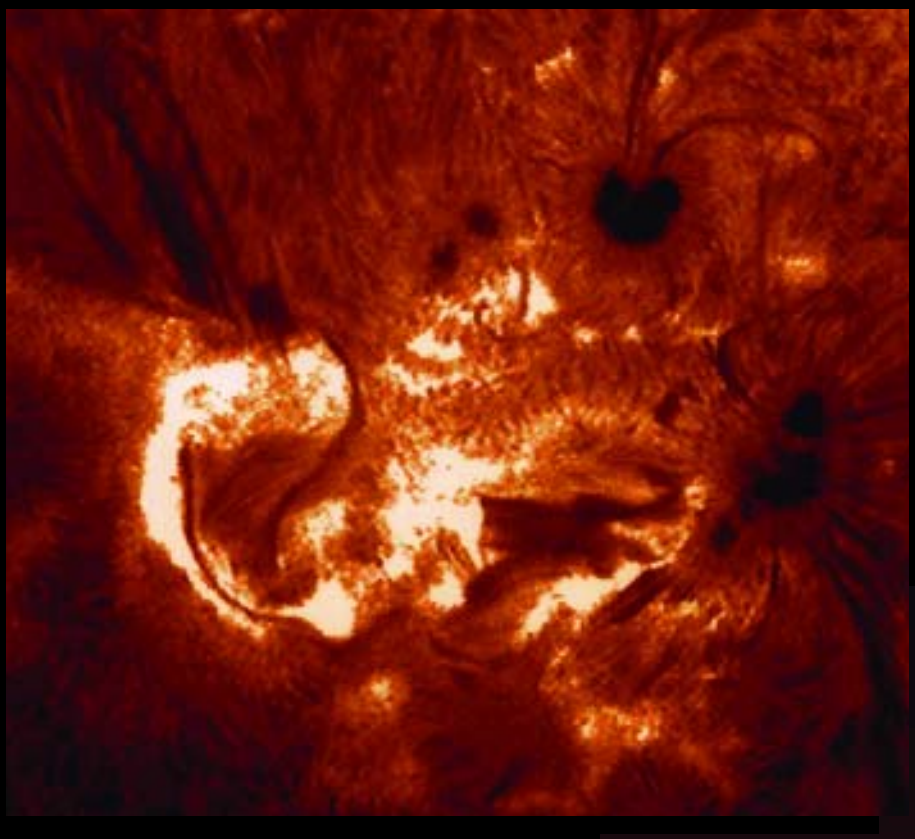
DAYSTAR FILTERS

SUB ANGSTRÖM BANDPASS FILTERS • HYDROGEN ALPHA FILTERS • CALCIUM K LINE FILTERS • SODIUM D FILTERS

Can Your Filter Do This?

It can if it's a DayStar!



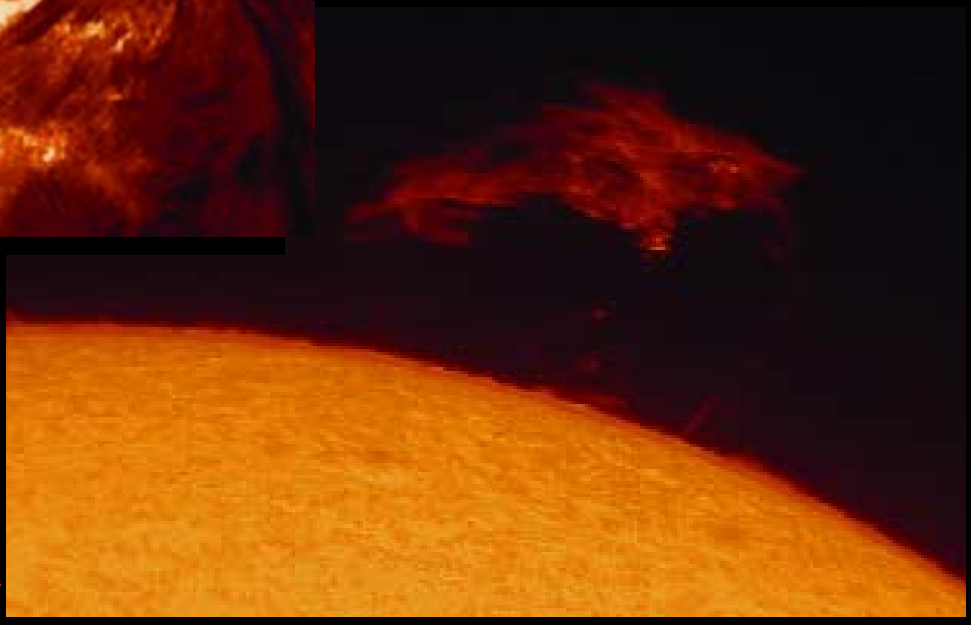
- Observe at an aperture of your choice.
- Observe at a magnification of your choice
- DayStar Filters are only seeing limited.

