neu INDUSTRIES
SAFER • CLEANER • BETTER

Volumteric Flask

ASTM E - 288

USP U.S. Pharmacopeial Convention

ISO 1042

ISO 17025 ACCREDITED LABORATORY International Organization for Standardization

NABL ISO / IEC 17025 Accredited

DIN 12600

DE-M

GLASSCO®

Volumetric Flask

Volumetric flasks made from Borosilicate 3.3 glass provide high chemical resistance and optical clarity, ensuring reliable performance and visibility. Each flask undergoes inspection using four stress viewers to guarantee quality and durability. Available in Class A and Class B standards, the flasks can include individual certificates with QR codes or batch certifications to suit various needs. Engineered for precision and performance, these flasks deliver consistent and accurate results in every application.

Clear   Amber

Features

Types of Glass

CLASS A   CLASS B

Type of Certifications

Individual Certificate   BATCH CERTIFICATE

Features

Chemical Resistant   GLASS BORO 3.3

Colour of Printed Markings

BLUE PRINTING   WHITE PRINTING   AMBER PRINTING

Standards

ISO 1042   USP U.S. Pharmacopeial Convention   ASTM E - 288   NABL ISO/IEC 17025 Accredited

Types of Stoppers

PE

HOLLOW

PENNY

PTFE

SNAP CAP

PE Stopper   Hollow Glass Stopper   Penny Stopper   PTFE Stopper   Snap Cap

Quality Assurance

Wall strength/thickness

Product safety, durability, and compliance with ASTM/USP(DIN ISO 1042) standards are ensured through precise measurement checks with gauges and calipers, annealing in conveyor lehrs to eliminate manufacturing stress, and testing glass thickness for optimal wall strength.

Print color adhesion test

The printed markings on the glass are tested for color adhesion through rigorous acid boiling, scratch, and tape peel-off tests. The optical clarity of each product is also verified twice, first during production and then before packaging, to ensure 100% quality and precision.

Fit testing of mating joints

The taper of cones and sockets is verified using gauges and taper test tools to ensure secure joints. Mating joints undergo vacuum testing to confirm even tapering and eliminate leaks.
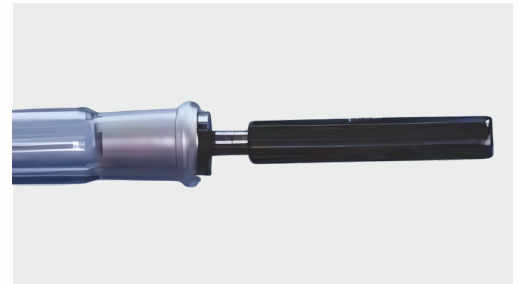
Traceability (QR code) DE-M

Each piece is calibrated at 0.003% accuracy with A-class tolerance. They are accompanied by individual calibration certificate, in accordance to German DE-M standard. In addition, Glassco collaborates with CaliberLIMS through its QR-LabGlass™ Smart Flask, which features unique scannable QR codes for streamlined traceability of certification. This integration allows users to quickly access, download, and print specific glassware certificates through CaliberLIMS software, simplifying the retrieval and maintenance of certification records while ensuring compliance and easing audit processes.

Scan Here to Find Out More!

