

**Calibrex™**  
your best choice, precisely

**SOCOREX**  
SWISS

# bottle-top dispensers



Designed for high-performance transfer of liquids from a large variety of bottles and flasks, the Calibrex™ models combine the latest in dosing technology, high-tech materials, and ergonomic design.

As a result, users benefit from ease of operation, and superior safety in a low maintenance model.

#### The Calibrex™ line features:

- Solid, yet simple construction
- Superior chemical resistance
- Long-lasting performance stability
- Comfortable and convenience in use
- Instant volume setting capabilities
- In-lab calibration
- Autoclavable at 121°C/250°F while fully assembled

#### The Calibrex™ models

**520**      **521**

 **WHEATON**  
Science Products

# Calibrex™ digital

your best choice, precisely



## ► Friendly digital volume setting

Precise adjustments can be made quickly with or without a gloved hand. An efficient click-stop mechanism prevents unwanted alterations in value while a large easy to read display window can be rotated on the body providing optimum viewing.

The true *digital* system contributes to long-term calibration stability. Each step on the cylindrical cam is pre-calibrated and corresponds to one division on the volume adjustment scale.



## ► Optimized working position

The instrument rotates 360° to achieve desired positioning of the dispensing spout.



## ► Air filter

If airborne contamination is a concern, the air inlet can be enlarged to receive a membrane filter.



## ► Extension tubing

Autoclavable PTFE delivery Jet-Pen and extension tubing allow for dispensing into vessels that are within 60cm from the original container. This accessory fits Calibrex™ models up to 20 mL.

## Calibrex™ 520 up to 10 mL

Three color-coded adjustable volume models are available in 0.25–2 mL, 1–5 mL and 1–10 mL versions. Fixed volume versions of any volume within these ranges are also available. The Calibrex™ models combine clever, yet simple construction with universal chemical compatibility. Among other features, they are designed for smooth, effortless activation while offering outstanding durability.



520

0.25 – 2 mL  
1 – 5 mL  
1 – 10 mL

## Absolute stability

Stand has the capacity to hold dispensers up to 50 mL, making it ideal for use with small size bottles.

## Bulk container aspiration

Work station facilitates liquid intake from drum or other remote container (<10 m distance, <2 m elevation).



## Calibrex™ 521 up to 100 mL

Three 521 models are available, expanding the Calibrex™ line by providing larger dispensing volumes that range from 2–20 mL, 10–50 mL and 10–100 mL. Similar to the 520 models in many respects such as construction quality, sturdiness, chemical resistance, smooth plunger travel, in-lab calibration and autoclaving. The 521 range has a distinctive black design and an additional fine-tuning ring.

## 521



2 - 20 mL  
10 - 50 mL  
10 - 100 mL

### Performance

Volume mL	Division mL	Inaccuracy (E %)*		Imprecision (CV%)	
		Min. vol.	Max. vol.	Min. vol.	Max. vol.
<b>Calibrex® 520</b>					
0.25 - 2	0.05	< ± 3.0 %	< ± 0.6 %	< 0.5 %	< 0.1 %
1.0 - 5	0.1	< ± 2.0 %	< ± 0.6 %	< 0.5 %	< 0.1 %
1.0 - 10	0.25	< ± 1.5 %	< ± 0.6 %	< 0.5 %	< 0.1 %
<b>Calibrex® 521</b>					
2.0 - 20	0.1	< ± 1.5 %	< ± 0.6 %	< 0.5 %	< 0.1 %
10.0 - 50	1	< ± 1.5 %	< ± 0.6 %	< 0.5 %	< 0.1 %
10.0 - 100	1	< ± 1.5 %	< ± 0.6 %	< 0.5 %	< 0.1 %

\*Fixed volume models: performance according to desired volume



### ► In-lab calibration

The Calibrex™ dispensers come precalibrated from the factory, and both models, the 520 and 521, can be easily recalibrated by means of an adjustment screw.



### ► Easy maintenance

Disassembling/reassembling is facilitated without the use of special tools. Key elements such as valves, plunger, barrel, and delivery jet can be removed in a few seconds for easy cleaning. All Calibrex™ dispensers are autoclavable while fully assembled.



### ► Superior material selection

Special attention is paid to component materials, providing for long instrument life. Parts coming in contact with the liquid flow are chemically inert.