- Used by the best:

DayStar bandpass filters can be found in all the finest professional observatories in the world. Big Bear, Keck, Griffith, Canary Islands, NASA

DayStar can and has been used on all of this equipment:

- Televue Pronto
- Astrophysics 6" refractor
- C-8 SCT
- Space Shuttle

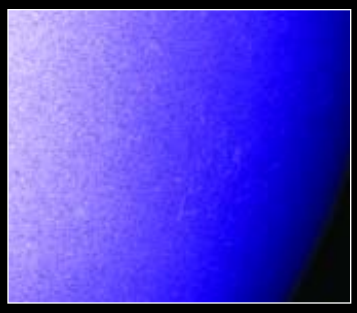


Narrower Bandpass Means More Detail.

In Solar filters, narrower is better. A DayStar can show more than prominence and spicule. Go narrower with 0.6, 0.5, 0.4 or even 0.3 angstroms to see surface detail in the chromosphere. Active or not, the Sun is always interesting - with the right filter.

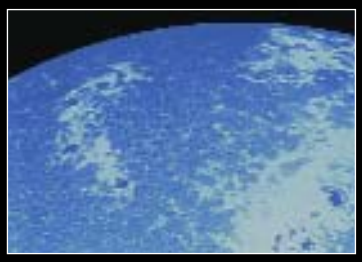
New Designs, New Wavelengths, New Owners...

Under new ownership since 2005, our new policy is to incorporate existing technology, while exploring ways to improve the observers experience. The magic of the DayStar ultra-narrow bandpass optics is just as impeccable today as for the last 30 years. The new philosophy is about a more user-friendly, dynamic experience with the observer in mind.



NEW! Calcium II H Line 5.0Å Filters

3969Å wavelength: (More visible than Ca II K)
Great for Visual or Photographic Observing. $4000 USD
Ca II H, at 3969Å is higher in Ultraviolet toward the visible spectrum and therefore easier to see. While research applications prefer the K line, the H line offers a much better view for visual observing. The 5.0 Å line is also very wide, accomplishing a brighter view.



Calcium II K Line 2.0Å Filters

University Grade on 3933.7Å for primarily academic studies
of solar altitude and / or photographic observations $4800 USD

NEW! 0.4 Å Sodium D Line Filters

Na D 5895.9Å.filters for photographic
and visual observing
for the serious observer
$3400 USD

Hydrogen Alpha Tscanners

(operates within 20°F of room Temperature)

0.8Å H-alpha TS: $1625 USD
0.7Å H-alpha TS: $2000 USD
0.6Å H-alpha TS: $2600 USD
0.5Å H-alpha TS: $3200 USD
0.4Å H-alpha TS: $3900 USD

NEW! Hydrogen Alpha Quantum Series

The new Quantum Series is designed to replace our previous ATM and University styles. This completely redesigned precision heated housing incorporates ALL of the desired features for today's solar observer or researcher... and then some. Operation couldn't be simpler, just plug it in and a green light indicates the filter is on band. The housing operates at 12VDC for field or battery use, include a 100-240VAC power supply, live LCD readout of the filter's wavelength output, and red/blue wing shift buttons that can precisely tune wavelength up or down for doppler studies. The unit even includes a serial port for future computer control capability..

