



RODENSTOCK



Rodenstock HR Digital Filters

Fine-Tuning for
Digital Photography



Rodenstock HR Digital Filters to enhance your photographs

Lenses are the eyes of your camera. They are opto-mechanical precision tools delivering high-quality results. But just as the human eye needs the support or protection of a pair of glasses in certain situations, filters are indispensable for achieving optimum results when taking photographs with a digital camera.

Who of us has not wondered why the sky is always a deeper blue, the grass is always greener and the three-dimensionality of a mountain massif is always more pronounced in reality than on a photograph?

Rodenstock HR Digital UV and Circular Polarisation Filters ensure brilliant colours and eliminate disturbing reflections. As their manufacturing is as precise as that of the lenses themselves, the basic features of the lenses can be put to even better use.



without filter

with Rodenstock HR Digital UV Blocking Filter

Rodenstock HR Digital UV Blocking Filters

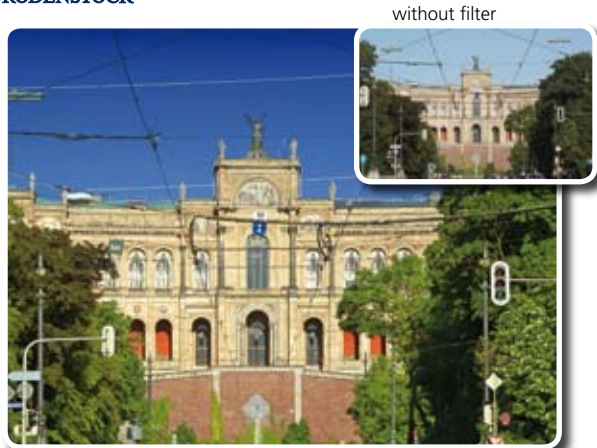
More contrast without blue casts

UV blocking filters help you avoid blue casts blurring your pictures. UV radiation, which is particularly intense in haze and diffuse light by the sea or in the mountains, reduces visibility; as a result, photographs lack contrast. This is due to short-wavelength UV light which is hardly perceptible by the human eye but is clearly registered by a camera sensor.



The colour-neutral Rodenstock HR Digital UV Blocking Filters transmit visible light and effectively block UV rays which impair quality.

The result: Brilliant, high-contrast photos with clear colours and high definition. The photographs you take at the beach or in the mountains will just be more colourful. And on top of that, the colour-neutral Rodenstock HR Digital UV Blocking Filters provide optimum protection for the front lens of your valuable digital objective.



with Rodenstock HR Digital Circular Polarisation Filter

Rodenstock HR Digital Circular Polarisation Filters

Mirroring and reflections can serve as interesting photographic effects. But usually they also disturb the picture. With Rodenstock HR Digital Circular Polarisation Filters, you can avoid disturbing effects or also control their effects as desired. The reason why subjects often come out with a grey haze is the more or less intense reflection of sky light.

To make the inherent colours of subjects come out clearly on photographs taken outdoors, you can eliminate these unwanted reflections as desired with a Rodenstock HR Digital Circular Polarisation Filter. By turning the filter, you can accurately control how strongly you would like the filter to work.



without filter

with Rodenstock HR Digital Circular Polarisation Filter

Light-reflecting surfaces become transparent

If light impinges at a flat angle on transparent materials such as water or glass, it will be reflected by them. In many cases, the reflection is so strong that you cannot see below the water surface or through the window pane. Discover what is below the surface with HR Digital Circular Polarisation Filters.

The result: Water surfaces become transparent and the products on display in a shop window are clearly visible without reflections of the environment.

Rich colours instead of grey haze and reflections

For landscape photographs, polarisation filters deepen the blue of the sky. The white of the clouds and the green of the grass and trees look brighter.

