

GL45 Mycap[®] Bottle Closures



Product Information

Mycap[®] bottle closures are a one-piece, ready-to-use aseptic fluid transfer system.

The single-use design features integral tubing and a robust platinum-cured silicone seal.

Applications

Mycap[®] is ideal for critical fluid-handling applications. Attach to glass bottles with GL45 threaded closures, autoclave and use for:

- Buffer and media storage
- Buffer and media addition
- Bioreactor feeds
- Sample collection
- Bulk harvest
- Product pooling
- Bulk intermediate hold

Features	Benefits
Ready-to-use	Save time Eliminate errors
Single-use	No contamination risk
One-For-All silicone closure	Universal validation Robust and reliable performance
One-piece construction	Integral closure Easy to handle
Easy customization	Configure Mycap® to your process needs

Reduce Risk and Improve Performance

With Mycap® bottle closures, every use is its first use. There is no risk of batch-to-batch or product-to-product cross contamination. Mycap® bottle closures pass studies of container closure by bacterial immersion.

One-for-All Closure System

At last – a truly universal bottle closure system.

All Mycap® closure systems are constructed using the same high performance platinum-cured silicone seal regardless of the tubing material, tubing size, port configuration, bottle type or bottle size.

Ease validation and reduce regulatory work by implementing Mycap® throughout the production process.

Easy Implementation

Alternative bottle closure systems include a number of reusable components which are costly to implement and manage.

Regulatory agencies demand a scientifically sound validation strategy for parts cleaning to avoid non-host or batch-to-batch contamination. The physical condition and life cycle of reused parts must be closely monitored to ensure cleaning efficacy.

Select pre-assembled and single-use Mycap® bottle closures to bypass the burden of validation and parts management.

Reliable Performance

The platinum-cured silicone seal of Mycap® is suitable for a range of applications.

The closure to the bottle is secure so long as the seal maintains its physical properties. Silicone maintains its elastomeric properties from -70° to 260° Celsius.

GL45 Mycap® bottle closures can be field installed without use of any instruments or tools. A survey of random operators found the average torque applied by hand is yields a leak-free closure. Validation demonstrates a leak-free seal when Mycap® are installed with torque force from 4in-lbs to 60in-lbs.

Manufacturing Environment

Mycap® bottle closures are constructed and packaged in an ISO 7 clean-room.

Monthly cleaning with a schedule of LpH®, Vesphene® and Spor Klenz® reduce and control viable organisms. Viable organisms are measured quarterly to monitor the effectiveness of the clean-room management and cleaning procedures, and to be compliant to EU GMPs and ISO 14698.

Line clearance, weekly cleaning of equipment and work surfaces and monthly cleaning of the clean-room reduce and control non-viable particles. Non-viable readings are taken weekly to ensure 0.5 µm/m³ and 5.0 µm/m³ particles are within the ISO Class 7 acceptance criteria, per ISO 14644-1.

Quality Assurance

Mycap® bottle closures are manufactured in accordance with the key principles of cGMP.

Each Mycap® bottle closure is issued with a unique lot number on its Certificate of Compliance. The lot number provides full traceability to all components used and operations performed.

The Certificate of Conformance for GL45 Mycap® bottle closures reports compliance to:

- USP <87>: Biological reactivity tests, in Vitro
- USP <88>: Biological reactivity tests, in Vivo
- USP <788>: Particulate matter
- USP <85>: Endotoxin

Shelf Life

Mycap® bottle closures, components and component resins have shelf-life that exceeds two years.

TSE | BSE Risk

The components and materials used in construction of Mycap® bottles closures are treated at high temperatures and undergo chemical reactions which far exceed the stringent requirements laid down in the documents CPMP | BWP | 1230 | 98 and WHO | CPS | VPH | 95.145 and | or EMA | 410 | 01, rev 3. These processing conditions are considered sufficient to inactivate TSE and BSE transmitters.

