



TOQUARTZ

Product Catalog

TOQUARTZ®

Clear Window Quartz Flow-Through Cuvette

Integrated Engineering & Agile Production
for Demanded Specifications





TOQUARTZ® CLEAR WINDOW QUARTZ FLOW-THROUGH CUVETTE

TOQUARTZ® is a specialized manufacturer of high-purity quartz products based in China, serving global B2B clients in laboratory instrumentation, biomedical research, and environmental monitoring. With in-house engineering support and flexible production capabilities, we offer both standard and custom TOQUARTZ® Clear Window Quartz Flow-Through Cuvette with fast delivery and consistent quality.



Product Overview

TOQUARTZ® Clear Window Quartz Flow-Through Cuvettes are precision optical components designed for continuous measurement applications in UV-Visible and fluorescence spectroscopy. Manufactured from high-purity fused silica, these cuvettes provide exceptional optical transmission, chemical resistance, and thermal stability.



TOQUARTZ® CLEAR WINDOW QUARTZ FLOW-THROUGH CUVETTE



Key Features

- Superior Optical Performance: High transmission from 200-2500nm
- Precision Flow Channel: Optimized for bubble-free operation and consistent results
- Chemical Resistance: Compatible with most acids, bases, and organic solvents
- Reliable Connections: Integrated quartz glass tubes for secure fluid handling
- Customization Options: Various pathlengths, dimensions, and connection configurations



TOQUARTZ® CLEAR WINDOW QUARTZ FLOW-THROUGH CUVETTE



Applications

- Continuous monitoring of reaction kinetics
- Online process analysis and quality control
- Flow injection analysis systems
- Environmental and water quality testing
- Biological and biochemical analysis
- Pharmaceutical development and production





TECHNICAL SPECIFICATIONS

Physical Properties

- Cell body dimensions: 12.5mm × 12.5mm × 45mm
- **Standard pathlengths:** 1mm, 2mm, 10mm
- **Internal volume:** [Varies by pathlength]
- **Connection tubes:** 4mm OD / 2mm ID quartz glass

Optical Properties

- **Transmission range:** 200-2500nm
- **Material:** High-purity fused silica (>99.99% SiO₂)
- **Surface finish:** Optical polish on windows
- **Optical homogeneity:** $<5 \times 10^{-6}$

Chemical Properties

- Resistant to most acids, bases, and organic solvents
- **Operating pH range:** 1-14
- **Maximum pressure:** 5 bar at ambient temperature



SIZE CHART



350µl Quartz Flow Cuvette, Dual-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008	350µl Quartz Flow Cuvette, Dual-Sided Transmission	1mm	350µl	12.5x3.5x35mm



SIZE CHART



350µl Quartz Flow Cuvette, Four-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-1	350µl Quartz Flow Cuvette, Four-Sided Transmission	1mm	350µl	12.5x3.5x35mm



SIZE CHART



700µl Quartz Flow Cuvette, Dual-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-2	700µl Quartz Flow Cuvette, Dual-Sided Transmission	2mm	700µl	12.5x4.5x35mm



SIZE CHART



700µl Quartz Flow Cuvette, Four-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-3	700µl Quartz Flow Cuvette, Four-Sided Transmission	2mm	700µl	12.5x4.5x35mm



SIZE CHART



1400µl Quartz Flow Cuvette, Dual-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-4	1400µl Quartz Flow Cuvette, Dual-Sided Transmission	3mm	1400µl	12.5x6.5x45mm



SIZE CHART



1400µl Quartz Flow Cuvette, Four-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-5	1400µl Quartz Flow Cuvette, Four-Sided Transmission	3mm	1400µl	12.5x6.5x45mm



SIZE CHART



1750µl Quartz Flow Cuvette, Dual-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-6	1750µl Quartz Flow Cuvette, Dual-Sided Transmission	5mm	1750µl	12.5x7.5x45mm



SIZE CHART

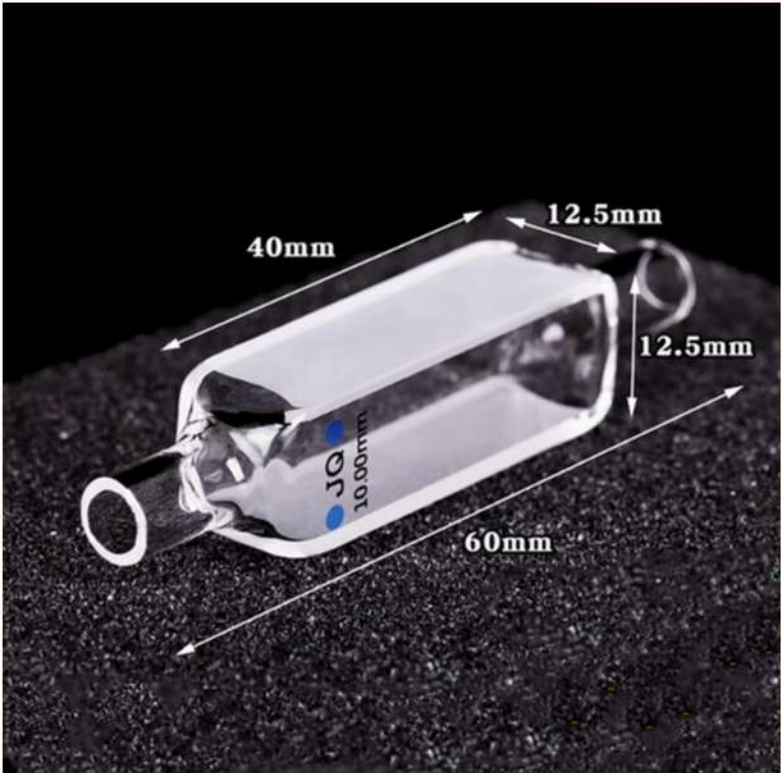


1750µl Quartz Flow Cuvette, Four-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-7	1750µl Quartz Flow Cuvette, Four-Sided Transmission	5mm	1750µl	12.5x7.5x45mm



SIZE CHART



3500µl Quartz Flow Cuvette, Dual-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-8	3500µl Quartz Flow Cuvette, Dual-Sided Transmission	10mm	3500µl	12.5x12.5x40 mm



SIZE CHART



3500µl Quartz Flow Cuvette, Four-Sided Transmission

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8008-9	3500µl Quartz Flow Cuvette, Four-Sided Transmission	10mm	3500µl	12.5x12.5x40 mm



SIZE CHART



Specialized Quartz Flow Cuvette

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8014-1	Specialized Quartz Flow Cuvette	10mm	/	12x12x20mm



SIZE CHART



3.5ml Quartz Flow-Through Cuvette with Small Glass Tubes, Dual Optical Windows (OD4/ID2)

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8015	3.5ml Quartz Flow-Through Cuvette with Small Glass Tubes, Dual Optical Windows (OD4/ID2)	10mm	3500μl	12.5×12.5×45 mm



