

GLASS FLOW CONTROL TUBES



APPLICATIONS

For over 25 years, Accu-Glass has supplied precision bore glass flow restrictors where it is critical to maintain a precise flow rate. By example, Accu-Glass flow restrictors are commonly used in:

- Medication infusion pumps for ambulatory drug therapy
- Regulating the flow of gases in a number of applications where flow control is essential
- Flush devices used with disposable blood pressure transducers

ADVANTAGES OF GLASS

Glass is used as a flow restrictor due to its unique properties:

- Inert and has minimal interaction with drugs, gases, and solvents
- Dimensionally stable due to a low coefficient of expansion
- Environmentally safe and is unchanged by sterilization, storage or further processing

Accu-Glass flow restrictors are produced from molten glass, which is first drawn into tubing. The inside diameter (ID) can be manufactured as small as 0.001 inch (0.025mm) and controlled to ± 0.00004 inch (0.001mm). Application of Poiseuille's Law permits the consideration of ID, length, and pressure to design a flow restrictor best suited for the application.

VALUE ADDED PROCESSES

After the flow restrictors are cut to length, Accu-Glass can perform a number of secondary operations that provide enhanced value:

- 100% automated flow testing
- Color coding to identify different flow rates
- Special or custom packaging available such as vacuum sealing