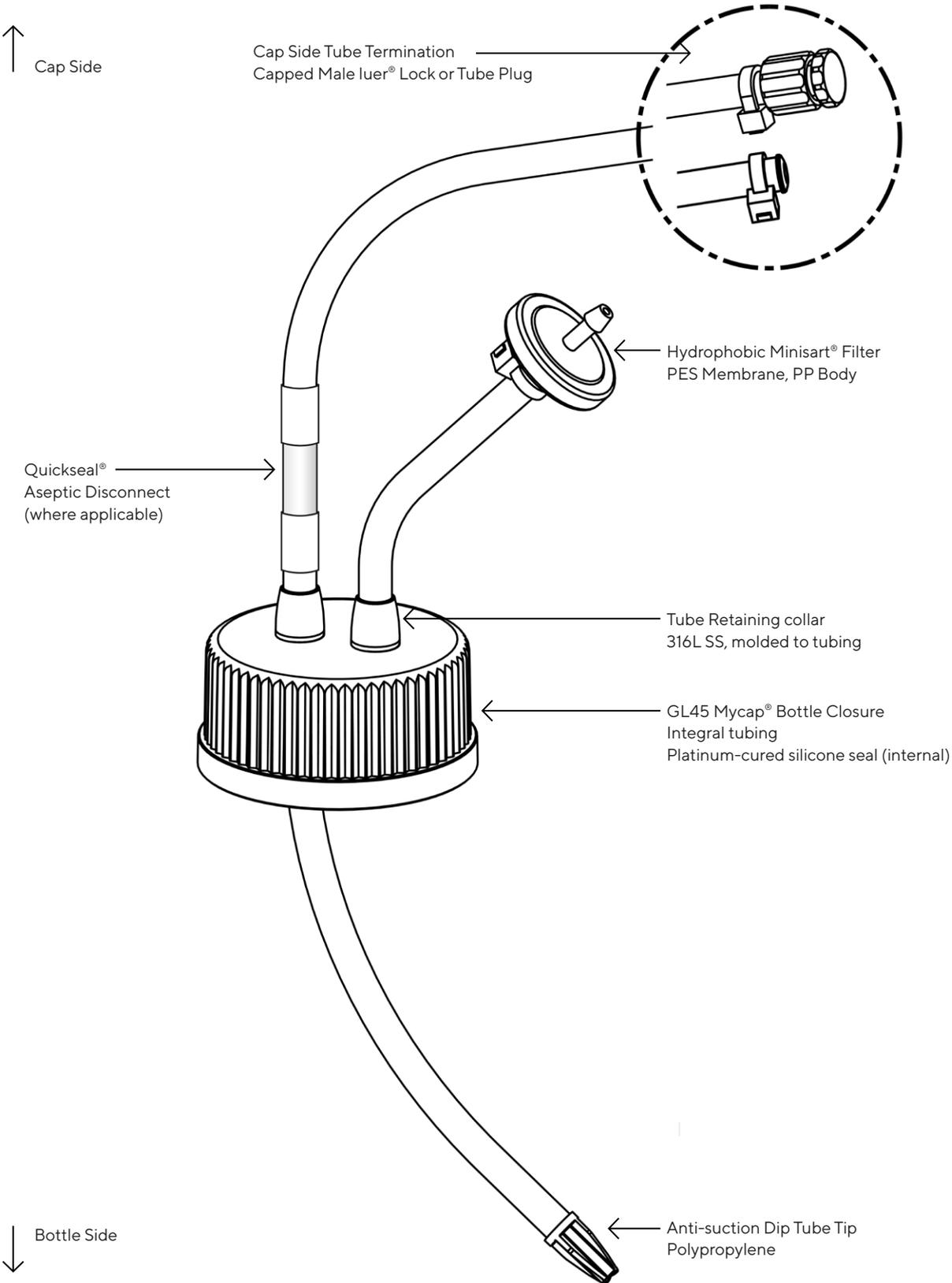
Technical Data

Specifications

Elastomer seal	Platinum-cured silicone
Tubing	Platinum-cured silicone or C-Flex® formulation 374 or Tuflux® TPE
Cap material	Polycarbonate (not fluid contact)
Closure style	GL45
Tube ports	Inlet Outlet, Air vent - 25 mm PES membrane Minisart®
Fittings	Luer® lock or tube plug
Sterilization	Autoclavable

C-Flex® is a registered trademark of Saint-Gobain Performance Plastics Corporation
Luer® is a registered trademark of Becton Dickinson
Corning® and Pyrex® are registered trademarks of Corning Incorporated
LpH®, Vesphene® Spor Klens® are registered trademarks of STERIS Corporation

Mycap® Bottle Closure Anatomy



Ordering Information

Series A GL45 Mycap® Bottle Closures

Universal Design Features:

- Optimized tube lengths for Corning® Pyrex® round media storage bottles (PN: 1395-xxx)
- Bottle not included
- Platinum-cured silicone tubing
- Non-sterile
- Autoclavable

Part Number	Description	Bottle Size	Cap Size	Port 1	Port 2	Qty/ Pack
MYCAP13950100A	2 port GL45 Mycap® bottle closure	100 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 8.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950250A	2 port GL45 Mycap® bottle closure	250 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 6.75"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950500A	2 port GL45 Mycap® bottle closure	500 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 11"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13951000A	2 port GL45 Mycap® bottle closure	1000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 9.25"; capped male, luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13952000A	2 port GL45 Mycap® bottle closure	2000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 14"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5

Series B GL45 Mycap® Bottle Closures

Universal Design Features:

- Optimized tube lengths for Corning® Pyrex® round media storage bottles (PN: 1395-xxx)
- Bottle not included
- C-Flex® tubing (formulation 374)
- Non-sterile
- Autoclavable (tubing may deform or melt during autoclave – exercise caution)

Part Number	Description	Bottle Size	Cap Size	Port 1	Port 2	Qty/ Pack
MYCAP13950100B	2 port GL45 Mycap® bottle closure	100 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 14.5"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950250B	2 port GL45 Mycap® bottle closure	250 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 19"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950500B	2 port GL45 Mycap® bottle closure	500 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 17.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13951000B	2 port GL45 Mycap® bottle closure	1000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 21.5"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13952000B	2 port GL45 Mycap® bottle closure	2000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 20.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5

