turnable test holders. There are also available ML FILTER in oculusing in order to combine ML FILTER with other products in a testing frame. An assortment of such ML FILTER in oculusing is available together with other products in the ML Basic Box.

Since a filter often should be combined with another optical aid a large variety of our other products is also available in combination with an integrated ML FILTER.

On request ML FILTER can also be ordered with the following options:

- hardcoating DURA
- multicoating PRIMA+
- brown or grey tinting up to 75% as well as a brown or a grey gradient



PLANO LENSES

Plano lenses

Pol 1

Pol 3

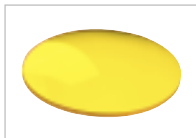
Transition

Set



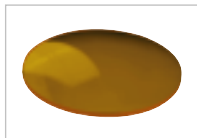
CR 39,
400nm

Ref. M31040



PC with hardcoating,
450nm

Ref. M31245



CR 39,
400nm

Ref. M31140



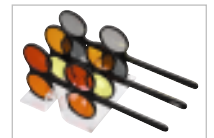
CR 39,
400nm

Ref. M31340



CR 39,
400nm

Ref. M31440



**Flirp test
ML FILTER**

450nm / 511nm,
527nm / 550nm
and Pol1 / Pol3
inclusive stand

Ref. M39920

CR 39,
C1

Ref. M31031

PC with hardcoating,
511nm

Ref. M31251

CR 39,
C1

Ref. M31131

CR 39,
C1

Ref. M31331

CR 39,
C1

Ref. M31431

CR 39,
450nm

Ref. M31045

PC with hardcoating,
527nm

Ref. M31252

CR 39,
450nm

Ref. M31145

CR 39,
450nm

Ref. M31345

CR 39,
450nm

Ref. M31445

CR 39,
500nm

Ref. M31050

PC with hardcoating,
550nm

Ref. M31255

CR 39,
500nm

Ref. M31150

CR 39,
500nm

Ref. M31350

CR 39,
500nm

Ref. M31450

CR 39,
511nm

Ref. M31051

CR 39,
511nm

Ref. M31151

CR 39,
511nm

Ref. M31351

CR 39,
511nm

Ref. M31451

CR 39,
527nm

Ref. M31052

CR 39,
527nm

Ref. M31152

CR 39,
527nm

Ref. M31352

CR 39,
527nm

Ref. M31452

CR 39,
550nm

Ref. M31055

CR 39,
550nm

Ref. M31155

CR 39,
550nm

Ref. M31355

CR 39,
550nm

Ref. M31455

CR 39,
585nm

Ref. M31058

**Flirp test
ML FILTER**

C1 / 500nm

Ref. M39917



FLIPS WITHOUT RIM

Flips without rim

Size 54-14
Height 43

Size 54-14
Height 43

Pol 1
Size 54-14
Height 43

Pol 3
Size 54-14
Height 43

Sets



CR 39,
400nm
Ref. M32040



PC with hardcoating,
450nm
Ref. M32245



CR 39,
400nm
Ref. M32140



CR 39,
400nm
Ref. M32340



Box 10 ML FILTER
M32245, M32145,
M32251, M32151,
M32252, M32152
Ref. M39910

CR 39,
C1
Ref. M32031

PC with hardcoating,
511nm
Ref. M32251

CR 39,
C1
Ref. M32131

CR 39,
C1
Ref. M32331

CR 39,
450nm
Ref. M32045

PC with hardcoating,
527nm
Ref. M32252

CR 39,
450nm
Ref. M32145

CR 39,
450nm
Ref. M32345



Display box
ML FILTER, ML BINO,
ML MONO
for 6 ML FILTER flips
and 6 ML BINO or
ML MONO, without
content
Ref. S93983