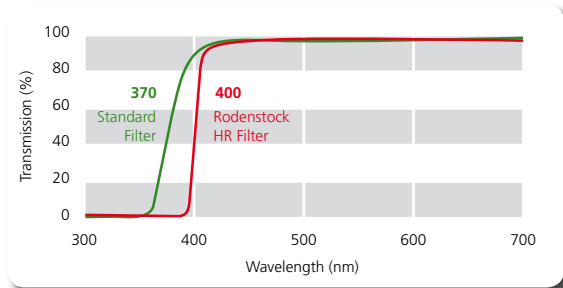
The result: Landscapes in vivid, rich colours without a grey haze.

100 years of know-how

As a manufacturer of professional high-performance objectives, Rodenstock is familiar with the special requirements of digital photography. This experience is also applied to the Rodenstock HR Digital Filter series.

Optimum transmission

- High visible light transmittance
- Blocks UV light (< 400nm)
- Conforms to the RoHS standard*



Spectral curve

Extremely thin glass

Special processing technologies enable particularly thin glass to be used for the HR Digital Filters. The Rodenstock filter glass is only 1.4mm thick and allows:

- Higher transmission
- Narrower frames for using the filters without vignetting at wide-angle lenses



Due to Water Shedding technology, water droplets roll off the surface like from a lotus leaf



Optimization by multicoating

MC coating of optical glasses optimizes filter performance:

- Reduces reflection
- Increase scratch resistance
- Water-repellent due to lotus effect (Water Shedding)

A special matt varnish at the outer edges of the filters as used in high-quality optical lenses, also avoids stray rays of light and scattered-light effects by reflections inside the glass.

Achieve maximum performance by mechanical precision

The frames of the Rodenstock HR Digital Filters are made of high-quality brass. The expansion of brass is very low, even when exposed to considerable fluctuations in temperature. This avoids stresses in the optical glass and the resulting impairment of quality.

Brass also has extremely low friction. This minimizes the risk of jamming in the thread of the lens.

*RoHS = Restriction of Hazardous Substances Directive adopted by the European Parliament in 2003 to restrict the use of certain hazardous substances.

High-grade materials and precise manufacturing determine the quality and efficiency.



Slimline frames

- No vignetting, even with extremely wide-angle objectives, due to low overall height
- With front thread for lens accessories
- Scratch resistant surface due to a special anodic coating

Achieve maximum performance by optical precision

- Extraordinary flatness and parallel alignment of the optical filter glasses
- Special know-how in manufacturing precision objectives provides the basis for the use of extra-thin filter glasses

All filter sizes for digital reflex cameras and technical cameras

Rodenstock HR Digital Filters guarantee maximum optical performance, precise processing and very long-lasting value.

They are provided by specialist dealers for all common lens sizes with filter threads between 49mm and 82mm.

www.rodenstock-photo.com

See for yourself how you can optimize the performance of your digital camera with Rodenstock HR Digital Filters.

Filter size (mm)	Rodenstock HR Digital Filter	
	UV	Circular Pol
	Item Number	
49	1095.0020.049	1095.0090.049
52	1095.0020.052	1095.0090.052
55	1095.0020.055	1095.0090.055
58	1095.0020.058	1095.0090.058
62	1095.0020.062	1095.0090.062
67	1095.0020.067	1095.0090.067
72	1095.0020.072	1095.0090.072
77	1095.0020.077	1095.0090.077
82	1095.0020.082	1095.0090.082

You are only one mouse click away from where you can find more information and products as well as sources:

www.rodenstock-photo.com

- Lenses for analogue technical photography
- Lenses for digital technical photography
- Magnifying technology/CCD
- Quality filters
- Aspherical magnifying glasses



Thin filter glasses and narrow frames enable the use of wide-angle lenses without vignetting.



RODENSTOCK

Rodenstock HR Digital Filters The best choice

To enhance your photographs!

Rodenstock HR Filters

- with maximum optical precision

Rodenstock UV Blocking Filters

- eliminate grey haze, make colours more brilliant

Rodenstock Circular Polarisation Filters

- eliminate blue casts
- eliminate mirroring and reflections

Multicoating and thinner glasses

- for high transmission
- eliminate internal and external reflections

Water Shedding

- water-repellent due to lotus effect

Slimline frames

- for non-vignetting photographs, also with wide-angle lenses

Your specialist dealer: