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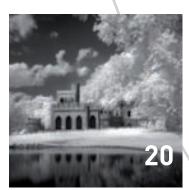
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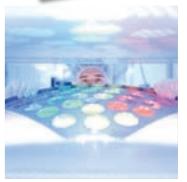


### 60 YEARS OF B+W FILTERS: HIGH TECH MADE IN GERMANY

WHEN IT COMES TO TECHNOLOGY PRODUCTS, A 60-YEAR COMPANY HISTORY IS CORROBORATION OF RECOGNIZED TOP QUALITY. COMPREHENSIVE KNOW-HOW AND STATE-OF-THE-ART PRODUCTION TECHNOLOGY HAVE MADE A NAME FOR THE PROVERBIAL B+W FILTER QUALITY OF SCHNEIDER-KREUZNACH THROUGHOUT THE WORLD. B+W FILTERS ALSO PERFORM CREATIVE TASKS IN DIGITAL PHOTOGRAPHY. IMPROVING PHOTOGRAPHIC RESULTS WITHOUT TOUCHING THE DATA RECORD CAN ONLY BE DONE WITH FIRST-CLASS FILTERS. THE NAME B+W GUARANTEES PERFECT IMAGE QUALITY.



### Innovation and experience "made in Germany"



Filter coating under strict clean room conditions

B+W is celebrating its 60th anniversary in 2007. Following the merger with Jos. Schneider Optische Werke GmbH In 1985, the company moved into its current premises in Bad Kreuznach, having previously been based in Wiesbaden. Under the umbrella of Schneider-Kreuznach a lively technology transfer developed. B+W has succeeded in establishing itself as one the world's leading filter manufacturers. It has, for example, made decisive progress in surface coating. B+W is the first filter manufacturer in the world to offer MRC (multi-resistant coating). The world-famous Käsemann-type polarizing filter with its outstanding quality has been produced by B+W since 1989. Today, state-of-the-art production equipment, precise CNC machines and highly advanced reflection-reducing technology guarantee top quality which is amongst the very best to be found on the world market.

### B+W filters for better quality in digital photos

Particularly in digital photography, B+W filters are important tools for improving image quality. A B+W polarizing filter, for example, provides more saturated colors and high color contrasts because the bluish-gray haze typical of sunny days is filtered before the image sensor generates the data record. If UV or IR radiation causes haze or blur a UV/IR blocking filter in front of the lens can ensure more brilliance and detail sharpness without the necessity for coarsening re-sharpening in the image program. Filters solve problems before they occur in the image sensor.

Image-processing programs, on the other hand, cannot conjure up information which is not contained in the data record. Many of the most commonly used color and contrast corrections work by removing image information (destructive image correction). Such, in some cases coarse repairs leave considerable gaps in the data record which are not yet recognizable on the PC monitor, but can become visible on the higher-resolution print.



Amplitude-controlled immersion baths – this is how graduated filters are made



CNC-controlled diamond grinders rounds rectangular glass to form filter discs



Filter assembly is performed carefully using torque-controlled equipment

# B+W quality: A brand that keeps its promise

Behind the globally recognized B+W filter quality is a continuous process of optimization and quality control which already begins with the raw glass blocks. For the production of the high-precision B+W filters Schott colored glass is used almost exclusively because Schott guarantees the very highest glass quality.

In Bad Kreuznach, computer-controlled grinding and polishing machines produce the highest filter quality from this raw material in an impressive range of designs and diameters. Special production processes remain the domain of the optimizing handcraft of experienced specialists. Strict quality checks in all key production steps ensure seamless production standards. B+W quality does not come about by coincidence, but is clearly defined: to manufacture exactly plane-parallel filter discs without arching or wedge errors (deviating thickness) which could lead to partial image blurring. The filter glass must be completely smooth, because roughness results in scattered light and an unwanted soft focus effect. B+W filter glass meets the highest requirements of camera and lens manufacturers and guarantees optimum imaging quality.

B+W is the first filter manufacturer in the world to offer MRC (Multi Resistant Coating). This multi-layer coating is vapor-deposited in highly advanced vacuum coating plants. It is extremely low-reflective and highly resistant to scratching. But above all its unique dirt and water-repellent surface makes cleaning the filters easier. In this way, filters can also perform a protective function for the front lens.

The continuous new development and further development of the B+W filter models and the final inspection of each individual filter mean that users can achieve the best possible photographic results. It is therefore important to give the same consideration to quality when buying a filter as when selecting your lenses. 60 years of know-how guarantee top filter quality to meet global market standards. A brand promise we can be very proud of in Bad Kreuznach.

Black hard chrome plating, with reflection-reducing finish

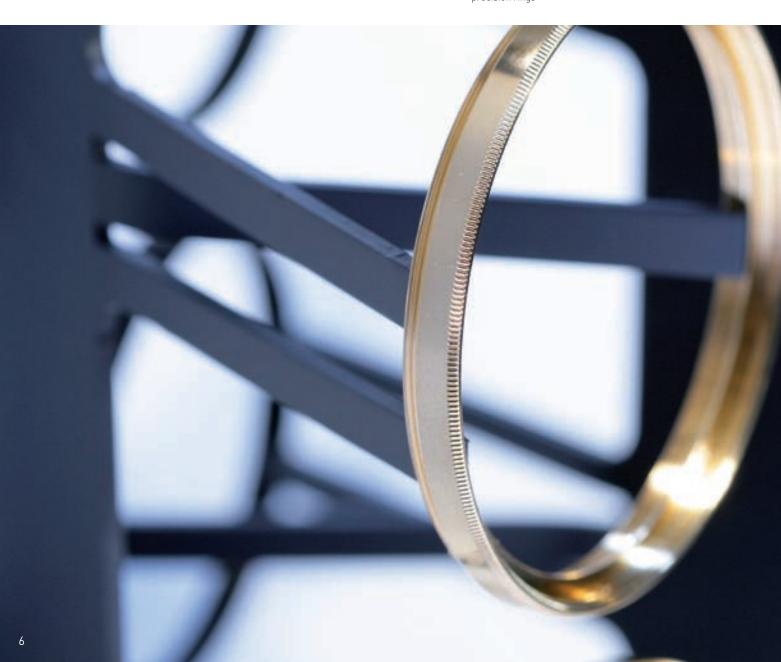


### Filter mounts - the mechanical specialists

The important role played by the filter mount and its mechanically complex task are often underestimated. Although mounts are supposed to fix the high-quality filter glass in position "for life", they must not cause any sharpness-reducing tension in the glass. B+W manufactures various mount types, mainly out of stable brass, on CNC machines. The filter glass is screwed into a high-precision retaining ring, applying a pre-specified torque. Besides the excellent F-Pro standard mount which is suitable for telephoto lenses up to the most common wide-angle focal lengths, B+W offers the very flat Slim mount for extremely wide angles. This eliminates vignetting. For even more extreme focal lengths there is the Oversized mount on which the filter glass protrudes far beyond the thread of the retaining ring (more under "Filter mounts"). It is the high-grade mounts that finally make a B+W filter a true piece of high tech that you can rely on for many years to come.



CNC machines turn brass rods into precision rings

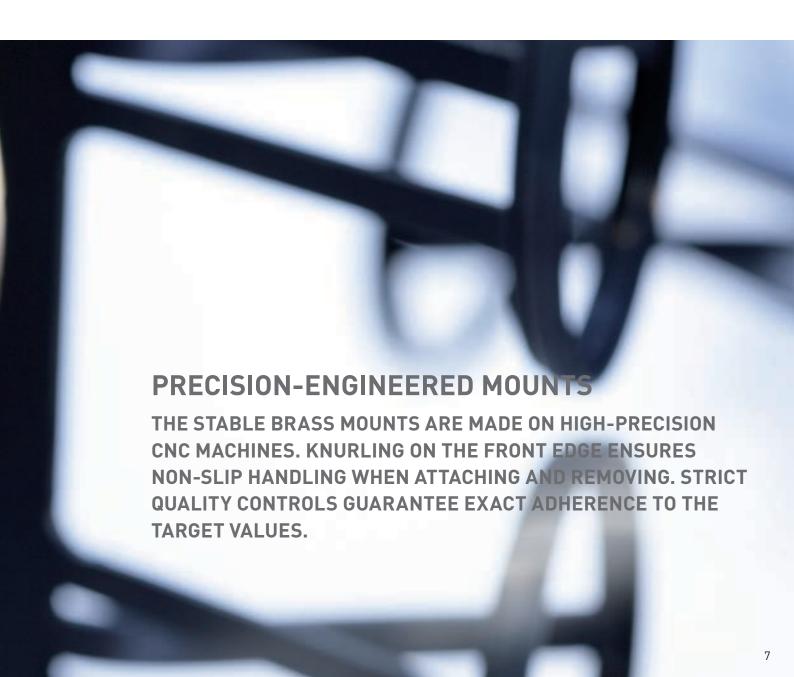


Brass tubes in storage, the raw material for mounts

## Creative filter technology – the fascination of precise creativity

Close-up and macro lenses provide a simple way of exploring new motif worlds. With infrared filters you make the invisible visible and create artistic, fabulous images. For high color contrasts that still look authentic a polarizing filter is still the best option, despite the possibilities offered by photo-editing programs. Furthermore, polarizing filters can eliminate many reflections. The B+W Soft Pro filters produce a professional soft focus effect. And for action photography – whether it is sailing or mountain biking – B+W protection filters shield the front elements of expensive lenses from scratches and moisture. Experience the fascination of precise creativity with your digital camera thanks to high-quality B+W filters.

By the way: This brochure is only part of our overall program. You will find more filters and tips at: www.schneiderkreuznach.com







### Protection filters — the lens protectors

Active photography demands a great deal of cameras and lenses. It therefore makes sense to protect the sensitive front element of the lens against flying sand, dust, fingerprints and water with a filter. Filters not only cost a fraction of the price of a lens, but are also easier to clean. B+W protection filters can remain permanently in front of the lens as they are absolutely colorless, highly transparent and extremely low-reflective due to their hard MRC finish. The optical information reaches the image sensor (or film) uninfluenced. The filters have no exposure factor.

Protection factors play a particularly important role In digital photography. Larger depth of field due to small sensors increases the influence of front lens soiling on image quality. Particularly in zoom lenses with low light intensity, fingerprints have the effect of reducing sharpness considerably. Frequent cleaning of the front lens, however, can not only cause scratching, but also transport dirt particles or moisture on the edge of the mount into the inside of the lens system.



UV 010 MRC: Front lens protection and more brilliance



UV 010: Filter protection against splashing

### Multi Resistant Coating with pearl effect

To guarantee perfect image quality, filters must be kept clean. This is supported by the hard MRC finish with its dirt and water-repellent pearl effect coating. This is the best way to clean filters:

Never rub off dry, loose dirt particles, but remove them first with compressed air (if possible without touching) or a soft lens brush. Breath on the particle-free filter surface and clean it with a soft B+W micro-fiber cleaning cloth. For difficult stains, B+W Lens Cleaner Spray is helpful. Do not use paper tissues as their fibers cling due to electrostatic charges. Little effort for constantly perfect image quality.



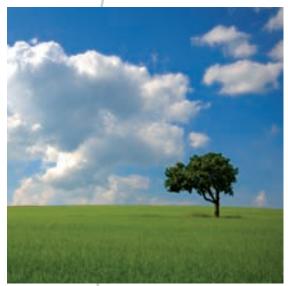


Unwanted reflections on glass (right) are removed by the pol filter  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 





Without pol filter: Typical gray-blue haze on sunny days



With pol filter: Pure, authentic colors, more brilliance

# Polarizing filters – pure colors and non-reflecting surfaces

Radiant white clouds against a deep blue sky or saturated fall colors are no coincidence. Polarizing filters block the bluish gray veil from the diffusely polarized light of the sky. They augment the purity of true colors and increase color saturation. Polarizing filters are amongst the most important filters in (digital) photography. They can be rotated in the mount, allowing the visible regulation of the elimination effect in the viewfinder or on the display. The filter factor is two to three f-stops. The maximum effect is achieved at a shooting angle of 90° to the sun. For an even effect in the picture, 35 mm (or 28 mm in 35 mm film format) should be the minimum. The second beneficial effect of pol filters is the reduction of reflections on non-metallic surfaces (water, shop windows, lacquer). Objects behind these surfaces, including writing behind reflecting lacquer, are made visible. A fascinating way to enhance images without using photo editing. Circular pol filters are recommended for digital cameras.

### Gray filters – creative using less light

Gray filters or neutral density (ND) filters are used if too much light restricts creative possibilities. They reduce the light in accordance with their density. They therefore allow longer exposure times or more widely opened apertures. Applications are highly varied and in some cases experimental. For very bright motifs in the snow or on the beach the aperture would also have to be closed, despite minimum exposure time. This would mean losing the option of short depth of field, e. g. for portraits. This is even more the case with fill-in flash due to the slow synchronization speed. Gray filters can produce wipe effects in movements if the exposure time can be extended with the required aperture. A waterfall then no longer appears to be frozen, but as a flowing motion. Gray filters create ingenious effects in architecture or urban photography. With long exposure times of several hours, people walking through the shot are blurred or not reproduced at all. For physical reasons, very dense filters possess a warm tone which can be compensated in image processing.

Without gray filter: Frozen waterfall due to high shutter speed









Without gray filter: Too much depth of field due to closed aperture With gray filter: Open aperture creates concentrated, selective sharpness



## **CLOSE-UP LENSES**



### B+W Close-Up Lens NL 4

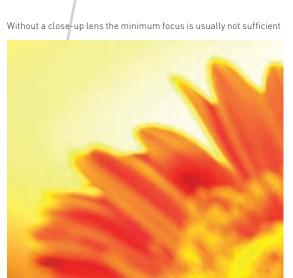
With +4 diopters this close-up lens is pretty powerful. With a focal length of 50 mm it attains an image scale of approx. 1:3. With 100 mm focal length this even advances to 1:1.9, i.e. into the true macro range. To increase brilliance and sharpness, stopping down by about two f-stops is recommended. With the B+W Close-Up Lens NL 4, calyxes (flower heads) already become too large for the format.



#### **B+W Macro Lens**

With extremely high +10 diopter power this close-up lens goes beyond the normal scope. Its high refraction is ideal for the short focal length of digital photography. Even at a focal length of just 50 mm you enter the true macro range, with an image scale of approx. 1:2. To increase (depth of) focus, stopping down by three f-stops is recommended. If graduated sharpness is part of the image concept, open apertures can also be used.





Close-up lenses reduce the minimum focus, producing clear details



# Close-up lenses - reading glasses for your lenses

Would you like to explore fantastic worlds in miniature? Close-up lenses open up new motifs in an inexpensive way. Like reading glasses, close-up lenses move the focus range into the close-up zone. The effect increases with the diopter number and the focal length of the lens. For shorter focal lengths in digital photography stronger close-up lenses are therefore recommended. The image scale describes the effect. A scale of 1:3 renders an object at a third of its original size on the film/sensor. Close-up and macro lenses are simple aids which are suitable in particular for three-dimensional objects (flowers) and pictorial photography, less for technical reproduction purposes. Sufficient stopping down increases the sharpness and the depth of field. A tripod may be required for longer exposure times.