SIZE CHART

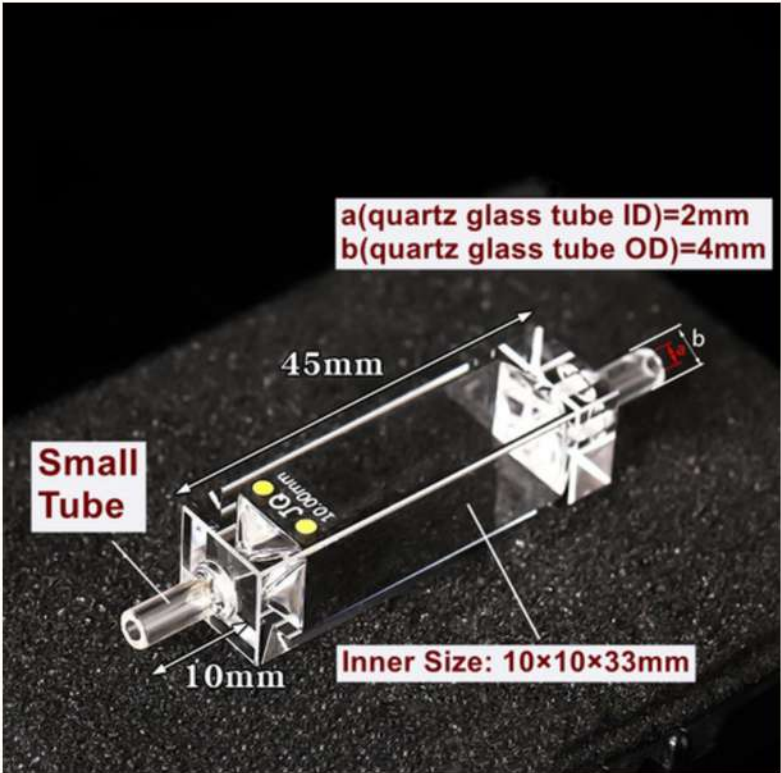


3.5ml Quartz Flow-Through Cuvette with Large Glass Tubes, Dual Optical Windows (OD5/ID3)

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8015-1	3.5ml Quartz Flow-Through Cuvette with Large Glass Tubes, Dual Optical Windows (OD5/ID3)	10mm	3500μl	12.5x12.5x45 mm



SIZE CHART

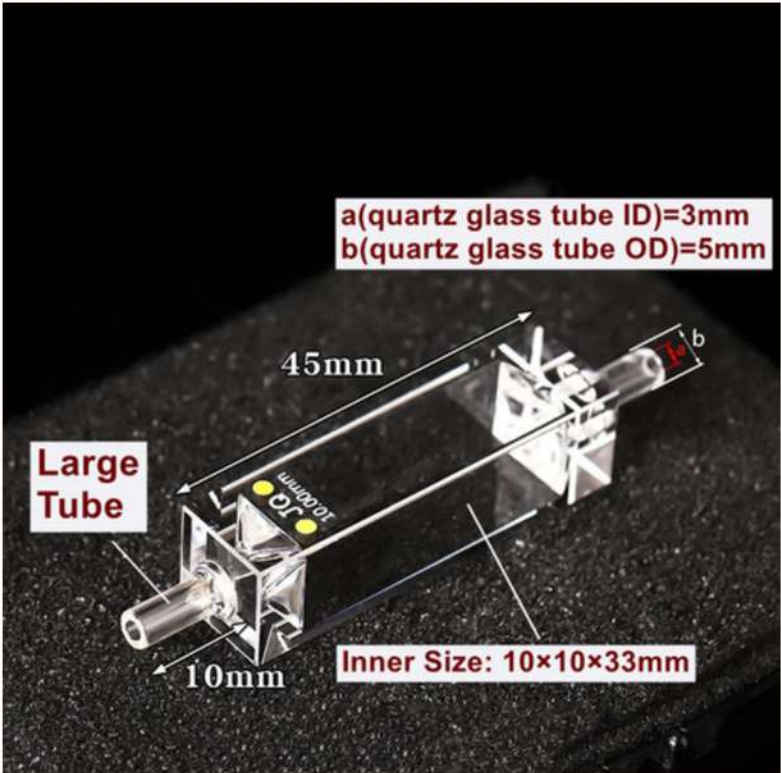


3.5ml Quartz Flow-Through Cuvette with Small Glass Tubes, Four Optical Windows (OD4/ID2)

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8015-2	3.5ml Quartz Flow-Through Cuvette with Small Glass Tubes, Four Optical Windows (OD4/ID2)	10mm	3500μl	12.5x12.5x45 mm



SIZE CHART



3.5ml Quartz Flow-Through Cuvette with Large Glass Tubes, Four Optical Windows (OD5/ID3)

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8015-3	3.5ml Quartz Flow-Through Cuvette with Large Glass Tubes, Four Optical Windows (OD5/ID3)	10mm	3500μl	12.5x12.5x45 mm



SIZE CHART



Quartz Flow-Through Cuvette Cell, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8018	Quartz Flow-Through Cuvette Cell, Path Length 1mm	1mm	860μl	25x4x45mm



SIZE CHART



Quartz Flow-Through Cuvette Cell, Path Length 2mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8018-1	Quartz Flow-Through Cuvette Cell, Path Length 2mm	2mm	1720μl	25x5x45mm



SIZE CHART



Laboratory Quartz Flow-Through Cuvette, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8019	Laboratory Quartz Flow-Through Cuvette, Path Length 1mm	1mm	1200μl	25x5x66mm



SIZE CHART

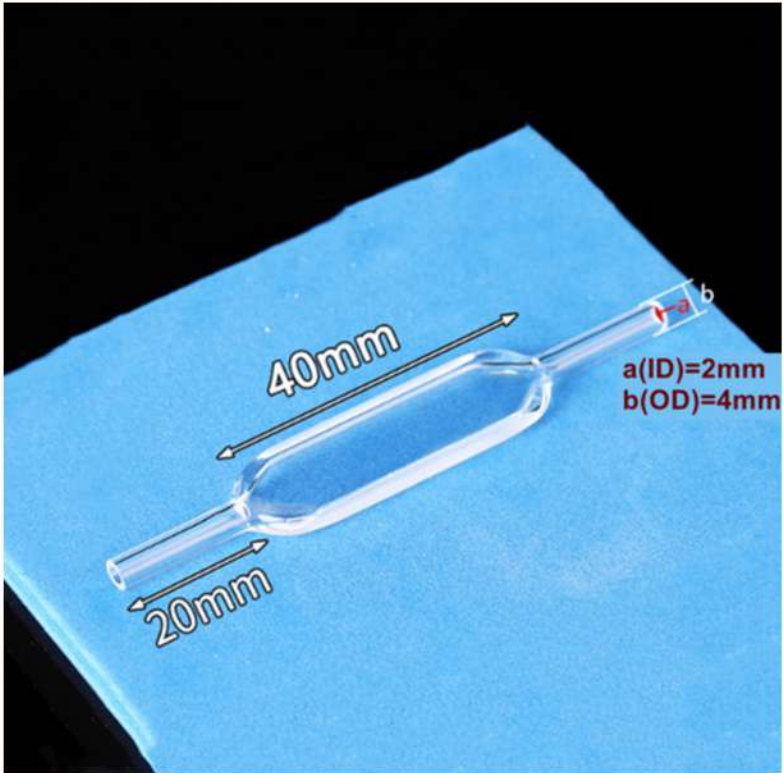


Quartz Flow-Through Cuvette, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020	Quartz Flow-Through Cuvette, Path Length 1mm	1mm	/	10x3.5x45mm



