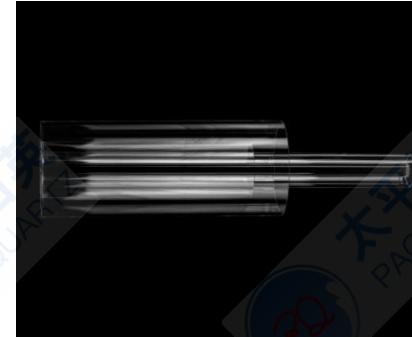




High Ozone transparent quartz tube

I. Applications

Water treatment and other sterilization fields.



II. Product Features

A kind of transparent quartz glass material with high purity, high temperature and corrosion resistance, high thermal stability and mechanical properties, and a special treatment process for high transmittance (typically over 60%) in the ultraviolet region (185 nm). Strict dimensional tolerance and excellent appearance make the bulb have good shape.

III. Product Type

PQ182, High Ozone transparent quartz tube

IV. Typical Size

Unit:mm

OD Range	OD Tolerance	Wall Thickness	WT Tolerance	Out of Round	Siding	Bow
3 < Φ≤10	±0.1	1 ~ 2.0	±15%	2%	12%	0.15%
10 < Φ≤20	±0.2	1 ~ 2.5	±15%	1.25%	12%	0.15%
20 < Φ≤30	±0.25	1.5 ~ 3.0	±15%	1.25%	12%	0.15%
30 < Φ≤40	±0.35	1.5 ~ 4.0	±15%	1.25%	12%	0.15%
40 < Φ≤50	±0.2	2.0 ~ 4.0	±15%	1.25%	12%	0.15%
50 < Φ≤60	±0.5	2.5 ~ 5.0	±15%	1.25%	12%	0.15%
60 < Φ≤80	±0.7	3.0 ~ 5.5	±15%	1.25%	12%	0.15%
80 < Φ≤100	±0.8	3.0 ~ 10.0	±15%	1.25%	12%	0.15%



Remark: Customized size is available

V. Physical & Chemical Properties

i. Mechanical & Thermal Properties

Density (20°Ckg/m ³)	Thermal Expansion (200-300°C°C ⁻¹)	Softening Point (°C)	Annealing Point (°C)	Strain Point (°C)
2.2*10 ³	5.6*10 ⁻⁷	1670	1210	1110

ii.Impurity Value

Unit:ppm

Impurity	Na	K	Mg	Li	Ca	Fe	Al	Ti	Cu
Typical value	5.0	5.0	1.0	1.0	3.0	1.5	20	1.2	0.5

iii.OH content

Unit:ppm

Typical Value without Baking		After baking	
160		< 5, < 10, < 15 , < 20	

iv. Optical Properties