### B+W Soft-Pro - precise beauty softener

The term "soft focus attachment" does not do justice to this soft filter. The filter delivers sharp pictures which are softly overlaid with unsharpness. Details such as eyelashes do not taper into unsharpness, while skin blemishes are gently covered up. Small mini-lenses are distributed randomly on a precisely plane-parallel glass disc. They scatter the light and overlay the sharp core image with hazy, diffuse halos. This opens up deep shadows, while highlights themselves are hardly blurred, but instead form a shimmering aura in the darker surroundings. Professionals, even in Hollywood films, use these stable glass filters when aiming for perfect beauty shots. The effect cannot be achieved with image-processing software (e.g. Gaussian blur).



Even minimal skin blemishes remain recognizable without the Soft Pro filter



Lip gloss as a hard reflection instead of a soft shimmer

### Beauty effect via filter

The sensual enamel of fine beauty photos is not achieved only by diffuse lighting. The B+W Soft Pro filter overlays the sharp core image with the optimum degree of flattering unsharpness. Fine structures such as eyelashes remain recognizable. Skin blemishes, on the other hand, are reduced. Highlights, here the lip gloss, are surrounded by a subtle shimmer.

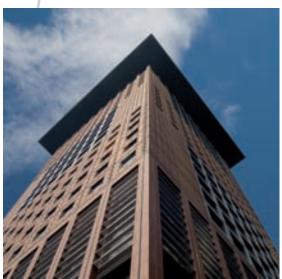




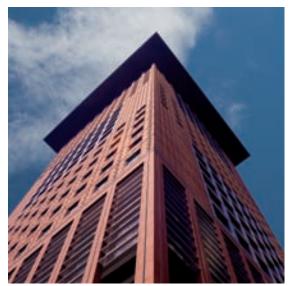


Without gray graduation filter: Not enough "drama" in the sky





Without Redhancer: Pale red-orange tones



With Redhancer: Fresh, vibrant red-orange.

## **Gray graduated filters –** reducing extreme contrast

Gray graduated filters are colorless and compensate excessive contrasts between the sky and the landscape. Clouds gain definition, sky blue acquires depth. The filters can be rotated in the mount in order to adapt the graduation to the horizon. If exposure metering is done through the filter, a minus correction of approx. 0.5 is advisable.

### Redhancer - luminance for warm tones

This special filter intensifies the reproduction of orange, red and brownish color components without completely blocking bluish components. The B+W Redhancer does not achieve its special transmission through coloring, but through the chemical composition of the glass. Besides landscape and nature motifs, the filter effect is also suitable for advertising photography. The shot appears particularly natural if reddish areas predominate and there is no pure white in the image.

### Tips for digital infrared photography

Whether or not a digital camera is IR-sensitive can be determined with an IR remote control. Instructions can be found on the Internet. The IR focus point is somewhat further away than that for visible light. With the filter attached, white balance is performed automatically or (preferably) manually. The IR photos are optimized in the image-processing program: Increase contrast automatically or in the histogram, convert color images to black and white or experiment with individual color channels, leaving the red channel on maximum. Whether digital or analog, infrared photography is experimental by nature.

Normal color shot without IR filter



Color shot with IR filter 093 with B/W conversion



# Infrared digital - special filters for the invisible

These two special filters perform contrasting tasks. The UV/IR Blocking Filter 486 blocks unwanted ultraviolet and infrared light components that can produce ghost images and sharpness-reducing interference. The images gain sharpness, detail and fine color gradations. Although digital cameras have similar filters in front of the image sensors, there is the possibility of residual sensitivity. A gap that is closed by the UV/IR Blocking Filter 486.

It is precisely this gap that the Infrared Filter 093 makes use of. Digital cameras with sufficient IR residual sensitivity take highly typical infrared picture when the visible light is blocked. The black-red Infrared Filter 093 is ideal for this task. The image section is selected and infrared focusing performed before attaching the filter.



### **MOUNT TYPES**



#### B+W Standard Filter Mount F-Pro

The improved Standard Filter Mount F-Pro has high mechanical stability despite its shallow design. It can be used on most wide-angle lenses without the danger of vignetting. However, exact data regarding focal length and angle of view limitations are not possible because vignetting depends not only on the height of the filter mount and the angle of view, but also on the tube design of the front of the lens. As a guide, this filter mount can be used without vignetting on 35 mm camera lenses (approx. 63° diagonal angle of view). In addition, most wide-angle lenses with 28 mm (approx. 75° angle of view) and in many cases even with 24 mm (approx. 84° angle of view) can be combined with the F-Pro mount without the risk of vignetting. The same angles of view apply to lenses in digital cameras. Despite the thinner design, others filters, snap caps or lens hoods can be attached easily and safely to the front thread.

Another advantage of the new F-Pro filter mount: the filter glass is no longer held in place from the front, but from the back by the retaining ring. This prevents the retaining ring from being accidentally loosened during the removal of an additional filter or a lens hood that has been screwed in too tightly. Innovation and excellent material and manufacturing quality make the Standard Filter Mount F-Pro a lastingly stable, rounded piece of high tech.





#### **B+W Digital Pro**

Digital photography also benefits from quality filters. The new Digital Pro filter mount is geared specially to the design and mount diameters of digital cameras and camcorders. The silver, hard chrome-plating on the outside follows the pale color trends of digital cameras and forms a harmonious unit with the lenses. In terms of its design, this high-quality mount is based on the F-Pro model. There are currently 13 mount sizes available between 25.5 and 52 mm. If required, the range will be extended



#### B+W Slim Wide-Angle Filter Mount

The trend towards ultra-compact design in (zoom) lenses does not always leave enough room for a normal filter thickness. With extreme angles of view and very short focal lengths, marginal rays obliquely incident at the image corners can be shadowed. To avoid such vignetting, B+W has developed the very thin Slim Wide-Angle Filter Mount without a front thread. The mount is only three millimeters thick. The Slim polarizing filter is five millimeters thick due to its thicker glass. In most cases, shots are thus possible up to 17 mm in 35 mm format (approx. 104° angle of view) without vignetting caused by the filter mount. Despite their thin design, the Slim mounts are also characterized by excellent mechanical finishing. Precision-engineered retaining rings which guarantee the lasting, stable attachment of the high-grade filter glass. The unique Käsemann-type polarizing filters are now also available in a Slim mount only 5 mm thick. The table on page 30 shows which filters other than in the Standard F-Pro Mount are also available in the Slim version.

### B+W Wide-Angle Filters with oversized mounts



For even more extreme angles of view or super-wide angles with a narrow tube diameter and other special cases such as lenses with an excessively image circle, the oversized mount is the ideal solution. In this special design the mount and the filter glass protrude far beyond the screw-in thread. Even in particularly critical cases, the overdimensioned filter diameter ensures that light incident at a highly oblique angle in the corners of the image is not impeded. This means that vignetting caused by the filter is definitely ruled out. In the critical cases in which these filters are used, no lens hoods should attached as these could cause vignetting. The B+W Wide-Angle Filters with oversized mount are available in many popular sizes.