SIZE CHART

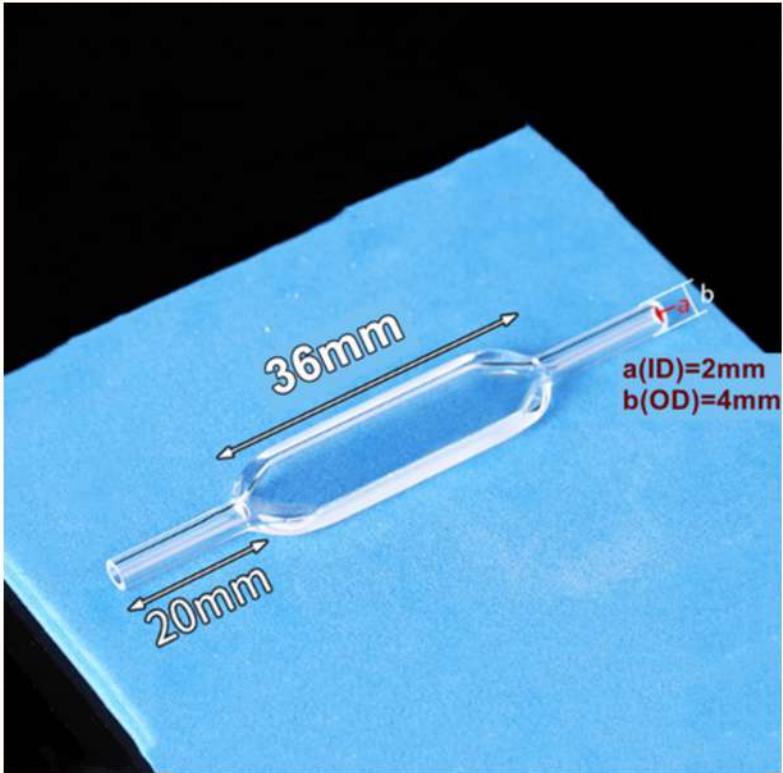


Quartz Flow-Through Cuvette Sample Cell, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-1	Quartz Flow-Through Cuvette Sample Cell, Path Length 1mm	1mm	/	12.5x3.5x40mm



SIZE CHART



Quartz Flow-Through Cell, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-2	Quartz Flow-Through Cell, Path Length 1mm	1mm	/	12.5x3.5x36mm



SIZE CHART



35µl Quartz Flow-Through Cuvette, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-3	35µl Quartz Flow-Through Cuvette, Path Length 1mm	1mm	35µl	12.5x3.5x45mm



SIZE CHART

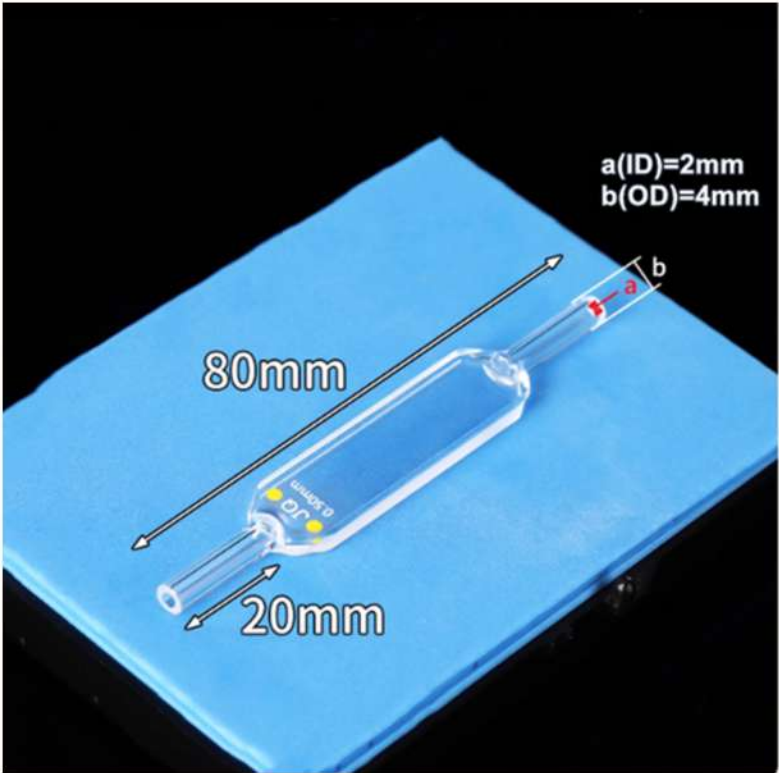


70µl Quartz Flow-Through Cuvette, Path Length 1mm

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-4	70µl Quartz Flow-Through Cuvette, Path Length 1mm	1mm	70µl	12.5x3.5x45mm



SIZE CHART

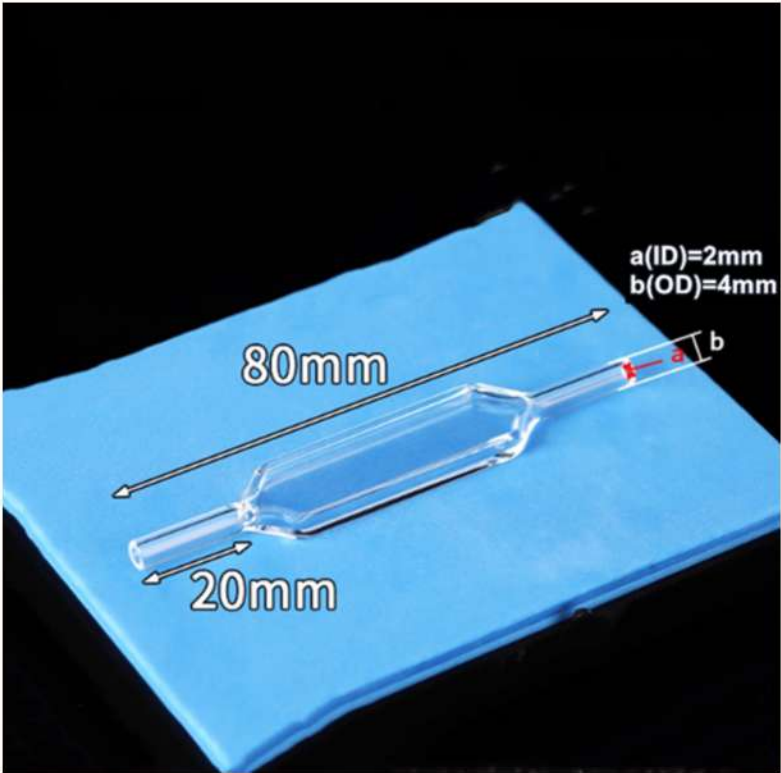


170µl Quartz Flow-Through Cuvette, Dual Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-5	170µl Quartz Flow-Through Cuvette, Dual Optical Windows	0.5mm	170µl	12.5x3x40mm



SIZE CHART



700µl Quartz Flow-Through Cuvette, Four Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-6	700µl Quartz Flow-Through Cuvette, Four Optical Windows	2mm	700µl	12.5x4.5x40mm



SIZE CHART



1050µl Quartz Flow-Through Cuvette, Dual Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-7	1050µl Quartz Flow-Through Cuvette, Dual Optical Windows	3mm	1050µl	12.5x5.5x40mm



SIZE CHART



1050µl Quartz Flow-Through Cuvette, Four Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-8	1050µl Quartz Flow-Through Cuvette, Four Optical Windows	3mm	1050µl	12.5x5.5x40mm