Series C GL45 Mycap® Bottle Closures

Universal Design Features:

- Optimized tube lengths for Corning® Pyrex® round media storage bottles (PN: 1395-xxx)
- Bottle not included
- Platinum-cured silicone tubing
- Quickseal® aseptic disconnect
- Non-sterile
- Autoclavable

Part Number	Description	Bottle Size	Cap Size	Port 1	Port 2	Qty/ Pack
MYCAP13950100C	2 port GL45 Mycap® bottle closure	100 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 8.25"; Quickseal® at 2.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950250C	2 port GL45 Mycap® bottle closure	250 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 6.75"; Quickseal® at 2"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950500C	2 port GL45 Mycap® bottle closure	500 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 11"; Quickseal® at 2"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13951000C	2 port GL45 Mycap® bottle closure	1000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 9.25"; Quickseal® at 2.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13952000C	2 port GL45 Mycap® bottle closure	2000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 14"; Quickseal® at 2"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5

Series D GL45 Mycap® Bottle Closures

Universal Design Features:

- Optimized tube lengths for Corning® Pyrex® round media storage bottles (PN: 1395-xxx)
- Bottle not included
- C-Flex® tubing (formulation 374)
- Quickseal® aseptic disconnect
- Non-sterile
- Autoclavable (tubing may deform or melt during autoclave – exercise caution)

Part Number	Description	Bottle Size	Cap Size	Port 1	Port 2	Qty/ Pack
MYCAP13950100D	2 port GL45 Mycap® bottle closure	100 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 14.5"; Quickseal® at 2.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950250D	2 port GL45 Mycap® bottle closure	250 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 19"; Quickseal® at 2"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950500D	2 port GL45 Mycap® bottle closure	500 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 17.25"; Quickseal® at 2.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13951000D	2 port GL45 Mycap® bottle closure	1000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 21.5"; Quickseal® at 2.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13952000D	2 port GL45 Mycap® bottle closure	2000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 20.25"; Quickseal® at 2"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5

Series E GL45 Mycap® Bottle Closures

Universal Design Features:

- Optimized tube lengths for Corning® Pyrex® round media storage bottles (PN: 1395-xxx)
- Bottle not included
- Tuflux® TPE
- Non-sterile
- Autoclavable (tubing may deform or melt during autoclave – exercise caution)

Part Number	Description	Bottle Size	Cap Size	Port 1	Port 2	Qty/ Pack
MYCAP13950100E	2 port GL45 Mycap® bottle closure	100 mL	GL45	Tube Size: ⅛" ID × ¼" OD Cap Side: 8.25"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950250E	2 port GL45 Mycap® bottle closure	250 mL	GL45	Tube Size: ⅛" ID × ¼" OD Cap Side: 6.75"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart hydrophobic PES filter Bottle Side: None	5
MYCAP13950500E	2 port GL45 Mycap® bottle closure	500 mL	GL45	Tube Size: ⅛" ID × ¼" OD Cap Side: 11"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart hydrophobic PES filter Bottle Side: None	5
MYCAP13951000E	2 port GL45 Mycap® bottle closure	1000 mL	GL45	Tube Size: ⅛" ID × ¼" OD Cap Side: 9.25"; capped male, luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart hydrophobic PES filter Bottle Side: None	5
MYCAP13952000E	2 port GL45 Mycap® bottle closure	2000 mL	GL45	Tube Size: ⅛" ID × ¼" OD Cap Side: 14"; capped male luer® fitting Bottle Side: To bottom; dip tube tip	Tube Size: ⅛" ID × ¼" OD Cap Side: 3"; Minisart hydrophobic PES filter Bottle Side: None	5

Series F GL45 Mycap® Bottle Closures

Universal Design Features:

- Optimized tube lengths for Corning® Pyrex® round media storage bottles (PN: 1395-xxx)
- Bottle not included
- Tuflux® TPE tubing
- Quickseal® aseptic disconnect
- Non-sterile
- Autoclavable (tubing may deform or melt during autoclave – exercise caution)

Part Number	Description	Bottle Size	Cap Size	Port 1	Port 2	Qty/ Pack
MYCAP13950100F	2 port GL45 Mycap® bottle closure	100 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 14.5"; Quickseal® at 2.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950250F	2 port GL45 Mycap® bottle closure	250 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 19"; Quickseal® at 2"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13950500F	2 port GL45 Mycap® bottle closure	500 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 17.25"; Quickseal® at 2.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13951000F	2 port GL45 Mycap® bottle closure	1000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 21.5"; Quickseal® at 2.25"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5
MYCAP13952000F	2 port GL45 Mycap® bottle closure	2000 mL	GL45	Tube Size: 1/8" ID × 1/4" OD Cap Side: 20.25"; Quickseal® at 2"; tube plug at end Bottle Side: To bottom; dip tube tip	Tube Size: 1/8" ID × 1/4" OD Cap Side: 3"; Minisart® hydrophobic PES filter Bottle Side: None	5

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Specifications subject to change without notice.

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