Screenprint color for the gold B+W logo on the mount



Strict final inspections ensure flawless filter products



## Filter mounts from B+W - high-tech attachments

The quality of high-grade filters is determined by various criteria. Many photographers are aware that the plane parallelism and transmission properties of glass and the coating are key factors for image quality. What fewer of them know is that the filter mount must also meet high requirements as a link in the high-tech chain. The main purpose of the mount is to hold the fragile filter glass in place, firmly yet without play, for a long time. However, the glass must not be subjected to mechanical tension because even the tiniest deformations can result in visible unsharpness. Nevertheless, the filter must also be able to withstand a strong grip. And even after frequent use it must ensure easy and precise attachment and removal. A non-slip surface quality makes handling easier. The mount thickness should be kept to a minimum in order to prevent vignetting at short focal lengths.

B+W filter mounts meet these requirements to perfection. As a rule, they are made of brass on highly accurate CNC machines. The filter glass is kept in place securely but without tension by a threaded retaining ring that is manufactured with equal accuracy. Fine grooving on the front makes attachment easier. Black (or silver) hard-chrome plating, clearly legible labeling (and usually matte black inside surface) ensure lastingly stable image quality and functionality. To avoid vignetting in the image corners at extreme wide angles despite the slim design, B+W provides various mount types that cater for the different angles of view.

## **ACCESSORIES**



#### **B+W Adapter Rings**

If photo equipment is to include lenses with different filter thread diameters, the B+W adapter rings can adapt filters and supplementary lenses to different lens diameters. This is less expensive than buying several lenses with the same filter type – money that would be better invested in a larger selection of filters. When buying filters, check the largest diameter required. In principle, small filters can be adapted to lenses with larger diameters. B+W also provides a selection of adapter rings, but there may be a risk of vignetting. When there are three different diameters to cater for at the same time, adapter rings can also be combined if necessary. However, increased thickness due to several mounts can also result in vignetting. B+W offers a wide range of adapter rings, for lens diameters or bayonets from 28 to 100 mm.



#### **B+W Photo Clear Micro-Fiber Cleansing Cloth**

There is no better cleansing and care cloth for sensitive optical equipment: The B+W Photo Clear is made from a high-tech microfiber which is free of chemicals and lint, and cleans gently but thoroughly. It can be washed in an environmentally safe manner, and used again and again without losing any of its properties – an accessory of frequently underestimated importance for imaging performance. Available in approx.  $36 \times 26$  cm and  $17 \times 17$  cm sizes, each with a protective plastic envelope.



#### B+W Photo Cleaner Cleansing Spray

Persistent marks on highly sensitive optical surfaces cannot be removed with a cloth alone. The B+W Photo Cleaner has been developed for this purpose. It is a silicone-saturated, antistatic cleansing solution with highly effective cleansing agents which leave no unwanted residue on the glass. The propellant-free pump spray is simple to use, non-flammable and bio-degradable. Indispensable for photo trekking or outdoor action photography.



#### B+W Lens Caps and Camera Body Covers

Lens caps for the front or back as well as covers for the camera body have something mystifying in common: They disappear for no apparent reason, only to reappear the next time you move house. So it is good to know that you can always rely on the tried and tested B+W range of caps and covers to protect front lenses, filters or camera bodies from dust and mechanical damage.



#### B+W Collapsible Lens Hoods

Collapsible lens hoods are made of high-grade rubber. Their advantage compared to fixed lens hoods made of plastic or metal is that, in their collapsed state, they protrude only a short distance. This means that the lens hood can remain attached to the lens and, together with the camera, will also fit into a tight photo or standby bag.

Lens hoods are usually regarded simply as a kind of sun visor. In fact, stray light occurs not only by sunlight obliquely striking the lens, but also due to bright ground surfaces (snow, beach), diffuse light or (in object photography) bright surroundings such as a light table. Blocking stray light can considerably improve the image quality of even the most expensively coated lenses. B+W provides three collapsible lens hood types for all standard filter diameters, from wide angle to telephoto.

- The B+W Lens Hood 920 is designed for wide angle (zoom) lenses with angles of view up to 70°. In the limit range of around 70° it should only be used without a filter in order avoid vignetting. In its collapsed state the hood increases the lens length by less than one centimeter.
- The B+W Lens Hood 900 is tailored to standard lenses and short telephoto focal lengths. Its inner ribbed surface enhances the light-absorbing effect of the matte black surface. In its collapsed state, the rubber hood increases the length of a lens by only one centimeter (up to 77 mm filter thread).

#### B+W Metal Lens Hoods

B+W metal lens hoods convey a reassuring, stable impression by their very appearance. The black anodized aluminum reliably blocks stray light, and the precision-engineered tubes have black inner ribs for even greater absorption of unwanted light. Here too, three types are available for numerous filter sizes:

- B+W Metal Lens Hood 970, suitable for wide angle (zoom) lenses up to 70° diagonal angle of view
- B+W Metal Lens Hood 950 for standard lenses and short telephoto lenses
- B+W Metal Lens Hood 960 with a narrower and longer tube for all telephoto lenses

### **ACCESSORIES**



#### B+W Front Lens Snap Cap 310

Hard plastic cap with two spring-loaded plastic claws opposite each other that engage the front thread of the lens (or filter). Simple removal by pressing the two buttons together means fast and uncomplicated one-hand operation.

Available in the following thread sizes: 46 E, 48 E, 49 E, 52 E, 55 E, 58 E, 62 E, 72 E and 77 E.



#### B+W Slip-On Front Lens Cap 300

Protective cap made of flexible plastic material that slips over the outer front rim of the lens or filter. It remains in place by means of friction of the slip-proof plastic material. Very simple to handle. This lens cap can also be used on an attached slim filter that has no front thread.

Available for lens or filter front rim diameters: 27, 30, 32, 37, 42, 51, 54, 57, 60 and 70 mm.



#### B+W Slim Front Lens Cap 305

This cap corresponds in all its features to the 300 except for thickness. The Slim 305 is made of flexible plastic and tailored specifically to the flat Slim filter mounts. This flat lens cap is advantageous when the front rim of the lens is slightly larger than the Slim filter, so that a normal lens cap could not be slipped on completely.

Available for the following Slim filter mounts: 49 E, 52 E, 55 E, 58 E, 60 E, 62 E, 67 E, 72 E, 77 E and 82 E, or for the corresponding outer filter diameters 52, 55, 58, 61, 62, 65, 70, 75, 80 and 85 mm.



