

ANTS Ceramics Pvt. Ltd.

Quartz Tubes



S.No.	Code	Quartz Tubes		
		Outside Diameter (mm)	Thickness (mm)	Price (USD)
1	Qtube 33	33	2.5	29
2	Qtube 35	35	2.5	31
3	Qtube 40	40	2.5	35
4	Qtube 45	45	2.5	88
5	Qtube 50	50	2.5	99
6	Qtube 60	60	2.5	127
7	Qtube 70	70	2.5	147
8	Qtube 80	80	2.5	167
9	Qtube 90	90	2.5	203
10	Qtube 95	95	2.5	225
11	Qtube 100	100	2.5	231
12	Qtube 105	105	2.5	255

Remark:

- 1 Above dimensions Quartz tubes are always maintained in stock.
- 2 Prices for Quartz tubes of dimensions other than above are available on request.
- 3 Since all our quartz tubes are imported from Germany and USA in large quantities, the rates are subject to vary depending on exchange rates and availability of stock, kindly confirm the rates before ordering
- 4 Maximum operating temperature for long quartz tubes is 1200 C and continuous operating temp is 1150 C They can take vacuum upto 10^{-3} Torr at 1000 C and an internal pressure upto 2 Kg at 1000 C.
- 5 Quartz undergoes phase inversion to cristobalite phase at about 1200°C. This inversion is accompanied by a large change in density and can result in spalling and possible mechanical failure. This inversion is also called Devitrification. Devitrification is a two step process of nucleation and growth. In general, the devitrification rate of fused quartz is slow for two reasons: the nucleation of the cristobalite phase is possible only at the free surface, and the growth rate of the crystalline phase is low. However devitrification is very much dependent on tube handling and usage at high temperature.
- 6 Clean the surface of tube properly before and after use to slow divitrification.
- 7 **The tubes are also available with cone socket joints, flanges at additional cost.**
- 8 **Custom Quartz set-up are also available made from Glass Blowing of tubing.**
- 9 **Quartz Rods and substartes are available on request.**