CR 39,
500nm
Ref. M32050

PC with hardcoating,
550nm
Ref. M32255

CR 39,
500nm
Ref. M32150

CR 39,
500nm
Ref. M32350

CR 39,
511nm
Ref. M32051

CR 39,
511nm
Ref. M32151

CR 39,
511nm
Ref. M32351

CR 39,
527nm
Ref. M32052

CR 39,
527nm
Ref. M32152

CR 39,
527nm
Ref. M32352

CR 39,
550nm
Ref. M32055

CR 39,
550nm
Ref. M32155

CR 39,
550nm
Ref. M32355

CR 39,
585nm
Ref. M32058



FLIPS WITH RIM

Flips with rim

Size 49-20
Height 37

Pol 1
Size 49-20
Height 37

Pol 3
Size 49-20
Height 37

Transition
Size 49-20
Height 37

Sets



CR 39,
400nm
Ref. M33040



CR 39,
400nm
Ref. M33140



CR 39,
400nm
Ref. M33340



CR 39,
400nm
Ref. M33440A



Box 1 ML FILTER
M33245, M33251,
M33252, M33255,
M33145, M33151
Ref. M39901

CR 39,
C1
Ref. M33031

CR 39,
C1
Ref. M33131

CR 39,
C1
Ref. M33331

CR 39,
C1
Ref. M33431A

Box 2 ML FILTER
M33040, M33245,
M33050, M33251,
M33252, M33255
Ref. M39902

PC with hardcoating,
450nm
Ref. M33245

CR 39,
450nm
Ref. M33145

CR 39,
450nm
Ref. M33345

CR 39,
450nm
Ref. M33445A

Box 3 ML FILTER
M33145, M33151,
M33152, M33345,
M33351, M33352
Ref. M39903

CR 39,
500nm
Ref. M33050

CR 39,
500nm
Ref. M33150

CR 39,
500nm
Ref. M33350

CR 39,
500nm
Ref. M33450A

PC with hardcoating,
511nm
Ref. M33251

CR 39,
511nm
Ref. M33151

CR 39,
511nm
Ref. M33351

CR 39,
511nm
Ref. M33451A

Box 7 ML FILTER
M33040, M33245,
M33251, M33252,
M33255, M33058
Ref. M39907

PC with hardcoating,
527nm
Ref. M33252

CR 39,
527nm
Ref. M33152

CR 39,
527nm
Ref. M33352

CR 39,
527nm
Ref. M33452A

PC with hardcoating,
550nm
Ref. M33255

CR 39,
550nm
Ref. M33155

CR 39,
550nm
Ref. M33355

CR 39,
550nm
Ref. M33455A

CR 39,
585nm
Ref. M33058



MAGNETIC CLIP FRAMES

An easy way to combine permanently used correction spectacles and a filter or a polarization is the use of flips as shown on the catalogue pages 6.04 and 6.05. However, a lot of people have difficulties to clip the flip on the spectacles manually and from the aesthetic point of view this solution often is refused even if the lenses of the flip are edged according to the shape of the spectacles.

Alternatively it is possible to have spectacles with correction lenses with integrated filter or polarization. However, as the filter or the polarization often is not needed permanently but only under certain conditions, there would be needed 2 spectacles, which need to be changed regularly.

A unique solution is offered by the magnetic clip frames from SCHWEIZER in 4 different shapes and 2 different colours. For each frame there are available magnetic clips in the same colour and with a shape designed only for that specific frame. Those clips easily can be fixed only on those frames due to a multi faceted magnetic hinge (patent pending).

This magnetic hinge allows three positions of the clip, downwards to have the frame lenses fully covered, upwards to have the frame lenses completely free or a middle position enabling the user to focus the clip for far distance view and to look through the spectacles without the clip in front for close distance view.

In every of the 3 positions the magnetic contact area is 80 mm² giving always a tight connection between the frame and the clip.

All magnetic clip frames from SCHWEIZER have micro-monoflex spring hinges and mono-block closings. As a standard they are delivered inclusive 2 clips, thereof 1 clip is already equipped with mounted polarized lenses in a colour being suitable for the frame colour. The second clip can be glazed with any other kind of lenses, such as filter lenses or also addition lenses for close distance view. The frame as well as the included 2 clips are delivered in one solid case with magnetic lock which accommodates all 3 parts at once.

