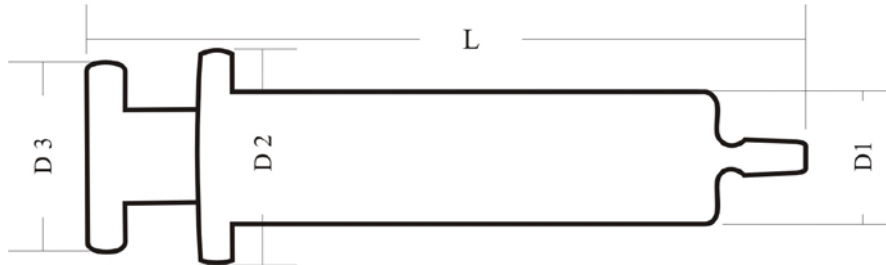


GLASS TIP 50 c.c. Volume Product Specifications



Description

50 c.c. Glass Syringe-Interchangeable borosilicate glass syringe with permanently fused graduations and unique identifier. Reinforced flanges are flat on two sides to avoid rolling.

Dimensions

Barrel Diameter Outside (D1)	31.70 mm \pm 0.90 mm
Barrel Collar Diameter (D2)	44.75 mm \pm 1.50 mm
Plunger Collar Diameter (D3)	34.30 mm \pm 1.50 mm
Length (L)	167.80 mm \pm 2.00 mm
Volume	50 c.c.

Glass Properties

Expansion Coefficient	4.9 + 1.00 / centigrade
Density	2.34g \pm 02g /cm ³
Water Resistance	First Class
Acid Resistance	First Class
Alkali Resistance	First Class
Softening Point	785°C
Melting Temperature	1160°C
Annealing Point	565°C
Color	Clear

- The glass syringe is made from heat resistant Borosilicate glass type 1.
- The material and construction is resistant to breakage from shock and sudden temperature changes.
- The product is annealed and tested until it is free from internal strain, to withstand the repeated hot water washing.
- Reinforced at glass slip and barrel base, the points at which most breakage occurs.
- Each plunger is individually ground and fitted to barrel for smooth movement without reverse flow.
- The Barrel rim is flat on both sides to prevent its rolling. Thus it is wide enough for convenient fingertip grip.
- The syringe is clearly marked with graduations which are permanently fused for lifetime legibility.
- Conforms ISO 594-1 and ISO 594-2
- Manufacturing/Engineering drawings of File (confidential)