SPRING-LESS VALVE

MICROLIT SCITUS

Bottle Top Dispenser with
Springless Valve™ Technology

ISO 17025

ISO 9001

UK
ISO 13485

We are World Leaders in Bottle Top Dispensing Technology

MICROLIT SCITUS is a Bottle Top Dispenser (BTD) that offers a simple, cost-effective blend of sophisticated features and functionality.

Built by our in-house team of product design engineers, it uses Springless Valve™, an award winning technology, that ensures smooth functioning.

MICROLIT SCITUS also features two product innovations, EasyKnob™ and FlexiNozzle™ that enhance its ease of use and flexibility.

Designed with ergonomics and intuitive handling in mind, it exhibits excellent chemical compatibility and helps achieve precision with reliability in practical laboratory environments.

Experience the Power of Precision in Your Daily Laboratory Routine

Change Volume with EasyKnob™

EasyKnob™ is a specially designed volume adjustment knob that allows 180° rotation for easy and effortless volume setting.

Move Effortlessly with a PTFE Piston

A PTFE Piston with an ETP O-Ring facilitates smooth and effortless movement and ensures high chemical compatibility.

Operate Jam-free with Springless Valve™

MICROLIT SCITUS comes with an award-winning technology, Springless Valve™, that facilitates smooth and jam-free functioning.

Dispense Easily with FlexiNozzle™

FlexiNozzle™ is an adjustable delivery nozzle. It offers a high degree of flexibility, facilitating easy dispensing in demanding laboratory conditions.

Work Flexibly with a 360° Adapter

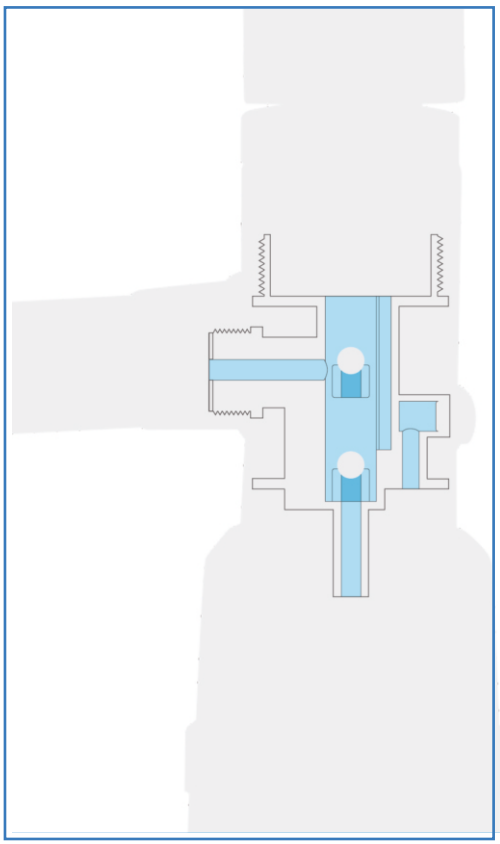
A specially designed Adapter allows 360° rotation, facilitating complete work flexibility.

- **Autoclaving Parameters**
  MICROLIT SCITUS is fully autoclavable at 121 °C and 15 psi for a duration of 10 – 15 minutes.

- **Work with a Comprehensive Volume Range**
  MICROLIT SCITUS is available in six unique volume ranges:
  1. 0.25-2.5 ml
  2. 0.5-5 ml
  3. 1-10 ml
  4. 2.5-30 ml
  5. 5-60 ml
  6. 10-100 ml

  **Refer to the specifications and ordering information.*

Enhance your Productivity with Springless Valve™ Technology



Traditional Bottle Top Dispensers contain two valves with glass balls:

Inlet Valve:
This valve is vertical. It operates under gravity and does not require a spring to hold the glass ball in its position, in order to keep the valve closed.

Outlet Valve:
This valve is horizontal. It requires a spring to keep the glass ball in its position, in order to keep the valve closed while aspirating reagents in the barrel.
It opens only when a reagent is being dispensed.

The spring, housed in the Outlet Valve, poses a lot of problems:

- A user has to procure different kinds of Bottle Top Dispensers for different applications owing to spring metal reactivity.
  This proves to be an expensive proposition.
- Apart from this, the spring also offers a surface for deposition of chemicals. This results in a piston jam, thereby compelling the user to repeatedly clean the valve, or replace it altogether.

**Our product design engineers have expertly addressed these problems by designing a system where both Inlet and Outlet Valves are vertical and hence do not require any spring.
This Springless Valve™ Technology makes MICROLIT SCITUS a Universal Bottle Top Dispenser that can be conveniently used with both organic and inorganic reagents. It not only offers smooth, jam-free piston movement but also ensures service-free operation.**

Work with a Sophisticated Accessory Range that Enhances Flexibility

Adapters

The instrument comes with five adapters that comfortably fit most laboratory reagent bottles.
The available sizes are –
28 mm, 32 mm, 38 mm, 40 mm and 45 mm.

Extendable Tube

A Telescoping Tube, that can be adjusted according to a variety of bottle sizes, is provided as an inside-the-box accessory.

*ISO 8655 is the globally accepted industry standard for piston-operated volumetric apparatus.
The evaluation was performed by trained and certified personnel at an ISO17025 accredited lab.

The precision and accuracy of our liquid handling instruments is twice better than industry standards.*

Assured Quality with ISO 8655 Conformed Calibration

MICROLIT SCITUS is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards.

A calibration certificate is included inside the product package.

A calibration tool is also included for quick in-lab recalibration.

Our Product Excellence

MICROLIT SCITUS reflects the design philosophy of our organization, combining the best performance parameters with the best user experience.

We were honoured by **CII Industrial Innovation Awards and adjudged a place in the top 25 Most Innovative Companies of 2021.**

We are also accredited by a number of global organizations and have earned worldwide credibility.

INDIA DESIGN MARK

CII INDUSTRIAL INNOVATION AWARDS 2021 Top 25 Most Innovative Companies

SPECIFICATIONS AND ORDERING INFORMATION

Model No.	Vol. Range	Increment	Accuracy ±%	±ml	CV ±%	±ml
SCI-2.5	0.25-2.5 ml	0.05 ml	0.5	0.0125	0.2	0.005
SCI-5	0.5-5 ml	0.1 ml	0.5	0.025	0.2	0.010
SCI-10	1-10 ml	0.2 ml	0.5	0.050	0.1	0.010
SCI-30	2.5-30 ml	0.5 ml	0.5	0.150	0.1	0.030
SCI-60	5-60 ml	1.0 ml	0.5	0.300	0.1	0.060
SCI-100	10-100 ml	2.0 ml	0.5	0.500	0.1	0.100

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with the nominal capacity (or maximum volume) indicated on the instrument. These are obtained by using the instrument with distilled water at equilibrium, the ambient temperature of 20 °C while operating it smoothly and steadily. The error limits are in accordance with DIN EN ISO 8655-5.

EXPERIENCE PRECISION

MICROLIT

OUR REACH

YOUR SATISFACTION IS OUR PRIORITY

Microlit products follow GMP norms and are manufactured under comprehensive QA (Quality Assurance) and QC (Quality Control). However, if you are dissatisfied with the operation of any of our products, get in touch with us or call your nearest Microlit dealer for free replacement.

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