Model 1050

Light brown colour,
size 53-18-145

Dark gun colour,
size 53-18-145



frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in brown colour,
case included
Ref. S95050

clip with mounted
polarized lenses
in brown colour
Ref. S95051

clip without lenses
Ref. S95052

frame without clip
Ref. S95053

frame middle part
Ref. S95050-M

right temple
Ref. S95050-R

left temple
Ref. S95050-L



frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in grey colour,
case included
Ref. S95055

clip with mounted
polarized lenses
in grey colour
Ref. S95056

clip without lenses
Ref. S95057

frame without clip
Ref. S95058

frame middle part
Ref. S95055-M

right temple
Ref. S95055-R

left temple
Ref. S95055-L



Model 1060

Light brown colour,
size 56-19-145

Dark gun colour,
size 56-19-145

Model 1070

Light brown colour,
size 52-18-145

Dark gun colour,
size 52-18-145

Model 1080

Light brown colour,
size 53-19-145

Dark gun colour,
size 53-19-145



frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in brown colour,
case included
Ref. S95060

frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in grey colour,
case included
Ref. S95065

frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in brown colour,
case included
Ref. S95070

frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in grey colour,
case included
Ref. S95075

frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in brown colour,
case included
Ref. S95080

frame inclusive 2 clips,
thereof 1 clip with
mounted polarized
lenses in grey colour,
case included
Ref. S95085

clip with mounted
polarized lenses
in brown colour
Ref. S95061

clip with mounted
polarized lenses
in grey colour
Ref. S95066

clip with mounted
polarized lenses
in brown colour
Ref. S95071

clip with mounted
polarized lenses
in grey colour
Ref. S95076

clip with mounted
polarized lenses
in brown colour
Ref. S95081

clip with mounted
polarized lenses
in grey colour
Ref. S95086

clip without lenses
Ref. S95062

clip without lenses
Ref. S95067

clip without lenses
Ref. S95072

clip without lenses
Ref. S95077

clip without lenses
Ref. S95082

clip without lenses
Ref. S95087

frame without clip
Ref. S95063

frame without clip
Ref. S95068

frame without clip
Ref. S95073

frame without clip
Ref. S95078

frame without clip
Ref. S95083

frame without clip
Ref. S95088

frame middle part
Ref. S95060-M

frame middle part
Ref. S95065-M

frame middle part
Ref. S95070-M

frame middle part
Ref. S95075-M

frame middle part
Ref. S95080-M

frame middle part
Ref. S95085-M

right temple
Ref. S95060-R

right temple
Ref. S95065-R

right temple
Ref. S95070-R

right temple
Ref. S95075-R

right temple
Ref. S95080-R

right temple
Ref. S95085-R

left temple
Ref. S95060-L

left temple
Ref. S95065-L

left temple
Ref. S95070-L

left temple
Ref. S95075-L

left temple
Ref. S95080-L

left temple
Ref. S95085-L



FRAME FOR MALES

FRAME FOR FEMALES

"Alex"

Pol 1

Pol 3

"Nelli"

