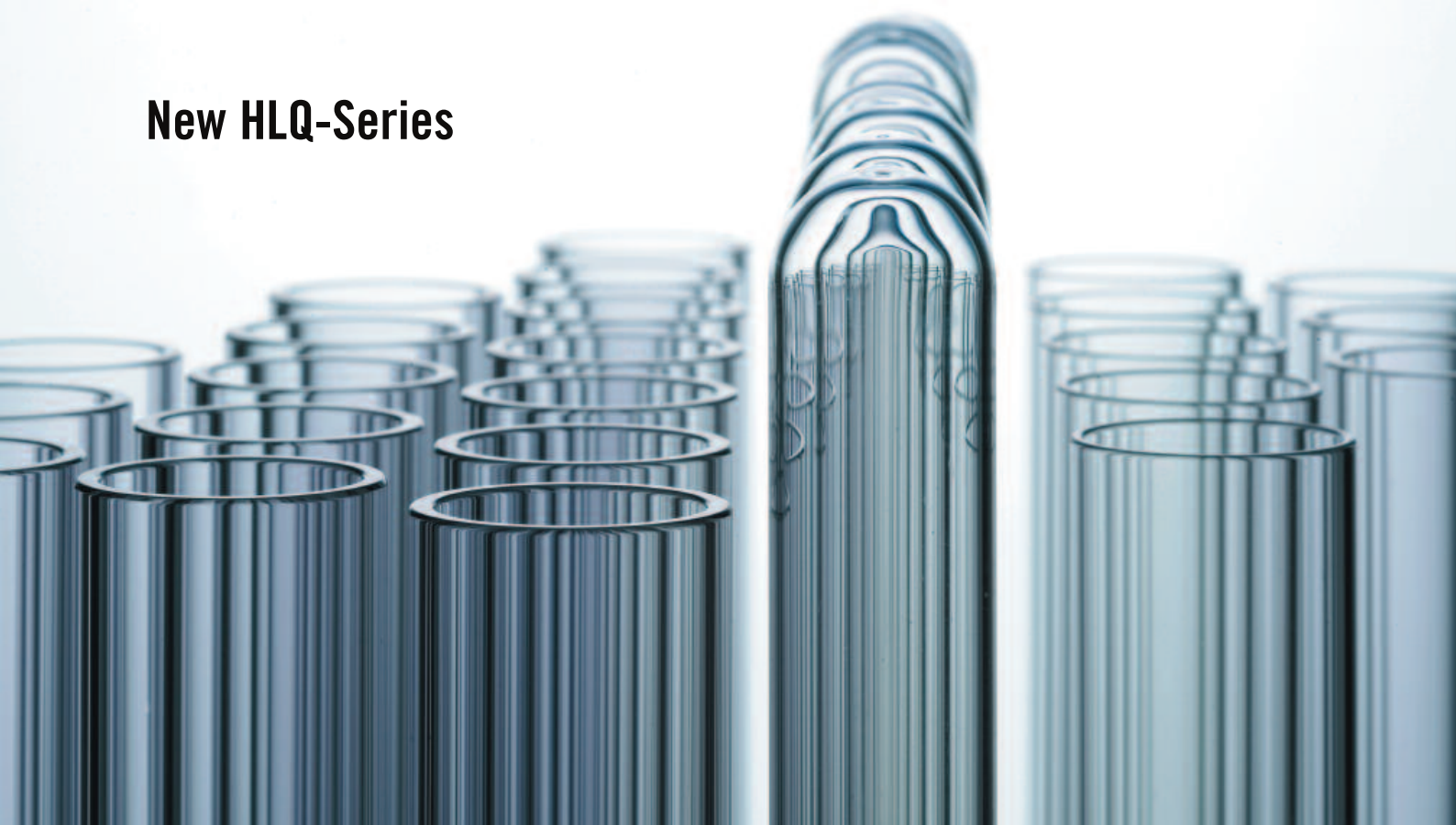


New HLQ-Series



Standard Quartz Glass Products for UV Disinfection and UV Cleaning Applications

UV disinfection, UV cleaning

Disinfection and cleaning with ultraviolet light is a cost-effective and environmentally-friendly alternative to conventionally used chemical processes.