SIZE CHART

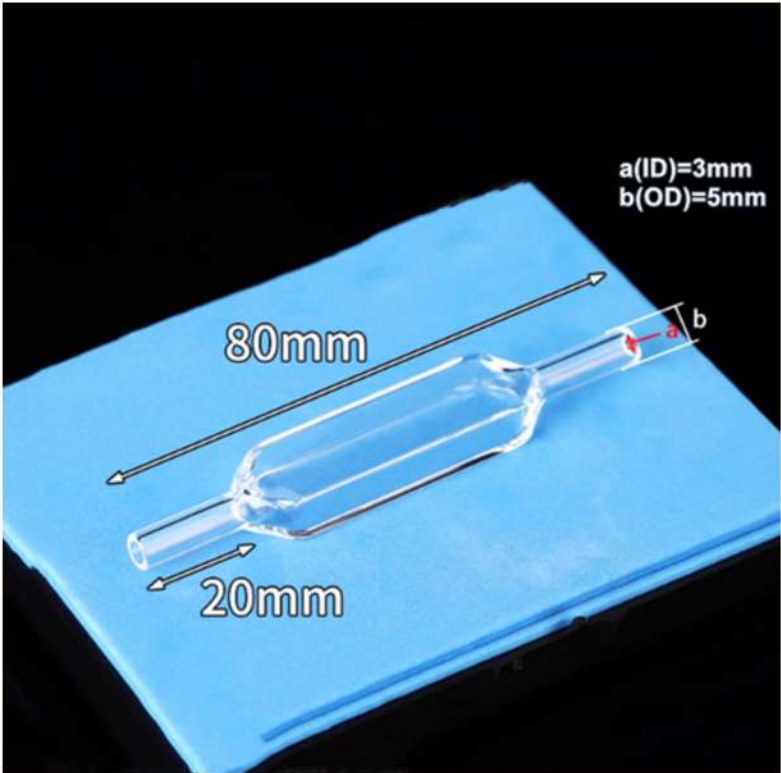


1750µl Quartz Flow-Through Cuvette, Dual Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-9	1750µl Quartz Flow-Through Cuvette, Dual Optical Windows	5mm	1750µl	12.5x7.5x40mm



SIZE CHART

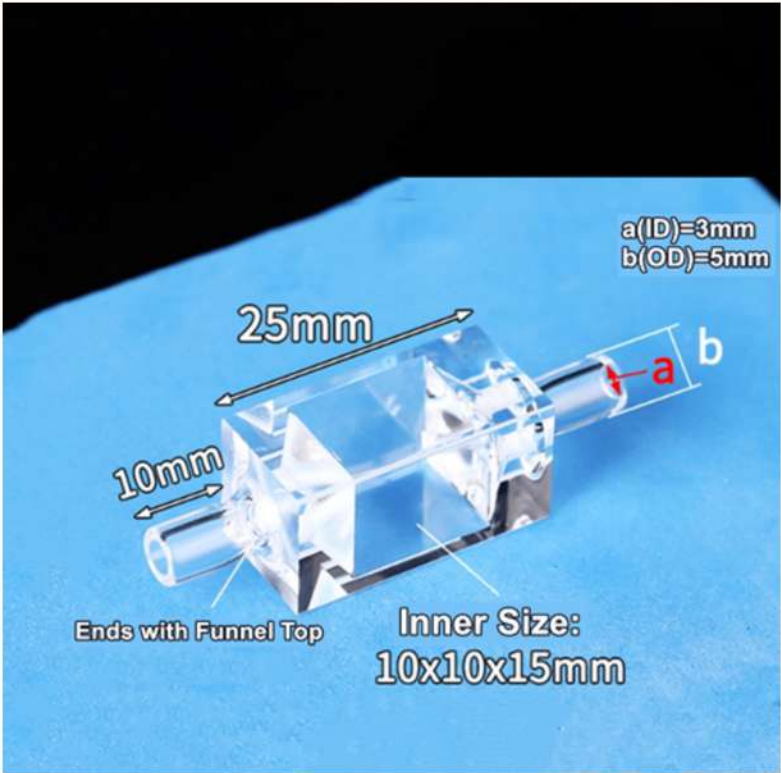


1750µl Quartz Flow-Through Cuvette, Four Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-10	1750µl Quartz Flow-Through Cuvette, Four Optical Windows	5mm	1750µl	12.5x7.5x40mm



SIZE CHART

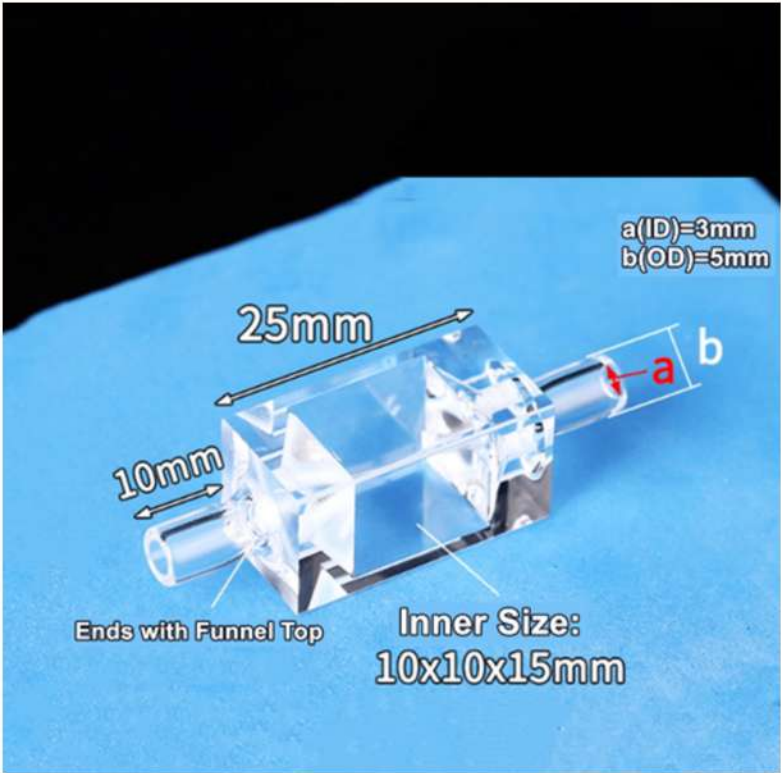


1500µl Quartz Flow-Through Cuvette, Dual Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-11	1500µl Quartz Flow-Through Cuvette, Dual Optical Windows	10mm	1500µl	12.5x12.5x25 mm



SIZE CHART

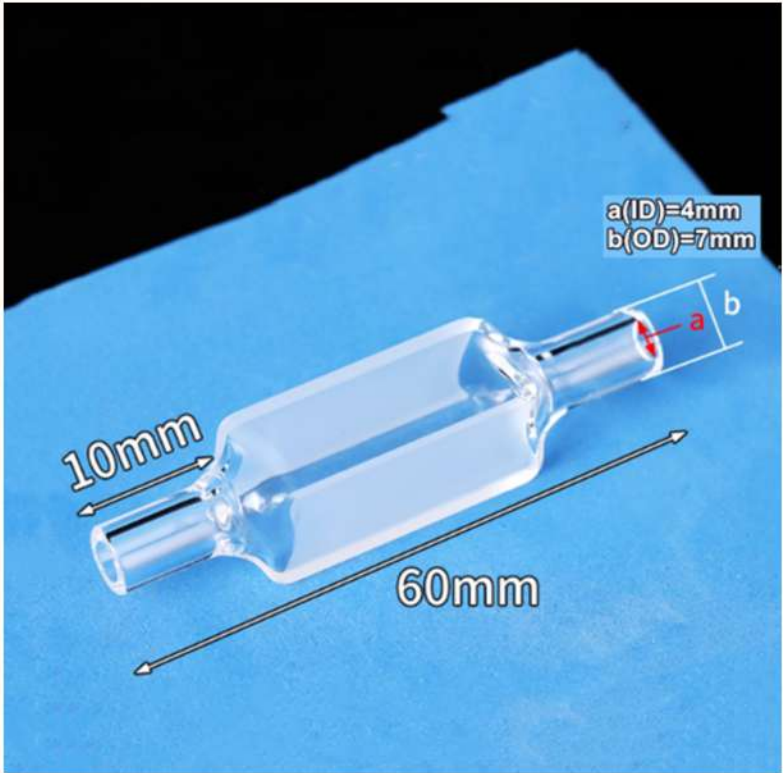


1500µl Quartz Flow-Through Cuvette, Four Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-12	1500µl Quartz Flow-Through Cuvette, Four Optical Windows	10mm	1500µl	12.5x12.5x25 mm