Caliber
Deliver More. Deliver Excellence

Personalize label
Integrated with CaliberLIMS

Select
- Colour
- Label
- Customization

1st in the World
QR-Coded Volumetric Flask

INSTANT
- Scan
- Certificate
- Calibration

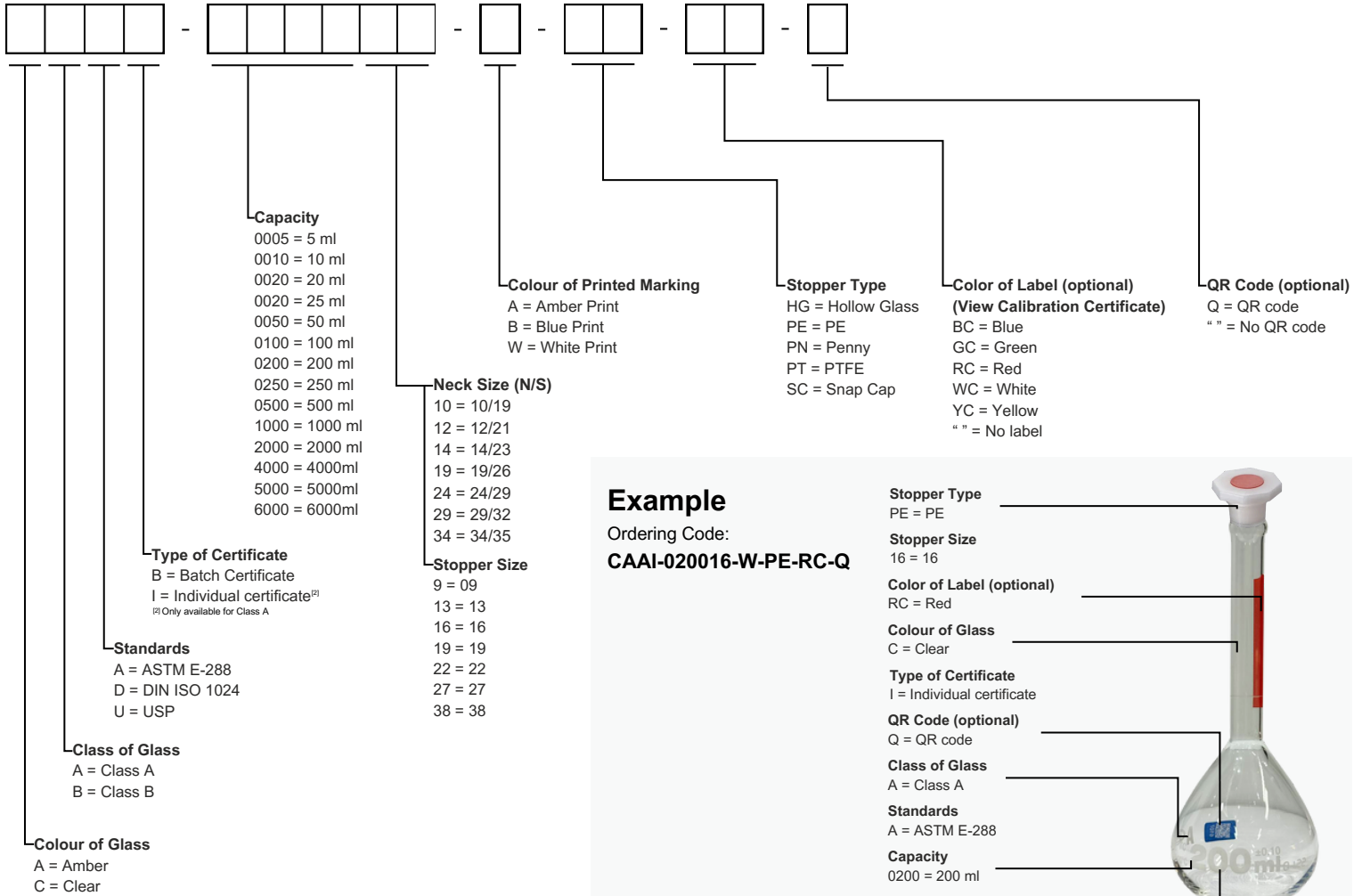**1st Glassware Product**
Integrated with CaliberLIMS
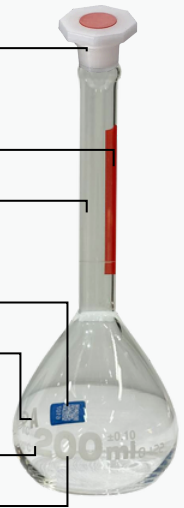
CHECK
- Authenticity
- Usage
- Alerts

In Collaboration with
CaliberLIMS

Ordering Infromation

☐☐☐☐ - ☐☐☐☐☐☐ - ☐ - ☐☐ - ☐☐ - ☐

Capacity
0005 = 5 ml
0010 = 10 ml
0020 = 20 ml
0020 = 25 ml
0050 = 50 ml
0100 = 100 ml
0200 = 200 ml
0250 = 250 ml
0500 = 500 ml
1000 = 1000 ml
2000 = 2000 ml
4000 = 4000ml
5000 = 5000ml
6000 = 6000ml

Type of Certificate
B = Batch Certificate
I = Individual certificate[2]
[2] Only available for Class A

Standards
A = ASTM E-288
D = DIN ISO 1024
U = USP

Class of Glass
A = Class A
B = Class B

Colour of Glass
A = Amber
C = Clear

Colour of Printed Marking
A = Amber Print
B = Blue Print
W = White Print

Neck Size (N/S)
10 = 10/19
12 = 12/21
14 = 14/23
19 = 19/26
24 = 24/29
29 = 29/32
34 = 34/35

Stopper Size
9 = 09
13 = 13
16 = 16
19 = 19
22 = 22
27 = 27
38 = 38

Stopper Type
HG = Hollow Glass
PE = PE
PN = Penny
PT = PTFE
SC = Snap Cap

Color of Label (optional)
(View Calibration Certificate)
BC = Blue
GC = Green
RC = Red
WC = White
YC = Yellow
" " = No label

QR Code (optional)
Q = QR code
" " = No QR code

Example
Ordering Code:
CAAI-020016-W-PE-RC-Q

Stopper Type
PE = PE

Stopper Size
16 = 16

Color of Label (optional)
RC = Red

Colour of Glass
C = Clear

Type of Certificate
I = Individual certificate

QR Code (optional)
Q = QR code

Class of Glass
A = Class A

Standards
A = ASTM E-288

Capacity
0200 = 200 ml

Colour of Printed Marking
W = White Print

Table 1: Neck Size (N/S) for USP (DIN ISO 1042)

Ordering Code	N/S	Capacity (ml)											
		5	10	20	25	50	100	200	250	500	1000	2000	5000 [1]
10	10/19	S	S	S	S								
12	12/21					S	S						
14	14/23					W	W	S	S				
19	19/26									S			
24	24/29										S		
29	29/32											S	
34	34/35												S

[1] Only applicable to DIN ISO 1042 standard

Table 2: Stopper Size for ASTM E-288

Ordering Code	Stopper Size	Capacity (ml)											
		5	10	20	25	50	100	200	250	500	1000	2000	4000	6000
09	9	S	S	S	S	S								
13	13	W	W	W	W	W	S							
16	16						W	S	S					
19	19							W	W	S				
22	22										S			
27	27											S		
38	38												S	S

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