#### B+W Rear Lens Caps 330 to 335

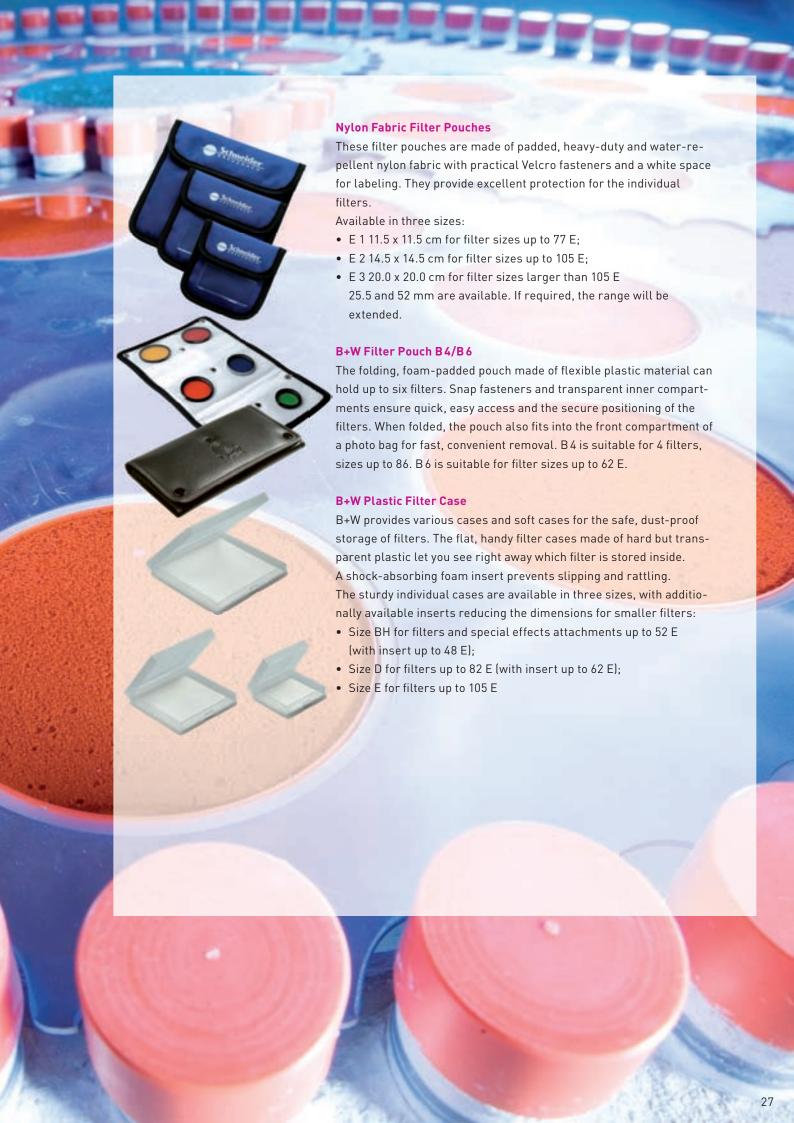
Hard protective cover for the camera-side rear bayonet or thread of the lens.

Available for lenses of Canon FD (330), Minolta MD (331), Nikon (332), Olympus OM (333), Pentax K (334) and M-42 thread (335).



Hard protective covers for the bayonet or thread lens mounts on camera bodies.

Available for SLR cameras with the following lens mounts: Canon FD (320), Minolta MD (321), Nikon (322), Olympus OM (323), Pentax K (324) and for M-42 thread mounts (325). These camera body covers can also be used as front protective covers on tele-converters, provided their optical systems are sufficiently recessed in their mounts.