SIZE CHART



3500µl Quartz Flow-Through Cuvette, Dual Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-13	3500µl Quartz Flow-Through Cuvette, Dual Optical Windows	10mm	3500µl	12.5x12.5x30 mm



SIZE CHART

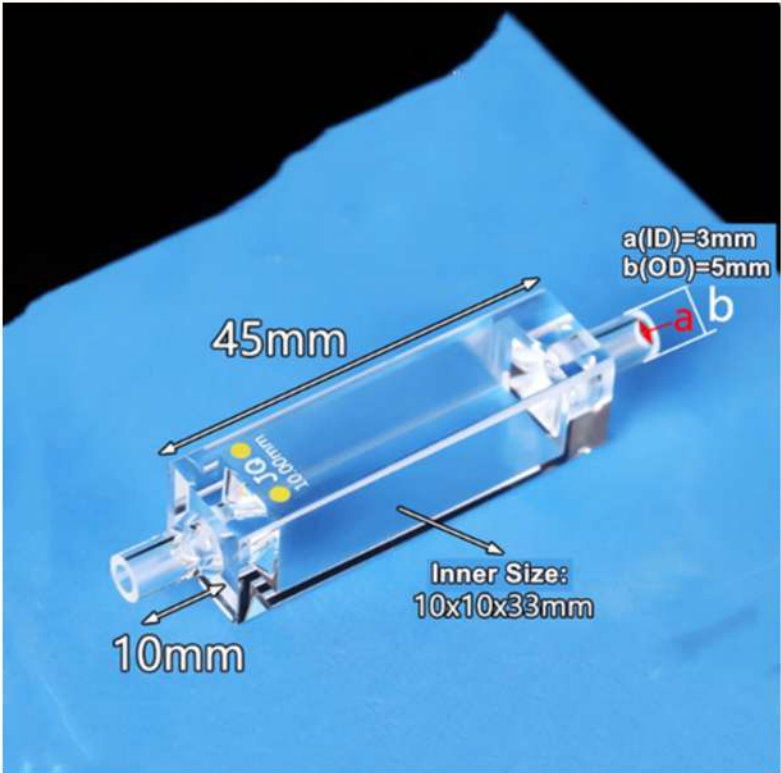


3500µl Quartz Flow-Through Cuvette, Four Optical Windows

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8020-14	3500µl Quartz Flow-Through Cuvette, Four Optical Windows	10mm	3500µl	12.5x12.5x30 mm



SIZE CHART



3500µl Quartz Flow-Through Cuvette, Dual Optical Channels

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8022	3500µl Quartz Flow-Through Cuvette, Dual Optical Channels	10mm	3500µl	12.5x12.5x45 mm



SIZE CHART

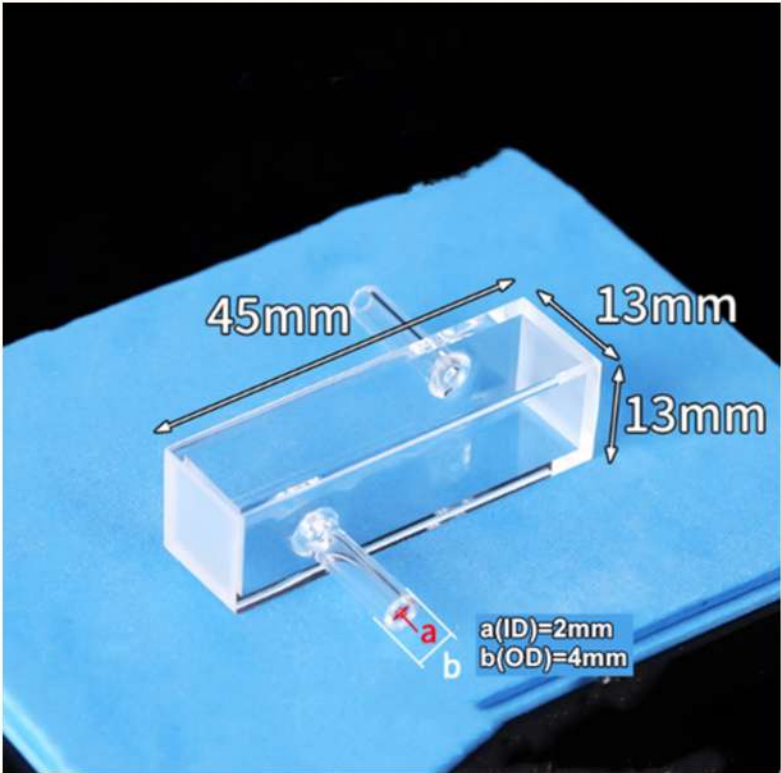


1000µl Quartz Flow-Through Cuvette, Four Optical Channels

Model	Description	Slit	Volume	Outline Dimension
AT-BSM-8022-1	1000µl Quartz Flow-Through Cuvette, Four Optical Channels	3mm	1000µl	12.5x12.5x45 mm



SIZE CHART

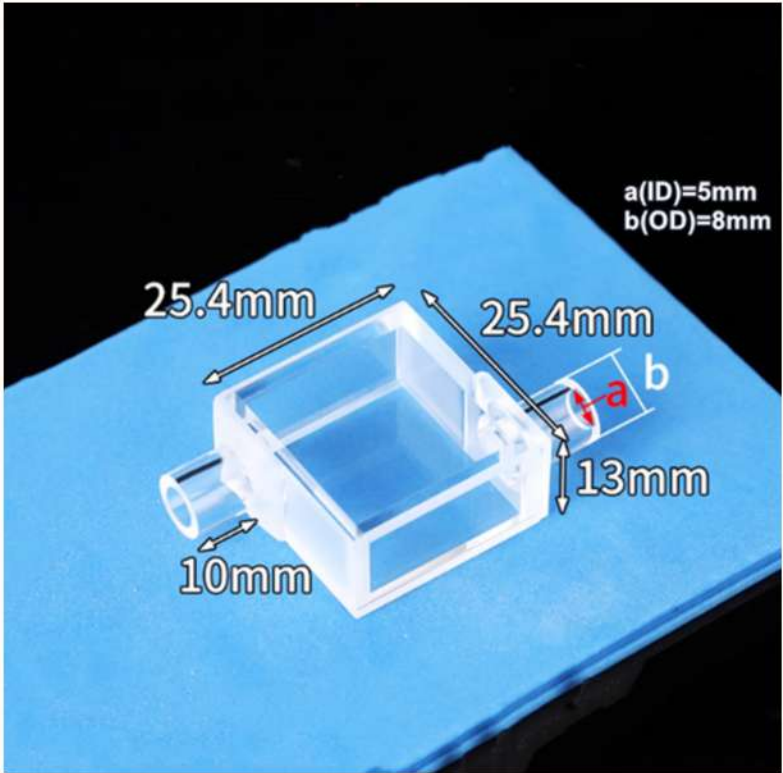


4000µl Quartz Flow-Through Cuvette, Four Optical Channels

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8022-2	4000µl Quartz Flow-Through Cuvette, Four Optical Channels	10mm	4000µl	13x13x45mm



