

# TOYO *Tech Tips* Compendium Lens Hoods

## Compendium Lens Hoods

Flare from extraneous light is one of the most overlooked causes of image quality loss. Stray light falling on the front lens surface of the highest quality multi-coated lens can still lower contrast and de-

grade color fidelity. The best remedy is the use of a properly matched lens hood.

The use of a flexible and adjustable compendium or bellows style lens hood is ideal for large format cameras because lenses vary greatly in physical and technical specifications, and special hood adjustments may be required when using camera movements such as tilt and shift.

Also, many compendium hoods accept large, square gelatin filters. Using a single size set of gel filters is far less expensive than a comparable set of glass filters in various sizes needed to fit a variety of lenses.

## Proper Hood Adjustment

A compendium hood is indispensable in the field, where light is uncontrollable, or in studio lighting situations, especially table top work, where light sources are placed close to the lens.

Stray light spilling onto the lens front surface can be easily controlled and virtually eliminated with proper adjustment of a fully flexible compendium lens hood.

1. Once your camera is set up and focused, face the lens with the hood out of the way, and look for light that is illuminating the lens front surface. If you're using studio flash, make sure your modeling lights are on full power, and the room lights are off.

Strong light will be clearly visible, and will have a direct effect by producing flare. However, even under overcast outdoor conditions, a lens hood can shade the lens from extraneous light that may not be as apparent to the naked eye.

2. Next, position the compendium lens hood in front of the lens. Now compress the hood entirely. From this starting position, pull the hood straight out until you shade the front lens surface.

3. With fully adjustable hoods, you can angle the front of the hood in any direction to give the best possible coverage. This is especially important when tilts and swings are in use.

## Toyo Lens Hood Use

All Toyo compendium hoods have *swing-away brackets* for easy access to shutter controls, and attach to the top of the camera front standard by means of the built-in attachment screw and alignment pins.

With Toyo Pro Hoods #180-626 (8060) and #180-623 (1660), you can adjust the position of the entire hood on the swing-away extension rail bracket.

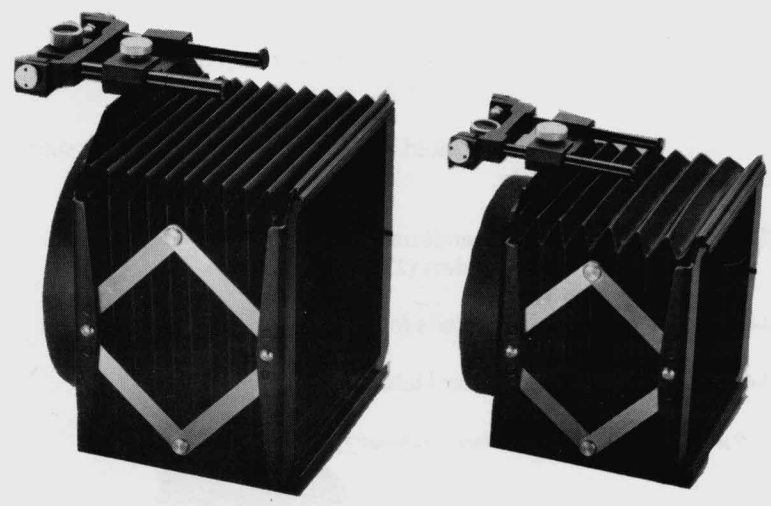
First, attach the hood to the front standard frame of the camera by screwing the chrome knurled lock knob into the screw thread

After loosening the chrome set screw on the front part of the bracket, set the back of the hood as close to the lens board as possible to cut off any light that may intrude around the lens shutter.

Then adjust the hood as described in adjustment steps 1 through 3.

When using very long lenses, optional extension rails may be added.

*(continued on reverse)*



Toyo Pro Compendium Hoods #180-626 and #180-623

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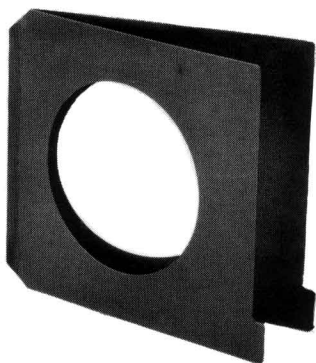
## Using Gelatin Filters

When using gelatin or thin polyester filters in Toyo Pro Hoods, first insert the filter into the appropriate size heat resistant paper filter holder. The #180-623 Hood accepts 3" and 4" square filters. The #180-626 accepts 3", 4" and 5" filters.

Then insert the filter holder in the rear filter slot of the Toyo Pro Hood. When using special effects vignettes, the front hood slot may be used.

With the filter in the rear slot, position the hood until the filter frame rests evenly upon the front ring of the lens.

Then adjust the hood according to steps 1 through 3.



Heat resistant paper gelatin filter holders insert into Toyo Pro Compendium Hoods

## Selecting Toyo Hoods

There are three Toyo Compendium Hood models available. The Pro and standard hood fits all Toyo-View, Toyo-Field 810M and Omega-View camera models in 4x5, 5x7 and 8x10 versions.

Cat #	Intl#	Description
#180-626	(8060)	Pro Compendium Lens Hood w/ gel holders
#180-608	(8062)	Extension Rods for 180-626
#180-610	(8063)	Gelatin Filter Holder set 3,4,5" sq. for 180-626
#180-624	(8061)	Standard Compendium Lens Hood (does not have filter slots)

For Toyo-View 23G and Toyo-Field 45A cameras, a compact version of the #180-626 hood is available.

#180-623	(1660)	Pro Compendium Lens Hood w/ gel holders (23G and 45A only)
#180-604	(1662)	Extension Rods for 180-623
#180-609	(1663)	Gelatin Filter Holder set 3,4" sq. for 180-623

*Note: All prices and specifications subject to change without notice*



Toyo 810M Field shown with #180-626 Hood swung up and away from the lens

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