## **FILTERS/LENS HOODS**

### Standard filters/lens hoods

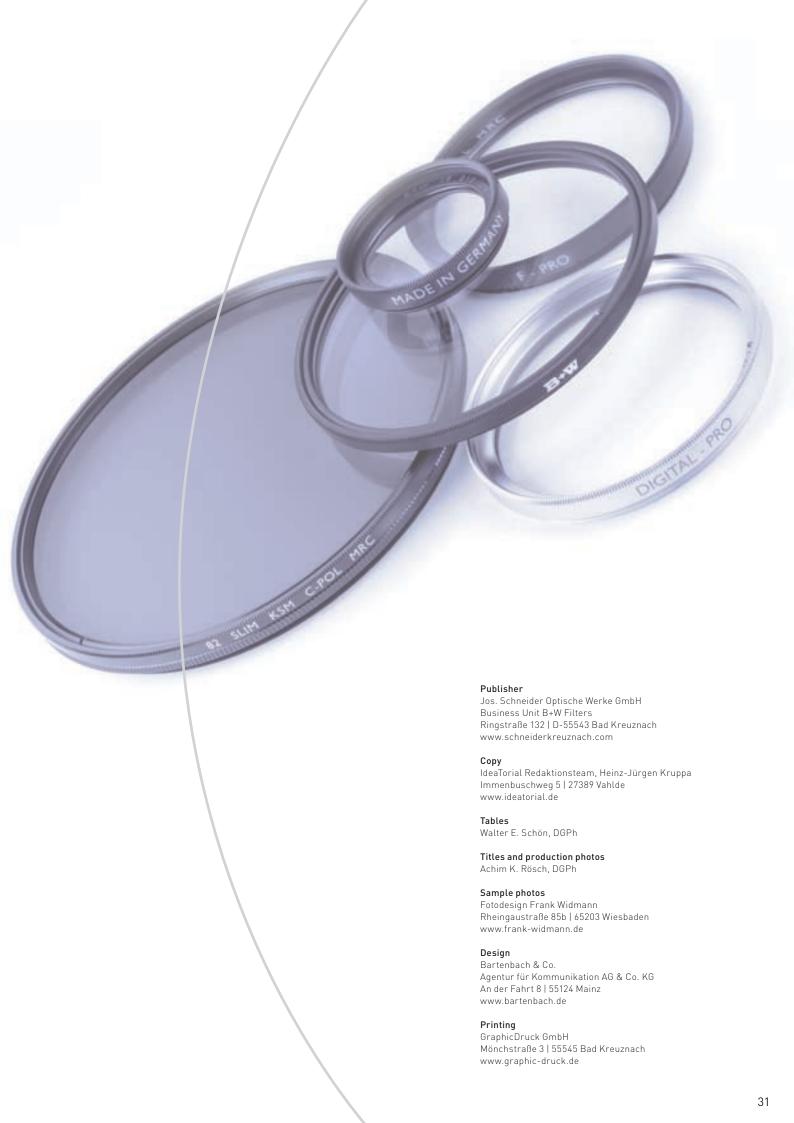
| Explanation of symbols:  Special mount for relatively thick macro lens  |      |      | DIGITAL-PRO | DIGITAL-PRO |      | + DIGITAL-PRO | DIGITAL-PRO |      | DIGITAL-PRO | + DIGITAL-PRO | + DIGITAL-PRO | + DIGITAL-PRO | DIGITAL-PRO |          | DIGITAL-PRO | DIGITAL-PRO |      | DIGITAL-PRO |      |               |
|---|------|------|-------------|-------------|------|---------------|-------------|------|-------------|---------------|---------------|---------------|-------------|----------|-------------|-------------|------|-------------|------|---------------|
| O Standard mount F-Pro O DIGITAL-PRO O both   |      |      | _           | ă           |      | +             | Ē           |      | ă           | + 010         |               | ă             | Ħ           |          | 8           | Ħ           |      | ă           |      |               |
| SLIM wide angle mount, see next table   | 57   | 5.   | 0.75        | 5.          | 57   | 0.75 +        | .75         | .5   | .75         | 2             | 2             | 0.5           | ت           | 0.5      | 0.75        | آ           | ت    | .57         | ت    | ב             |
| <ul><li>Oversized wide angle mount, see next table</li><li>Single coating</li><li>MRC multi-coating</li></ul> | × 0. | × 0. | ×           | × 0.        | × 0. | $\times$      | × 0.        | × 0. | × 0.        | x 0.          | × 0.          | - ×           | × 0.        | $\times$ | ×           | × 0.        | × 0. | × 0         | × 0  | >             |
| Single and MRC multi-coating available  | 19.0 | 24.0 | 25.0        | 25.5        | 27.0 | 27.0          | 28.0        | 28.5 | 30.0        | 30.5          | 34.0          | 35.0          | 35.5        | 37.0     | 37.0        | 39.0        | 40.0 | 40.5        | 41.0 | 13.0          |
| Uncoated and MRC multi-coating available  | Σ    | Σ    | Σ           | Σ           | Σ    | Σ             | Σ           | Σ    | Σ           | Σ             | Σ             | Σ             | Σ           | Σ        | Σ           | Σ           | Σ    | Σ           | Σ    | Σ             |
| Protection Filter 007 Clear   | 0    | 0    | 0           | 0           | 0    | <u>O</u>      | <u>O</u>    | 0    | 0           | <u>O</u>      | 0             | <u>O</u>      | <u>O</u>    | 0        | <u>O</u>    | 0           | 0    | <u>O</u>    | 0    | C             |
| Protection Filter UV 010  | 0    | 0    | 0           | <b>O</b>    | •    | <b>O</b>      | <b>O</b>    | •    |             | _             |               | _             | _           |          | _           | <b>O</b>    | 0    | <u>•</u>    | 0    | •             |
| Skylight Filter KR 1,5  | •    | •    |             |             |      |               | <u>•</u>    |      |             |               | <b>O</b>      |               | <u>•</u>    |          | <u>•</u>    | <u>•</u>    |      | <u>•</u>    | 0    |               |
| Gray Filter 101, 102  | •    | •    |             | _           |      |               |             |      |             | _             | <u>•</u>      | _             | <u>•</u>    |          | _           | _           | •    | <u>•</u>    | •    | •             |
| Gray Filter 103   | •    | 0    | 0           | <b>O</b>    |      | <u>•</u>      | <u>•</u>    | •    |             | <u>•</u>      | <b>O</b>      | <b>O</b>      | <u>•</u>    | •        | <u></u>     | <u>•</u>    | 0    | <u>•</u>    | 0    | •             |
| Gray Filter 106, 110  | 0    | 0    | 0           | 0           | 0    | 0             | 0           | 0    | 0           | 0             | 0             | 0             | 0           | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| "Käsemann" Polarizing Filter (linear)   |      |      |             | 0           | 0    |               |             |      |             | 0             |               |               | 0           |          | 0           | 0           |      | 0           |      |               |
| "Käsemann" Polarizing Filter (circular)   |      |      | 0           | 0           | 0    | 0             | 0           |      | 0           | 0             | 0             |               | 0           |          | 0           | 0           |      | <u>O</u>    |      |               |
| Circular Polarizing Filter  |      |      | 0           | 0           | 0    | 0             | 0           |      | 0           | 0             | 0             | 0             | 0           |          | 0           | 0           |      | 0           |      |               |
| Linear Polarizing Filter Top Pol  |      |      |             | 0           | 0    |               |             |      |             | 0             |               |               | 0           | 0        | 0           | 0           |      | 0           |      |               |
| Warmtone Polarizing Filter (linear, circular)   |      |      |             |             |      |               |             |      |             |               |               |               |             |          | 0           | 0           |      | 0           |      | C             |
| Redhancer 491   |      |      |             |             |      |               | <u>•</u>    |      |             |               |               | <u> </u>      | <u>•</u>    |          | <u> </u>    | •           |      |             | 0    |               |
| Conversion Filters KB 1,5, KB 20  | 0    | •    | 0           | •           | •    | <b>O</b>      | <b>O</b>    | •    | 0           | <b>O</b>      | <b>O</b>      | 0             | <u>•</u>    | •        | 0           | 0           | •    | <b>O</b>    | 0    | •             |
| Conversion Filter KB 15 (80 A)  | 0    | 0    | 0           | •           | 0    | <b>O</b>      | 0           | •    | 0           | <b>O</b>      | <b>O</b>      | 0             | 0           | •        | 0           | 0           | 0    | <b>O</b>    | 0    | 1             |
| Conversion Filter KR 1,5 (Skylight), KR 12  | 0    | 0    |             | •           | •    | <b>O</b>      | 0           | •    | 0           | <b>O</b>      | <b>O</b>      | 0             | 0           | •        | 0           | 0           | 0    | <b>O</b>    | 0    | 1             |
| Conversion Filter 81A (similar KR 1,5), 81B (similar KR 4)  | 0    | 0    | 0           | •           | •    | <b>O</b>      | 0           | •    | 0           | <b>O</b>      | •             | 0             | 0           | •        | 0           | 0           | 0    | <b>O</b>    | 0    | •             |
| Color Correction Filters (CC-Filter)  |      |      |             |             |      |               |             |      |             |               |               |               |             | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| F-Day 499   | 0    | 0    | 0           | •           | •    | 0             | 0           | •    | 0           | 0             | •             | 0             | 0           | •        | 0           | 0           | 0    | •           | 0    | •             |
| UV Black Filter 403; UV Cut Filters 415, 420  | 0    | 0    | 0           | 0           | 0    | 0             | 0           | 0    | 0           | 0             | 0             | 0             | 0           | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| Digital UV/IR Blocking Filter 486   | 0    | 0    | 0           | 0           | 0    | 0             | 0           | 0    | 0           | 0             | 0             | 0             | 0           | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| IR Cut Filter 489   | 0    | 0    | 0           | 0           | 0    | 0             | 0           | 0    | 0           | 0             |               |               | 0           | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| Infrared Filter 092, 093, 099   | 0    | 0    | 0           | 0           | 0    | 0             | 0           | 0    | 0           |               |               |               |             | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| Filters for B&W photography 021, 022, 023, 040, 041   | 0    | 0    | 0           | •           | •    | <u></u>       | 0           | •    | 0           |               |               |               |             |          |             |             |      |             | 0    | •             |
| Filters for B&W photography 090, 091  |      | 0    | 0           | •           | •    | 0             | 0           | •    | 0           | <u> </u>      | •             | 0             | 0           | •        | <u></u>     | 0           | 0    | <u> </u>    | 0    | •             |
| Graduated Filter 501, 502, 524, 543, 550, 560, 561, 581, 585, 590   | _    |      |             |             |      |               |             |      |             |               |               | _             | _           |          | _           |             |      | _           |      |               |
| Soft Focus Attachment Soft-Pro  |      | 0    | 0           | 0           | 0    | 0             | 0           | 0    | 0           | 0             | 0             | 0             | 0           | 0        | 0           | 0           | 0    | 0           | 0    | C             |
| Soft-Image  |      |      |             |             |      | 0             |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Zeiss Softar 1, 2   | _    |      |             |             |      |               |             |      |             |               |               | _             |             |          | _           |             |      | _           |      |               |
| Fog 1, 2  | 0    | 0    | 0           | 0           | 0    | 0             | 0           | 0    | O           | 0             | 0             | 0             | 0           | 0        | 0           | 0           | 0    | 0           | O    | C             |
| Cross Screen 4-, 6-, 8-point star   | +    | Ť    |             | _           |      |               |             |      |             | _             |               | _             | _           |          | Ť           |             |      | _           |      | Ť             |
| Close-Up Lens NL 1, NL 2, NL 3, NL 4  | +    |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Close-Up Lens NL 5  | +    |      |             |             |      |               |             |      |             |               |               |               |             |          | _           |             |      |             | Ť    |               |
| Macro Lens  | +    |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      | ľ             |
| Macro Lens  |      |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
|   |      |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Collapsible Lens Hood 900   | 1    |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Collapsible Wide-Angle lens Hood 920  |      |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Metal Lens Hood 950   |      |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Metal Wide-Angle Lens Hood 970  |      |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      | L             |
| Metal Lens Hood for 28mm f/2.8 PC Super-Angulon lens  |      |      |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      |               |
| Metal Telephoto Lens Hood 960   | +    | _    |             |             |      |               |             |      |             |               |               |               |             |          |             |             |      |             |      | $\overline{}$ |