Pol 1

Pol 3



CR 39,
400nm
Ref. M35040



CR 39,
400nm
Ref. M35140A



CR 39,
400nm
Ref. M35340A



CR 39,
400nm
Ref. M36040



CR 39,
400nm
Ref. M36140A



CR 39,
400nm
Ref. M36340A

CR 39,
C1
Ref. M35031

CR 39,
C1
Ref. M35131A

CR 39,
C1
Ref. M35331A

CR 39,
C1
Ref. M36031

CR 39,
C1
Ref. M36131A

CR 39,
C1
Ref. M36331A

PC with hardcoating,
450nm
Ref. M35245

CR 39,
450nm
Ref. M35145A

CR 39,
450nm
Ref. M35345A

PC with hardcoating,
450nm
Ref. M36245

CR 39,
450nm
Ref. M36145A

CR 39,
450nm
Ref. M36345A

CR 39,
500nm
Ref. M35050

CR 39,
500nm
Ref. M35150A

CR 39,
500nm
Ref. M35350A

CR 39,
500nm
Ref. M36050

CR 39,
500nm
Ref. M36150A

CR 39,
500nm
Ref. M36350A

PC with hardcoating,
511nm
Ref. M35251

CR 39,
511nm
Ref. M35151A

CR 39,
511nm
Ref. M35351A

PC with hardcoating,
511nm
Ref. M36251

CR 39,
511nm
Ref. M36151A

CR 39,
511nm
Ref. M36351A

PC with hardcoating,
527nm
Ref. M35252

CR 39,
527nm
Ref. M35152A

CR 39,
527nm
Ref. M35352A

PC with hardcoating,
527nm
Ref. M36252

CR 39,
527nm
Ref. M36152A

CR 39,
527nm
Ref. M36352A

PC with hardcoating,
550nm
Ref. M35255

CR 39,
550nm
Ref. M35155A

CR 39,
550nm
Ref. M35355A

PC with hardcoating,
550nm
Ref. M36255

CR 39,
550nm
Ref. M36155A

CR 39,
550nm
Ref. M36355A

CR 39,
585nm
Ref. M35058

CR 39,
585nm
Ref. M36058



FRAME SUN-ONE

PROTECTION

FILTERS IN OCULUSRING

Frame SUN-ONE
Size 59-19
Height 36

Protection

Case

Filters in oculusring

Pol 1

Pol 3



PC with hardcoating,
450nm
Ref. M34245

PC with hardcoating,
511nm
Ref. M34251

PC with hardcoating,
527nm
Ref. M34252

PC with hardcoating,
550nm
Ref. M34255



side protection frame
in brown colour,
size 50-17
Ref. S93755

side protection frame
in brown colour,
size 52-17
Ref. S93757

side protection frame
in brown colour,
size 54-17
Ref. S93758

side protection frame
in black colour,
size 50-17
Ref. S93756

side protection frame
in black colour,
size 52-17
Ref. S93759

side protection frame
in black colour,
size 54-17
Ref. S93760



case for
S93755, S93757,
S93758, S93756,
S93759, S93760
Ref. S93712



CR 39,
400nm

Ref. M38040A

CR 39,
C1
Ref. M38031A

PC with hardcoating,
450nm
Ref. M38045A

CR 39,
500nm
Ref. M38050A

PC with hardcoating,
511nm
Ref. M38051A

PC with hardcoating,
527nm
Ref. M38052A

PC with hardcoating,
550nm
Ref. M38055A

CR 39,
585nm
Ref. M38058A



CR 39,
400nm

Ref. M38140A

CR 39,
C1
Ref. M38131A

CR 39,
450nm
Ref. M38145A

CR 39,
500nm
Ref. M38150A

CR 39,
511nm
Ref. M38151A

CR 39,
527nm
Ref. M38152A

CR 39,
550nm
Ref. M38155A



CR 39,
400nm

Ref. M38340A

CR 39,
C1
Ref. M38331A

CR 39,
450nm
Ref. M38345A

CR 39,
500nm
Ref. M38350A

CR 39,
511nm
Ref. M38351A

CR 39,
527nm
Ref. M38352A

CR 39,
550nm
Ref. M38355A



ML BASIC BOX

The ML Basic Box contains a basic assortment of Multilens products as a standard trial set for opticians, optometrists, ophthalmologists and orthoptists.

Already in the standard version the ML Basic Box contains a set of ML FILTER in oculusing as well as a set of binocular used ML BINO in different frames and a set of monocular used ML A2 aplanatic system in oculusing, both for reading distance.

The standard version of the ML Basic Box has empty spaces for trial sets of further Multilens products, which can be added later to the ML Basic Box whenever the need arises.

In detail there are empty spaces for one trial set each of the ML VIDİ as well as the ML COMBI 20 and ML COMBI 40 telescopic systems, all in oculusing. There are also empty spaces for one trial set each of the monocular used high addition lenses ML X-LENTI in oculusing and the image magnifying ML GRAND grinding in oculusing.

Since most of the items of the ML Basic Box are in an oculusing it is easy to try the best combination of products with a testing frame to the benefit of the patient. For example all telescopic systems or the aplanatic system can easily be combined with ML FILTER without or even with a light or a dark polarisation.



ML Basic Box
ML BINO +5D, +6D, +8D and +10D in different Halv frames, M62121, M62161, M62201, M62241 and M62321 in oculusing, 2x M38045, 2x M38051, 2x M38052, 2x M38055, 2x Pol1 and 2x Pol3 in oculusing
Ref. M99990



Set ML VIDİ
M70001 in oculusing, M70200, M70230, M70240, M70260
Ref. M99991



Set ML X-LENTI
M10513, M10514, M10515 and M10516
Ref. M99994



Set ML COMBI 20
2x M73020 in oculusing
Ref. M99992



Set ML GRAND
2x 3% and 2x 7% in oculusing
Ref. M99995



Set ML COMBI 40
2 x M73040 in oculusing
Ref. M99993