Parts	520 model	521 model
Feed tube		PTFE
Intake valve	Ceramic	Borosilicate glass
Valve balls	Pyrex glass	Ceramic, ruby
Valve spring		Platinum-iridium
Barrel		Borosilicate glass
Barrel plate		PTFE
Plunger		Glass with PFA coating
Outlet valve		Ceramic
Body		ETFE
Delivery jet assembly		PTFE/ETFE



### ► Bottle-neck adapters

Models 520 and 521 have a base thread of 32 mm. The 520 models come with three bottle-neck adapters in 28, 40, and 45 mm diameters, and the 521 models come with 38, 40, and 45 mm diameters, giving these models 4 choices in thread size.

See p.4 for bottles and accessories.



## 520 Calibrex Bottle-Top Dispensers

Wheaton Cat. No.	Volume mL	Increment mL
844000	0.25-2	0.05
844002	1.0-5.0	0.1
844004	1.0-10.0	0.25

Dispensers include QC certificate, operating instructions, 3 adapters (see right column on p.3 and feed tube 300mm (375mm with 521.100)).

### Accessories

Wheaton Cat. No.	Description
<b>Work Station</b>	
W832026	Stand for dispenser up to 50 mL
W832028	Stand for remote liquid intake, dispenser up to 50 mL
W832030	Stand for remote liquid intake, dispenser 100 mL
<b>Extension and Replacement PTFE Tubings</b>	
844024	PTFE Extension tubing -2,5,10 & 20 mL

Wheaton Cat. No.	Material	Shape	Volume mL	Neck Ext. Dia. mm
<b>Bottles</b>				
W832000	Amber	Rd	100	32
844025	Amber	Sq	250	32
844027	Amber	Sq	500	32
844029	Amber	Sq	1000	45
844030	Amber	Rd	2500	45
W832004	Amber Glass w/handle	Rd	2500	45
W832002	Amber Glass w/PE	Sq	500	32
W832006	Amber Glass w/PE	Sq	1000	45
W832008	Amber Glass w/PE	Rd	2500	45
W832010	Type I Glass	Rd	250	45
W832012	Type I Glass	Rd	500	45
W832014	Type I Glass	Rd	1000	45
W832016	Type I Glass	Rd	2000	45
844026	Clr Pyrx Glass w/connection neck	Rd	500	32
W832018	PE	Sq	250	25
W832020	PE	Sq	500	25
W832022	PE	Sq	1000	32
W832024	PE	Sq	2500	45

Your local distributor



Calibrex and Solid Calibration are trademarks of Socorex ISBA.



## 521 Calibrex Bottle-Top Dispensers

Wheaton Cat. No.	Volume mL	Increment mL
844021	2.0 - 20.9	0.1
844022	10 - 59	1.0
844023	10 - 109	1.0

Dispensers include QC certificate, operating instructions, 3 adapters (see right column on p.3 and feed tube 300mm (375mm with 521.100)).

### Accessories

Wheaton Cat. No.	Extended O.D. of Type	Bottle Neck
<b>Adaptors</b>		
W830000	Threaded PP	22mm
W830002	Threaded PP	25mm
844032	Threaded PP	28mm
W830004	Threaded PP	30mm
W830006	Threaded PP	34mm
W830008	Threaded PP	36mm
844035	Threaded PP	38mm
W830010	Threaded PP	40mm
844038	Threaded PP	45mm
W830012	Threaded PTFE	36mm
W830014	Threaded PTFE	38mm
W830016	Threaded PTFE	40mm
W830018	Threaded PTFE	45mm
W830020	Tapered PP, NS	18.8mm
W830022	Tapered PP, NS	24mm
W830024	Tapered PP, NS	29.2mm
W830026	Tapered PP, NS	45mm
W830028	Tapered PTFE, NS	18.8mm
W830030	Tapered PTFE, NS	24mm
W830032	Tapered PTFE, NS	29.2mm

#### Warranty

One year limited warranty. See package insert for complete warranty terms and operating instructions.



**WHEATON**  
Science Products

a division of WHEATON Industries Inc.

1501 North 10th Street, Millville, NJ 08332-2038  
1.800.225.1437 ■ 1.856.825.1100

[www.wheatonsci.com](http://www.wheatonsci.com)