Hydrogen Alpha Quantum SE

(Standard Edition on-band in any climate)

0.8Å H-alpha Quantum SE: $2850 USD
0.7Å H-alpha Quantum SE: $3200 USD
0.6Å H-alpha Quantum SE: $3750 USD
0.5Å H-alpha Quantum SE: $4500 USD
0.4Å H-alpha Quantum SE: $5200 USD
0.3Å H-alpha Quantum SE: E-MAILfor quote

Hydrogen Alpha Quantum PE

(Professional Edition with University-quality uniformity)

0.8Å H-alpha Quantum PE: $4625 USD
0.7Å H-alpha Quantum PE: $5250 USD
0.6Å H-alpha Quantum PE: $6000 USD
0.5Å H-alpha Quantum PE: $7000 USD
0.4Å H-alpha Quantum PE: $9000 USD
0.3Å H-alpha Quantum PE: E-MAILfor quote

Repair services available:

- Blocker and Trimmers: (Image darkening, spots, donut shaped discoloration, vignetting) $625 USD 3-4 weeks
- ATM Heater repair (off band, body doesn't feel hot) $ 350 USD 3-4 weeks
- Quantum housing upgrade $525 USD 2-3 weeks
- Etalon upgrades: Upgrade your etalon to a higher quality. Cost is the exact difference in model costs 3-4 weeks

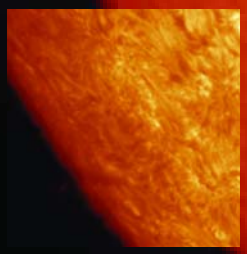
SCT Energy Rejection Filters:

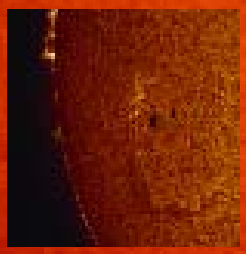
C5	38mm	$250
C8/LX200 8”	63mm	$350
C925/LX 200 10”	80mm	$400
C11	90mm	$450
LX 200 12”	101mm	$505
C14 / LX 200 14”	114mm	$550
C16 / LX 200 16”	127mm	$750

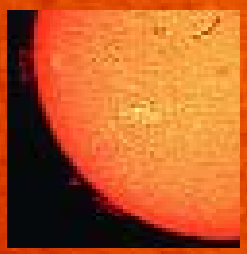
Refractor Energy Rejection Filters:
Mounted in cell: May be used full aperture or masked down.

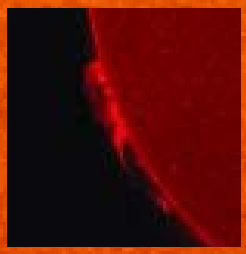
50mm	$300	101mm	$505
63mm	$350	114mm	$550
80mm	$400	127mm	$750
90mm	$450	150mm	$1065

Energy rejection filters are a pre-filter mounted before the front element of the telescope. They are designed to reduce the energy entering the telescope. It can also be used to mask the telescope aperture to “stop” it down to reach F/30. DayStar Filters must operate at approximately F/30. This can be accomplished with a barlow or an aperture reduction mask. For help finding the right energy rejection filter for you, contact your local dealer or visit www.DayStarFilters.com


0.4Å


0.5Å


0.6Å


0.7Å

Whatís NEW?

Record Solar Cycle Expected

Quantum Simplicity

12v operation

Narrower bandpass

Sodium D

Calcium H Line

Research Quality

Chromosphere

Precision Control

Repairs and Upgrades