|  |               |  |   |                             |                             | ı             |                                     |                      | 1                    |               | 1             | ı            | 1            | 1           | ı           | ı           | l l                   |          |               |                  |                   |                    |                   |       | 1                     | ı                     |                       |          |                          | 1        |  |   |
|--|---------------|--|---|-----------------------------|-----------------------------|---------------|-------------------------------------|----------------------|----------------------|---------------|---------------|--------------|--------------|-------------|-------------|-------------|-----------------------|----------|---------------|------------------|-------------------|--------------------|-------------------|-------|-----------------------|-----------------------|-----------------------|----------|--------------------------|----------|--|---|
| M 43.0 x 0.75 + DIGITAL-PRO<br>M 46.0 x 0.75 + DIGITAL-PRO | M 48.0 x 0.75 | M $49.0 \times 0.75 + $ <b>DIGITAL-PRO</b> | M 52.0 $\times$ 0.75 + <b>DIGITAL-PRO</b> | M 55.0 x 0.75 + DIGITAL-PRO | M 58.0 x 0.75 + DIGITAL-PRO | M 60.0 x 0.75 | M $62.0 \times 0.75 + $ DIGITAL-PRO | $M 67.0 \times 0.75$ | M 72.0 $\times$ 0.75 | M 77.0 × 0.75 | M 82.0 x 0.75 | M 86.0 x 1.0 | M 95.0 x 1.0 | M 105 x 1.0 | M 112 x 1.5 | M 122 x 1.0 | 74 Ø for PC 2 8/28 mm | -        |               | Rollei Bayonet I | Rollei Bayonet II | Rollei Bayonet III | Rollei Bayonet VI |       | Hasselblad Bayonet 50 | Hasselblad Bayonet 60 | Hasselblad Bayonet 70 |          | Astrofilter M 28.5 x 0.5 | 48 x 0.7 |  |   |
|  |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            |              |             | —<br>       |             |                       |          |               |                  |                   |                    | 0                 |       |                       | 0                     | 0                     |          |                          |          |  |   |
| 0 0  | - 1           | 0  | _   |                             | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | •           |             |             | C                     |          |               | 0                | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  | - |
| 0 0  |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           | 0           | 0           | •                     |          |               | 0                | 0                 | •                  | •                 |       | 0                     | 0                     | •                     |          |                          |          |  |   |
| 0 0  |               | <u>•</u>                                   | <u>•</u>                                  | <u></u>                     | <u>•</u>                    | 0             | <u>•</u>                            | 0                    | 0                    | 0             | 0             | 0            | 0            | •           |             | •           | •                     |          |               |                  | •                 | •                  | •                 |       | •                     | 0                     | •                     |          | 0                        | 0        |  |   |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             | •                     |          | $\rightarrow$ | 0                | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          | 0                        | _        |  |   |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             | C                     |          |               | 0                | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          | С                        |          |  |   |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           | 0           | 0           |                       |          |               | 0                | 0                 |                    | 0                 |       |                       | 0                     | 0                     |          |                          | 0        |  |   |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           | 0           | 0           | <b>1</b>              | <i>y</i> |               | 0                | 0                 | 0                  | 0                 |       |                       | 0                     | 0                     |          |                          | 0        |  | — |
| 00   |               | 0  | 0   | 0                           | 0                           |               | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          | 0        |  | — |
| 00   |               | 0  | Ö   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          | Ö        |  | _ |
| 0 0  |               |  | <u> </u>                                  | <u> </u>                    | <u> </u>                    | 0             | <u> </u>                            | 0                    | 0                    | 0             |               |              |              |             |             |             |                       | )        |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          | _        |  | - |
| 0 0  | 0             | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           | 0           | 0           | 0                     | )        |               |                  | 0                 | 0                  | 0                 |       | 0                     | 0                     | 0                     |          | C                        | 0        |  |   |
| 0 0  | 0             | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             | •                     | )        |               | 0                | 0                 | 0                  | 0                 |       | 0                     | 0                     | 0                     |          | C                        | 0        |  |   |
| 0 0  | 0             | <u>•</u>                                   | <u>•</u>                                  | <u></u>                     | <u>•</u>                    | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           |             |             | •                     | )        |               | •                | 0                 | 0                  | 0                 |       | 0                     | 0                     | •                     |          | C                        | 0        |  |   |
| <b>O</b>   |               | <u>•</u>                                   | <u>•</u>                                  | <u>•</u>                    | <u>•</u>                    | 0             | <u>•</u>                            | 0                    | 0                    | 0             | 0             |              |              |             |             |             | C                     | )        |               | •                |                   |                    | •                 |       | 0                     | 0                     | 0                     |          | C                        |          |  |   |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             |                       |          |               | 0                | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          | С                        | 0        |  |   |
| 0 0  |               | 0  | <u>•</u>                                  | 0                           | <u>•</u>                    | 0             | 0                                   | 0                    | 0                    | 0             | 0             | •            | 0            | •           | •           | •           | •                     |          |               |                  |                   |                    | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  |   |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             | C                     | _        |               |                  | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  |   |
| 00   |               | 0  | 0   | 00                          | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           |             |             | C                     |          |               | 0                | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  | — |
| 00   |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             | C                     |          |               |                  | 0                 |                    | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  | — |
| 0 0  |               |  | <u></u>                                   |                             |                             | 0             | <u>=</u>                            | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           | 0           | 0           | 0                     |          |               | - 1              |                   | 0                  |                   |       |                       | 0                     | 1                     |          | •                        |          |  | - |
| 0 0  |               | 0  | 0   | <u> </u>                    | <u> </u>                    | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           | 0           | 0           | C                     |          |               | 0                | 0                 | 0                  | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  |   |
|  |               | 0  | 0   | 0                           | 0                           | 0             | 0                                   | 0                    | 0                    | 0             |               |              |              |             |             |             | (1)                   |          |               |                  |                   |                    | 0                 |       |                       | 0                     |                       |          |                          |          |  |   |
| 00   | 0             |  |   |                             |                             |               |                                     |                      |                      |               |               | 0            | 0            | 0           |             |             | С                     |          |               | 0                | 0                 | 0                  | 0                 |       |                       | 0                     |                       |          |                          |          |  |   |
| 00   | 0             | 0  | 0   | <u>O</u>                    | 0                           | 0             | 0                                   | 0                    | 0                    | 0             | 0             | 0            | 0            | 0           |             |             | С                     | )        |               | 0                | 0                 | 0                  | 0                 |       | 0                     | 0                     | 0                     |          |                          |          |  |   |
|  |               |  |   | 0                           |                             |               | 0                                   |                      |                      |               |               | O            |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  |   |
| 00   | 0             |  |   |                             |                             |               |                                     |                      |                      |               |               |              |              |             |             |             | C                     |          |               |                  |                   | 0                  |                   |       |                       | 0                     |                       |          |                          |          |  |   |
|  |               |  |   |                             |                             |               | 0                                   |                      |                      |               |               |              |              |             |             |             | (1)                   | )        |               | J                | O                 | 0                  | 0                 |       | O                     | 0                     | O                     |          |                          |          |  |   |
|  |               | <u>•</u>                                   |   | $\stackrel{\square}{=}$     | <u></u>                     |               | =                                   |                      |                      |               |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  | _ |
|  |               |  |   | <u>=</u>                    |                             |               | _                                   |                      |                      |               |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  | - |
|  |               |  |   |                             |                             |               |                                     |                      |                      |               |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  | — |
|  |               |  |   |                             |                             |               |                                     |                      |                      |               |               |              |              |             |             |             |                       | ) =      | only          | ove              | ersiz             | zed 1              | filter            | s M 6 | 7 x 0.                | 75                    |                       |          |                          |          |  |   |
| • •  |               |  |   |                             |                             |               | •                                   | •                    | •                    |               | •             |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  |   |
|  |               |  |   |                             |                             |               |                                     |                      |                      |               |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  |   |
|  |               | •  | •   |                             | •                           |               | •                                   |                      |                      |               |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  |   |
|  |               |  |   |                             |                             |               |                                     | 0                    |                      |               |               |              |              | •           |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       |          |                          |          |  |   |
|  |               |  |   |                             |                             |               |                                     |                      |                      |               |               |              |              |             |             | _           |                       | +        |               |                  |                   |                    | $\square$         |       |                       |                       |                       | $\vdash$ |                          |          |  |   |
|  |               |  |   |                             |                             |               |                                     |                      |                      |               |               |              |              |             |             |             |                       |          |               |                  |                   |                    |                   |       |                       |                       |                       | ++       |                          |          |  | — |
|  |               |  |   |                             |                             | I             |                                     |                      |                      |               |               | I            | I            | 1           | 1           | 1           |                       | 1        | 1 1           | J                |                   |                    |                   | I     | l                     | I                     | I                     | 1 1      | I                        | 1        |  |   |

