

QSC-50A Saccharometer Assembly

50mL Gasometric Glassware for Phosphate Bath Accelerator Control

The QSC-50A is a precision fabricated saccharometer assembly used for routine accelerator testing on metal pre-treatment lines. It supports gasometric methods where reaction-generated gas displacement is read in the graduated insert and recorded as accelerator points for bath control.

Built for production bath control

Reliable support for legacy procedures — Useful when an existing branded assembly is discontinued, hard to source, broken, or missing from the line-side QC station.



QSC-50A assembly shown with glass body, graduated insert sleeve, and stopper.

What it is used for

- **Nitrite accelerator checks**
For zinc phosphate pretreatment baths where accelerator is managed by gas points.
- **Legacy procedure support**
Replacement support for Henkel, Loctite, and BONDER-ITE style saccharometer procedures.
- **Routine line-side QC**
For e-coat, powder coating, and industrial paint pretreatment lines.
- **SOP-friendly documentation**
Operators can read, record, and trend accelerator points using the plant method.

REPLACEMENT SUPPORT:

Send a photo of the current assembly, any legacy part number, and the bath chemistry code. Astraglass can help confirm the correct replacement path.

Why coating lines specify this glassware

- **Readable gas displacement**
Graduated insert supports fast measurement and recording of accelerator points.
- **Replacement path**
Supports facilities replacing discontinued or hard-to-source branded saccharometer assemblies.
- **Process control confidence**
Helps operators maintain the accelerator window called out by chemistry and plant SOP.
- **Production environment fit**
Built for repeated operator handling in manufacturing QC areas.
- **U.S. glass fabrication**
Manufactured by Astraglass for consistent quality, practical replacement availability, and responsive support.
- **Technical support**
Cross-reference help available when customers provide photos, legacy part numbers, or bath chemistry codes.

Designed for line-side phosphate bath QC

A practical replacement assembly for production teams controlling phosphate pretreatment before coating, forming, or finishing.

Typical applications

- Zinc phosphate pretreatment before paint, powder coating, or e-coat
- Automotive component, stamping, chassis, bracket, and metal finishing plants
- Appliance, HVAC, metal furniture, racking, shelving, and general fabrication plants
- Fastener, wire, tube, cold heading, and cold forming operations using phosphate lubricant systems
- Process control labs and pretreatment service teams supporting production bath control

Replacement support

Have a discontinued or hard-to-source assembly? Send the current assembly photo, legacy part number, bath chemistry code, and method reference. Astraglass can help review the replacement path.

Note on product name

This QSC-50A saccharometer is for industrial gasometric accelerator testing. It is not a beverage sugar or Brix saccharometer.

How the gasometric accelerator test works

1

FILL

Bath sample is added to the assembly according to the plant method.

2

ADD REAGENT

Reagent is added according to the current supplier TDS or internal SOP.

3

INVERT AND REACT

The reaction generates gas that displaces liquid in the measuring tube.

4

READ AND RECORD

The operator reads the volume as accelerator points for bath control.

Ordering Information:

ITEM#	NOMINAL SIZE	ASSEMBLY INCLUDES	REQUEST SUPPORT
QSC-50A	50 mL	Glass body, graduated insert, sleeve, and stopper	sales@astraglassinnov.com

Important note: Verify all reagent amounts, operating windows, and method details against the current bath supplier technical data sheet and your plant SOP. BONDERITE, Henkel, and Loctite are trademarks of their respective owners. Astraglass Innovations is not affiliated with or endorsed by those trademark owners.