As a result UV disinfection and UV cleaning technologies become more and more important in drinking, waste and process water treatment.

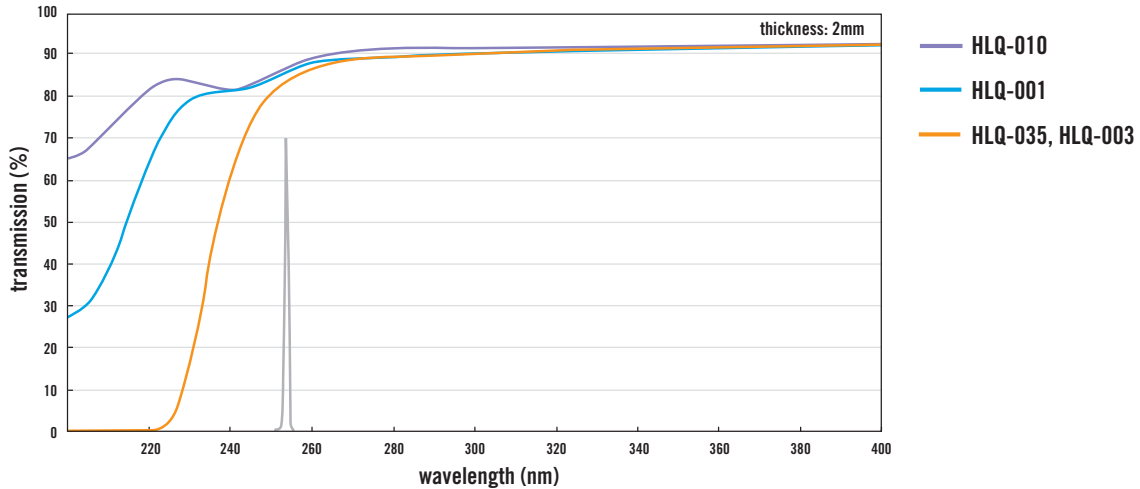
To fulfil the needs for high volume low budget UV disinfection applications at 254 nm Heraeus provides new HLQ standard quartz glass products.

Heraeus features

- Own cleaning and purification capabilities for pure raw material
- Standard grades and premium grades are available
- Standard products:
 - Tubes, furnace cut or machine cut
 - Sleeves
 - Domed tubes, flared and firepolished
- Small sample order quantities
- Technical support
- Size range: OD 10 - 90 mm
- Other dimensions are available upon request

High Volume, Low Budget

Typical transmission spectrum including reflection losses



For high volume, low budget UV applications Heraeus provides new HLQ products in doped and clear fused quartz glass.

Typical applications are:

- envelopes for 254 nm low pressure UV lamps
- envelopes for medium pressure UV lamps
- domed and open sleeves for both low and medium pressure UV lamps

Typical impurity content in weight ppm ($\mu\text{g/g}$)

	Li	Na	K	Mg	Ca	Fe	Cu	Cr	Mn	Al
HLQ-010 clear	0.7	0.7	0.6	< 0.05	0.5	0.2	0.05	0.05	< 0.05	14.00
HLQ-035 doped, ozone free	0.7	0.7	0.6	< 0.05	0.5	0.2	0.05	0.05	< 0.05	14.00
HLQ-001 clear	0.8	3.0	2.0	0.5	3.0	1.8	0.10	0.50	0.20	15.00
HLQ-003 doped, ozone free	0.8	3.0	2.0	0.5	3.0	1.8	0.10	0.50	0.20	15.00

The data given here is correct for April 2007 and is subject to change.

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