## **WIDE ANGLE FILTERS**

### **SLIM** and oversized wide angle filters

| Explanation of symbols:  O Special mount for macro lens, see previous table |       |          |          |          |      |                               |          |                               |                               |          |          |      |          |     |        |   |
|---|-------|----------|----------|----------|------|-------------------------------|----------|-------------------------------|-------------------------------|----------|----------|------|----------|-----|--------|---|
| O Standard mounts F-Pro, see previous table                                 |       |          |          |          |      |                               |          |                               |                               |          |          |      |          |     |        |   |
| <ul><li>SLIM wide angle mount</li><li>Oversized wide angle mount</li></ul>  | 0.75  | 0.75     | 0.75     | 0.75     | 0.75 | 0.75                          | 0.75     | 0.75                          | 0.75                          | 0.75     | 1.0      | 1.0  | 1.0      | 1.0 | ت      |   |
| Single coating     MRC multi-coating  | 0 × 0 | ×        | ×        | ×        | ×    | ×                             | ×        | ×                             | $\times$                      | ×        | ×        | ×    | l ~      | ×   | 2 × 1. |   |
| Single and MRC multi-coating available                                      | 49.   | 52.      | 55.      | 58.      | 0.09 | 62.0                          | 67.0     | 72.0                          | 77.0                          | 82.0     | 0.98     | 95.0 | 105      | 110 | 1      | ; |
| Uncoated and MRC multi-coating available                                    | Σ     | Σ        | Σ        | Σ        | Σ    | Σ                             | Σ        | Σ                             | Σ                             | Σ        | Σ        | Σ    | Σ        | Σ   | Σ      | : |
| Protection Filter 007 Clear   |       | 0        |          |          |      |                               |          |                               |                               |          |          |      |          |     |        |   |
| Protection Filter UV 010  | 0     | 0        | <b>O</b> | 0        | •    | <b>O</b>                      | 0        | <b>O</b>                      | <b>O</b>                      | 0        | 0        | 0    | 0        | 0   | 0      | T |
| Skylight Filter KR 1,5  |       | 0        |          | 0        | •    | 0                             | 0        | 0                             |                               | 0        |          |      |          |     | 0      | T |
| Gray Filter 101, 102  |       |          |          | 0        | •    |                               | •        |                               |                               | •        | •        |      | 0        |     |        | T |
| Gray Filter 103   |       |          |          |          | •    |                               | •        | •                             |                               |          |          |      |          |     |        | T |
| Gray Filter 106, 110  | 00    | 00       | 0        | 0        | 0    | 0                             | 0        | 0                             |                               |          |          |      |          |     |        | t |
| "Käsemann" Polarizing Filter (linear)                                       |       |          |          | 0        |      | 0                             | 0        | 0                             | 0                             | 0        | 0        | 0    | 0        | 0   | 0      | t |
| "Käsemann" Polarizing Filter (circular)                                     | 0     | 0        | 0        | 0        |      | 0                             | 0        | 0                             | 0                             | 0        |          |      |          |     |        | ( |
|   |       |          |          | 0        |      | 0                             | 0        |                               | 0                             | 0        | 0        | 0    | 0        | 0   | 0      | ļ |
| Polarizing Filter   | 0     | 0        | 0        | ()<br>() |      | <ul><li>O</li><li>O</li></ul> | 0        | <ul><li>O</li><li>O</li></ul> | <ul><li>O</li><li>O</li></ul> | ()<br>() | 0        |      |          |     |        | + |
| Warmtone Polarizing Filter (linear, circular) Redhancer 491                 |       |          |          |          |      |                               | 0        |                               | 0                             | 0        | 0        |      |          |     |        | ł |
| Rednancer 491   |       | ŏ        |          | 0        |      |                               |          |                               |                               |          |          |      |          |     |        |   |
| Conversion Filter KB 1,5, KB 20   |       | 0        |          | 0        |      |                               |          | 0                             |                               |          |          |      |          | 0   | 0      |   |
| Conversion Filter KB 15 (80 A)  |       |          |          |          |      |                               |          |                               |                               |          |          |      |          |     |        |   |
| Conversion Filter KR 1,5 (Skylight), KR 12                                  | 0     | <b>O</b> |          | <b>O</b> | •    | <b>O</b>                      | <b>O</b> | <b>O</b>                      |                               |          |          |      | <b>O</b> |     | 0      | Ī |
| Conversion Filter 81 A (similar KR 1,5), 81 B (similar KR 4)                |       |          |          | 0        | •    |                               | 0        | •                             | •                             |          |          |      |          |     |        | Ī |
| Color Correction Filters (CC-Filter)  | 0     | 0        | 0        | 0        |      | 0                             |          |                               |                               |          |          |      |          |     |        | T |
| F-Day 499   |       |          |          | 0        |      |                               |          |                               |                               |          |          | 0    | 0        | 0   | 0      |   |
| UV Black Filter 403; UV Cut Filters 415, 420                                | 0     | 00       | 0        | 00       | 0    | 0                             | 0        | 0                             |                               |          |          |      |          |     |        | Ī |
| Digital UV/IR Blocking Filter 486   | 0     | <u></u>  | <b>O</b> | 0        | 0    | <b>O</b>                      | 0        | <b>O</b>                      | <b>O</b>                      | 0        | <b>O</b> |      |          |     |        | T |
| IR Cut Filter 489   | 0     | 0        | 0        | 0        | 0    | 0                             | 0        | 0                             |                               |          |          |      |          |     |        | T |
| Infrared Filter 092, 093, 099   | 0     | 0        | 0        | 0        | 0    | 0                             | 0        | 0                             |                               |          |          |      |          |     |        | T |
| Filter für SW-Filme 021, 022, 023, 040, 041, 090, 091                       | 0     | 0        |          | 0        | •    |                               | 0        | 0                             |                               | 0        |          |      | 0        |     | 0      | T |
| Graduated Filter 501, 502, 524, 543, 550, 560, 561, 581, 585, 590           | 0     | 0        | 0        | 0        |      | 0                             | 0        |                               |                               |          |          |      |          |     |        | T |
| Soft Focus Attachment Soft-Pro  | 0     | 0        | 0        | 0        | 0    | 0                             | 0        | 0                             | 0                             | 0        | 0        | 0    | 0        |     |        |   |
| Soft-Image  | 0     | 0        | 0        | 0        | 0    | 0                             | 0        | 0                             | 0                             | 0        | 0        | 0    | 0        | 0   | 0      | T |
| Fog 1, 2  | 000   | 00       | 00       | 00       | 0    | 0                             | 0        |                               |                               |          |          |      |          |     |        | T |
| Cross Screen 4-, 6-, 8-point star   | 0     | 0        | 0        | 0        |      | 0                             |          |                               |                               |          |          |      |          |     |        | t |
| Close-Up Lens NL 1, NL 2, NL 3, NL 4, NL 5                                  |       |          |          |          |      |                               |          |                               |                               | _        |          |      |          |     | -      | + |



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