



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
$3 < \Phi \leq 10$	± 0.1	1 ~ 2.0	$\pm 15\%$	2%	12%	0.15%
$10 < \Phi \leq 20$	± 0.2	1 ~ 2.5	$\pm 15\%$	1.25%	12%	0.15%
$20 < \Phi \leq 30$	± 0.25	1.5 ~ 3.0	$\pm 15\%$	1.25%	12%	0.15%
$30 < \Phi \leq 40$	± 0.35	1.5 ~ 4.0	$\pm 15\%$	1.25%	12%	0.15%
$40 < \Phi \leq 50$	± 0.2	2.0 ~ 4.0	$\pm 15\%$	1.25%	12%	0.15%
$50 < \Phi \leq 60$	± 0.5	2.5 ~ 5.0	$\pm 15\%$	1.25%	12%	0.15%
$60 < \Phi \leq 80$	± 0.7	3.0 ~ 5.5	$\pm 15\%$	1.25%	12%	0.15%
$80 < \Phi \leq 100$	± 0.8	3.0 ~ 10.0	$\pm 15\%$	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