SIZE CHART

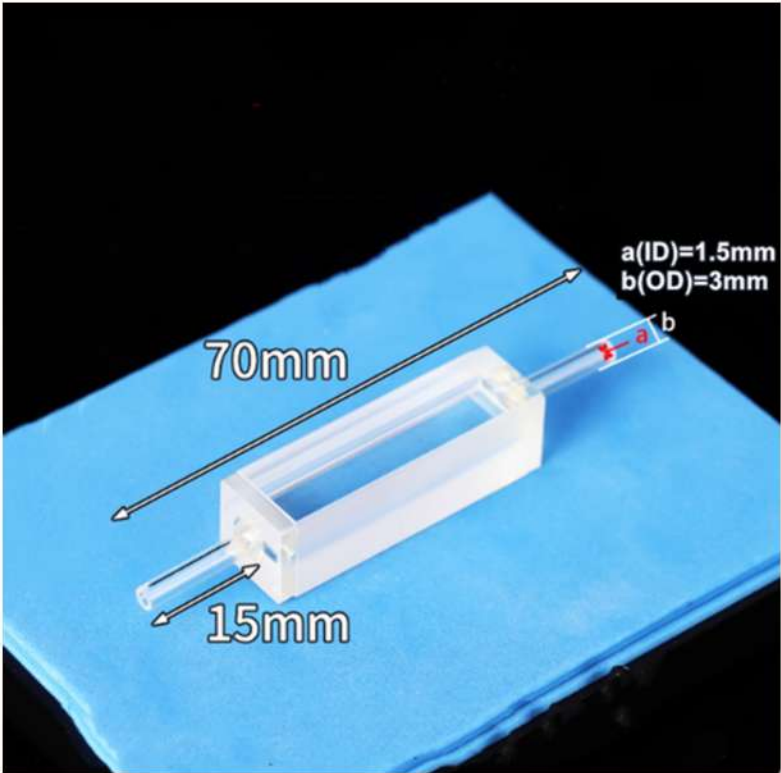


21.4mm/9mm Pathlength Quartz Flow Cell, Four Optical Windows

Model	Description	Path Length	Wall Thickness	Outline Dimension
AT-BSM-8022-3	21.4mm/9mm Pathlength Quartz Flow Cell, Four Optical Windows	21.4mm/9mm	2mm	25.4x25.4x13 mm



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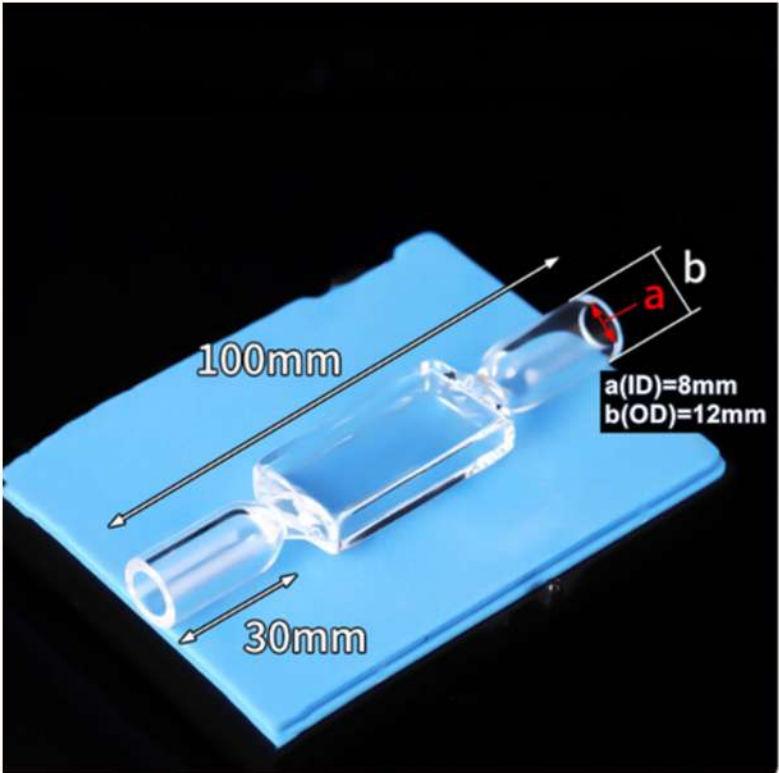


2mm Pathlength Quartz Flow-Through Cuvette, Dual Optical Ports

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8022-4	2mm Pathlength Quartz Flow-Through Cuvette, Dual Optical Ports	2mm	/	40x10x10mm



SIZE CHART

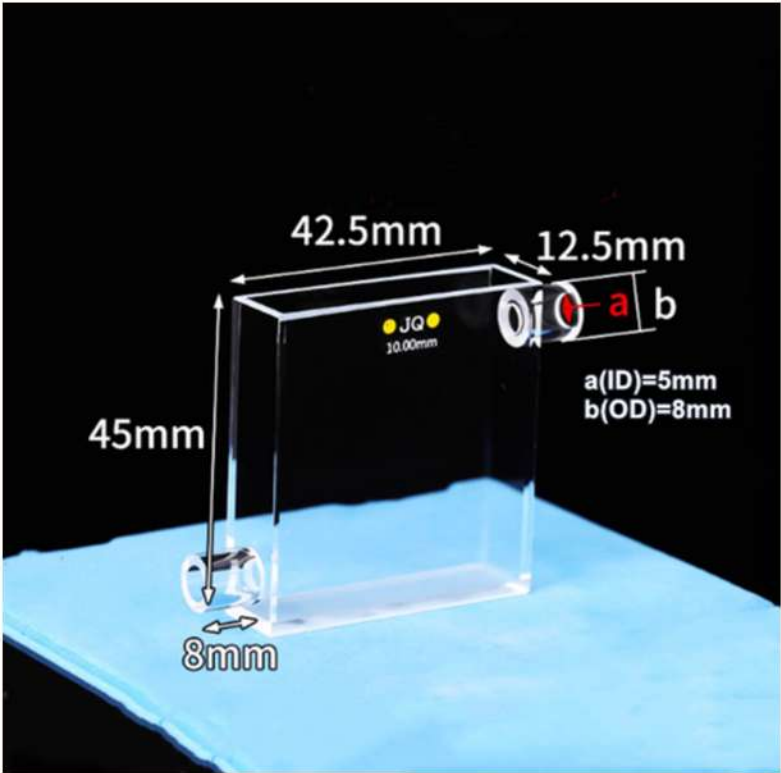


Quartz Flow-Through Cuvette with Four Optical Windows

Model	Description	Path Length	Wall Thickness	Outline Dimension
AT-BSM-8022-5	Quartz Flow-Through Cuvette with Four Optical Windows	/	2mm	40x20x8mm



