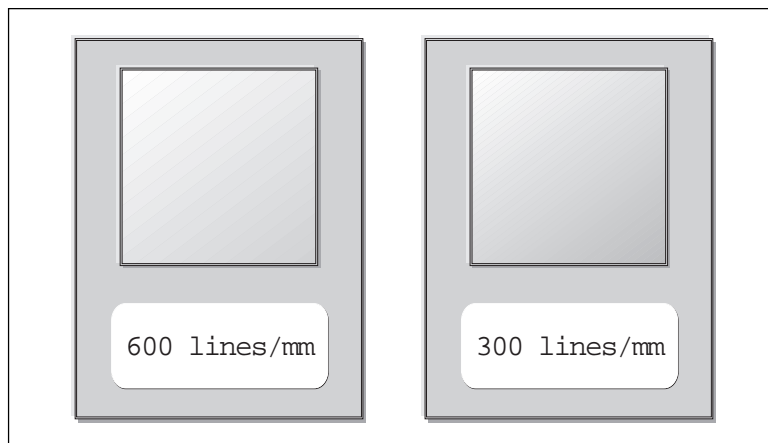


High Quality Diffraction Gratings



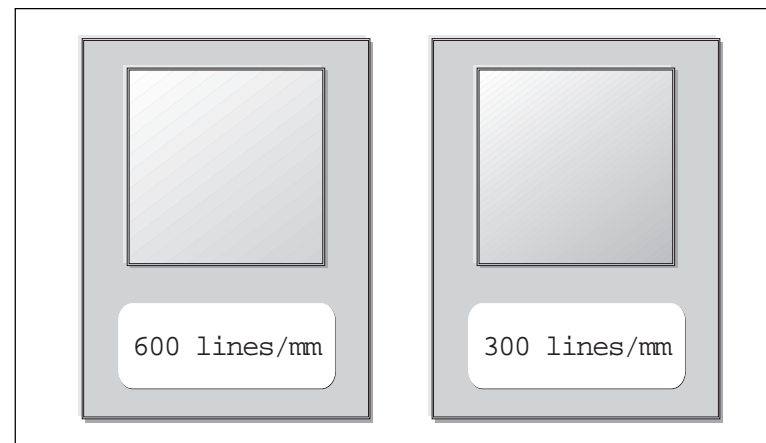
Both of these high quality replica gratings have a high resolving power and are suitable for use in precision quality student spectrometers, such as the PASCO Model SP-9268.

The 300 line/mm grating is strongly blazed in the first through fifth orders. It provides a sharp, brilliant spectrum and is excellent for projecting a spectrum as a classroom demonstration.

The 600 line/mm grating is strongly blazed in the first order only. It's spectrum is also sharp and bright, but not as concentrated as the 300 line/mm grating.

► **IMPORTANT:** To avoid scratching or soiling the surfaces of the gratings, hold the slide by its edges.

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Limited Warranty

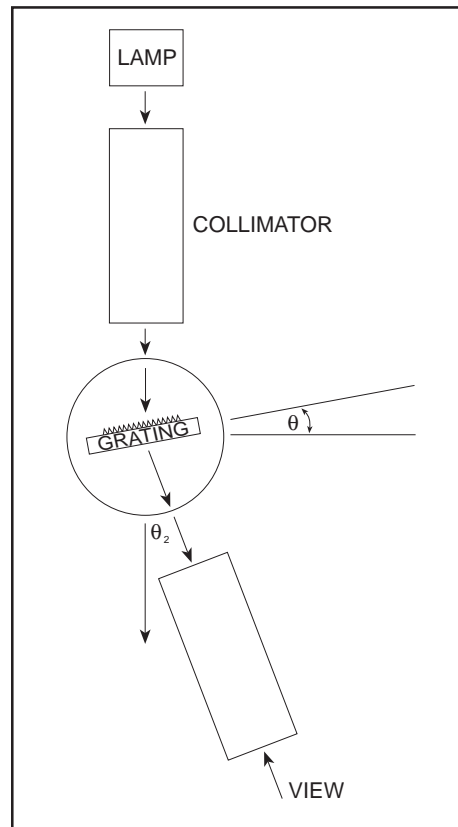
PASCO scientific warrants this product to be free from defects in materials and workmanship for a period of one year from the date of shipment to the customer. PASCO will repair or replace, at its option, any part of the product which is deemed to be defective in material or workmanship. This warranty does not cover damage to the product caused by abuse or improper use. Determination of whether a product failure is the result of a manufacturing defect or improper use by the customer shall be made solely by PASCO scientific. Responsibility for the return of equipment for warranty repair belongs to the customer. Equipment must be properly packed to prevent damage and shipped postage or freight prepaid. (Damage caused by improper packing of the equipment for return shipment will not be covered by the warranty.) Shipping costs for returning the equipment, after repair, will be paid by PASCO scientific.

Using the Diffraction Grating in a Student Spectrometer

If a sodium lamp is used, the doublet may be viewed when $\theta_1 = 10.5^\circ$ and $\theta_2 = 21^\circ$.

► **NOTE:** If $\theta = 0^\circ$, the lines may not resolve as clearly.

The grating has a stronger spectrum on one side than the other. For best performance and resolution, view the brighter side.



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