SIZE CHART

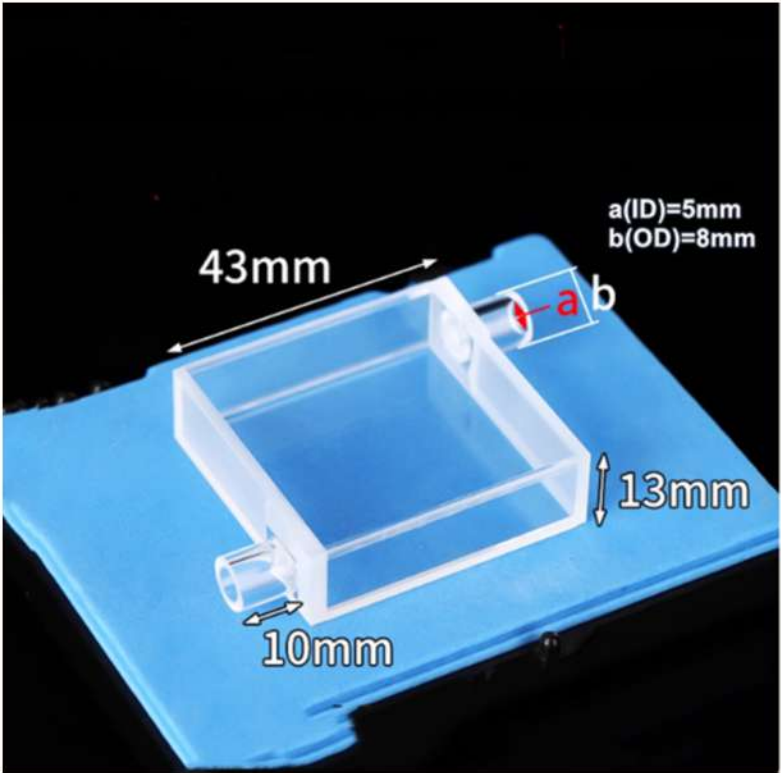


4000µl Quartz Flow Cell, Four Optical Channel Configuration

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8022-6	4000µl Quartz Flow Cell, Four Optical Channel Configuration	40mm/10 mm	/	42.5x12.5x45 mm



SIZE CHART

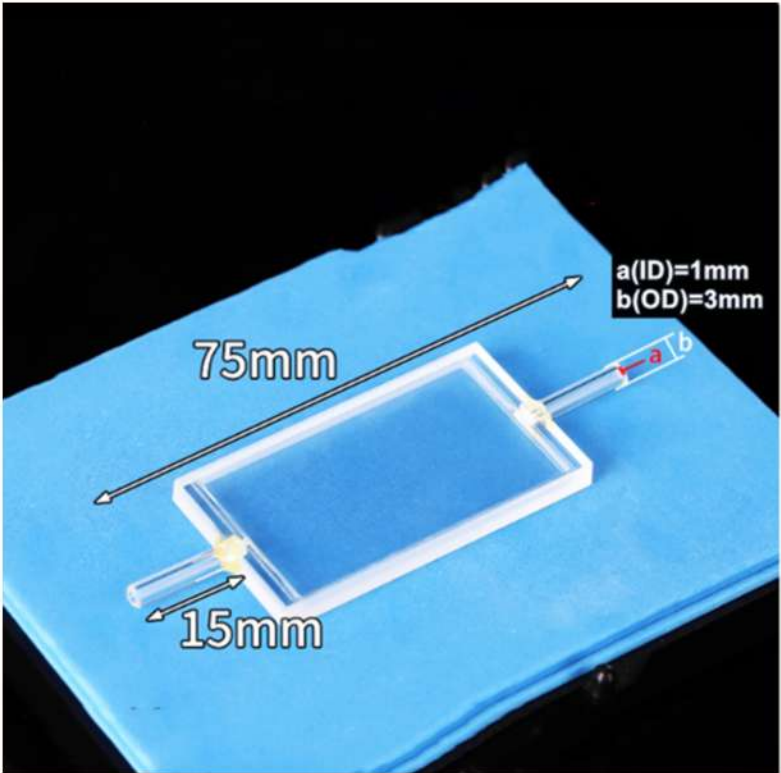


40mm/10mm Pathlength Quartz Flow-Through Cell, Four Optical Windows

Model	Description	Path Length	Wall Thickness	Outline Dimension
AT-BSM-8022-7	40mm/10mm Pathlength Quartz Flow-Through Cell, Four Optical Windows	40mm/10 mm	1.5mm	43x43x13mm



SIZE CHART

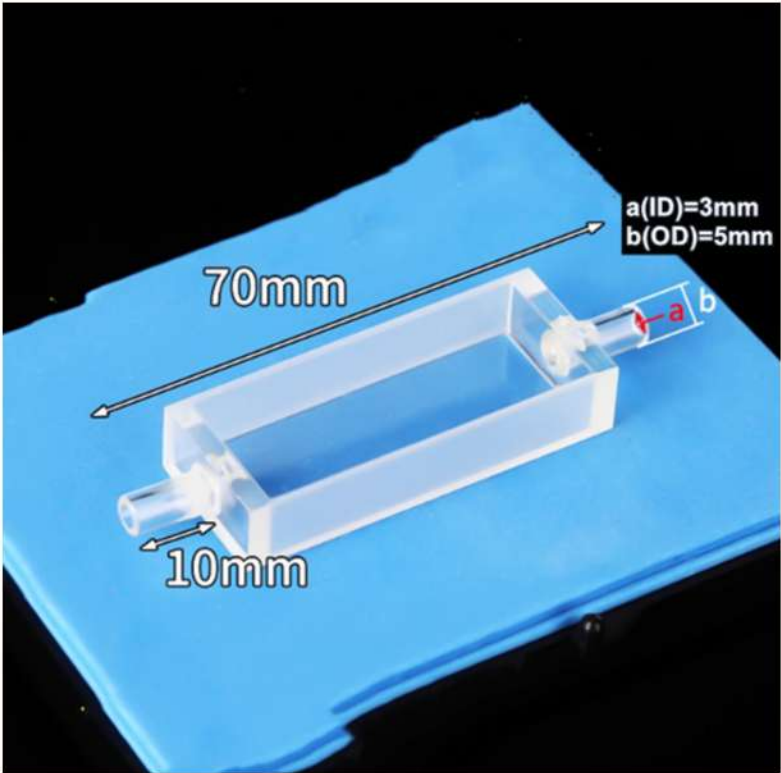


1mm Pathlength Quartz Flow Cuvette, Dual Optical Ports

Model	Description	Path Length	Inner Width	Outline Dimension
AT-BSM-8022-8	1mm Pathlength Quartz Flow Cuvette, Dual Optical Ports	1mm	22mm	45x25x4mm



SIZE CHART

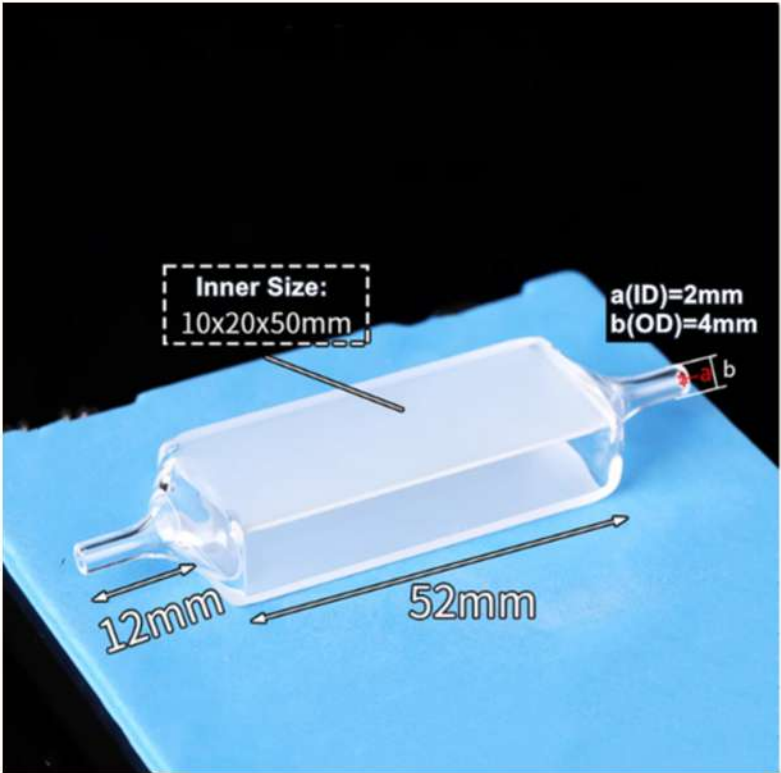


8mm Pathlength Quartz Flow Cell, Dual Optical Channels

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8022-9	8mm Pathlength Quartz Flow Cell, Dual Optical Channels	8mm	/	50x20x10mm



SIZE CHART

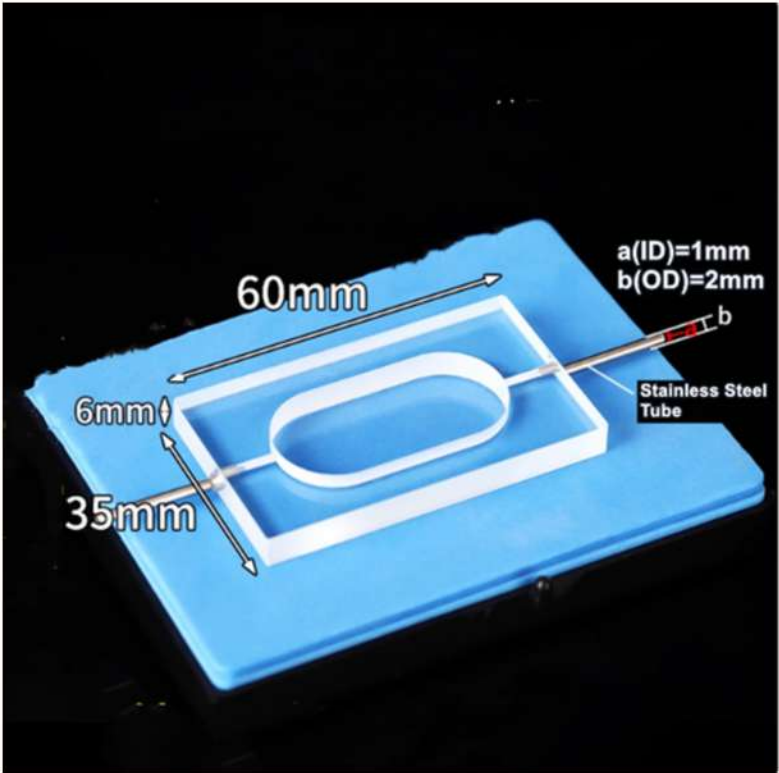


20mm Pathlength Quartz Flow Cell, Dual Optical Ports

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8022-10	20mm Pathlength Quartz Flow Cell, Dual Optical Ports	20mm	10000μl	52x12x22mm



SIZE CHART

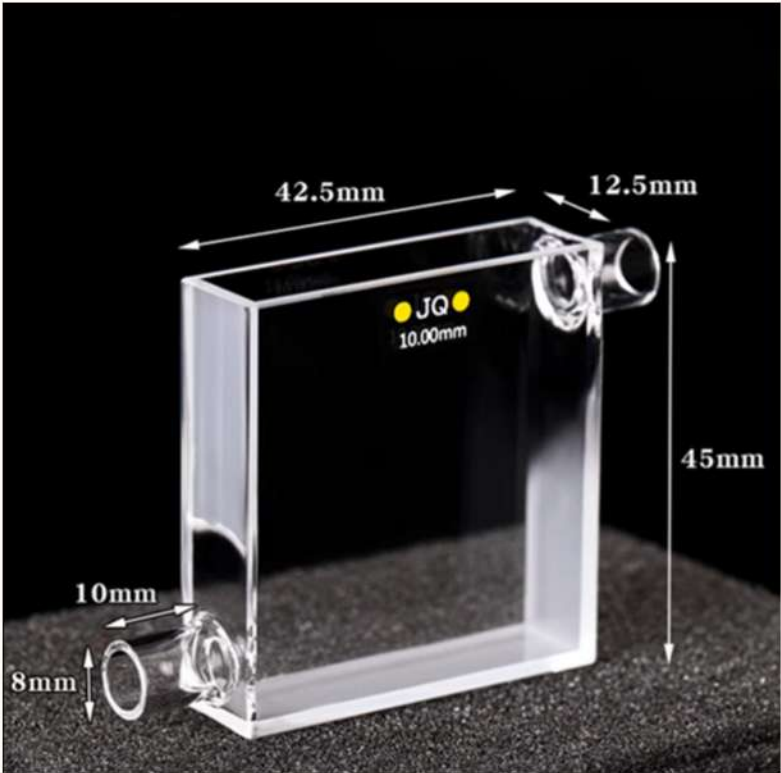


Quartz Flow-Through Cuvette, Dual Optical Channels

Model	Description	Path Length	Inner Width	Outline Dimension
AT-BSM-8022-12	Quartz Flow-Through Cuvette, Dual Optical Channels	1mm	22mm	66x25x5mm



SIZE CHART



14000µl Large Volume Quartz Flow-Through Cuvette

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8031-1	14000µl Large Volume Quartz Flow-Through Cuvette	10mm	14000µl	42.5x12.5x45 mm



SIZE CHART



60µl Quartz Flow-Through Cuvette, 2mm Optical Path

Model	Description	Path Length	Volume	Outline Dimension
AT-BSM-8032	60µl Quartz Flow-Through Cuvette, 2mm Optical Path	2mm	60µl	6x10x18mm



SIZE CHART



Custom Pathlength Quartz Flow-Through Cuvette

Model	Description	Path Length	Wall Thickness	Outline Dimension
AT-BSM-8043	Custom Pathlength Quartz Flow-Through Cuvette	/	4mm	38x38x18mm



SIZE CHART



Top-Open Quartz Flow Cell with Dual Tubing Ports

Model	Description	Path Length	Windows	Outline Dimension
AT-BSM-8045	Top-Open Quartz Flow Cell with Dual Tubing Ports	1mm	2	Length: 35mm Quartz glass tube inner dia.: 2mm Quartz glass tube outer dia.: 4mm



CUSTOM ENGINEERING SERVICES

Customization Services Our engineering team provides comprehensive customization options to meet your specific requirements:

- Custom pathlengths from 0.1mm to 100mm
- Modified window dimensions and thickness
- Specialized flow channel geometries
- Alternative connection configurations
- Enhanced pressure ratings
- Material variants for specific applications



QUALITY ASSURANCE

Each TOQUARTZ Quartz Cuvette undergoes rigorous quality control testing:

- **Dimensional Verification:** Precision measurement of all critical dimensions
- **Optical Transmission Testing:** Verification of spectral transmission properties
- **Surface Quality Inspection:** Microscopic examination of polished surfaces
- **Paired Performance Testing:** Validation of optical consistency

Contact Information

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For technical specifications, custom requirements, or pricing information, please contact our sales team.