DURAN® BOTTLE CAPS & CONNECTION SYSTEMS

THE PERFECT MATCH – FROM STANDARD TO SPECIAL

In scientific procedures, nothing should be left to chance. Factors such as functionality, efficiency and cost-effectiveness in laboratories can be affected by apparently simple elements such as bottle caps and connection systems.

DURAN® offers a comprehensive product range of precision closure systems, starting with high-quality standard caps suitable for numerous scientific applications.

Our range also includes identification aids, special closures for sterilization processes, caps made of high performance materials for demanding applications, connection systems, security caps and transportation accessories. DURAN® caps and connection systems fit most DIN standard laboratory bottles made by other manufacturers.

ONE DURAN® BOTTLE SYSTEM FOR ALL YOUR NEEDS

DURAN® GL 45 BOTTLE CARRYING SYSTEM

Click and Carry! Our latest innovation - a modular bottle carrying system that focuses on the safety and convenience of users in the laboratory.

Find out more: www.duran-bottle-system.com

THE EVOLUTION OF THE DURAN® BOTTLE SYSTEM

Starting with the ORIGINAL in 1972, the DURAN® laboratory bottles have continued to evolve to meet the diverse needs and applications of scientists and researchers around the world. The borosilicate glass 3.3 bottles are now available in the most comprehensive range of volumes and formats.

DURAN® BOTTLE ACCESSORIES

A range of dedicated accessories that work perfectly with the DURAN® laboratory bottles. DURAN® accessories enable practical color coding, product labelling and identification. Most are reusable and long lasting just like the DURAN® bottles.
SELECT THE BEST COMPONENTS FOR YOUR NEEDS

**STANDARD**

These reliable components are made of food-grade polypropylene (PP) and are suitable for many laboratory applications. Our screw caps and pouring rings are fully compatible with DIN GL bottle threads.

**HIGH PERFORMANCE**

For more demanding processing conditions, or when the product requires a higher level of protection from the environment or contamination. Ideal for demanding applications in the pharmaceutical industry.

**STEAM STERILIZATION**

Membrane caps are recommended when sterilizing media. These components improve the safety and ease-of-use of the laboratory bottles during autoclaving or hot-air sterilization, and protect the contents from contamination.

**CONNECTION**

The robust and durable DURAN® tubing connection systems allow the easy transfer of liquids under controlled conditions, reducing the risk of contamination. Connector elements are also available for probes and stirrers.

**SECURITY AND TRANSPORTATION**

When extra protection is required to ensure the safety of the contents and users during storage or transport. For example, by blocking ultraviolet light, ensuring contents aren’t tampered with or making transport easier and safer.

**IDENTIFICATION**

The accurate identification of samples and reagents is integral to the scientific process. These components provide simple color coding or labelling of laboratory bottles.

**NECK SIZE**

**GL 25**

- Original GL Screw Cap Blue, PP, Linerless
- High Temperature Screw Cap Red, PBT, Cap liner
- Aperture Screw Cap Red, PBT
- Premium Cap Colorless, PFA, Cap liner
- PURE Premium Screw Cap Colorless, PFA, Cap liner
- Screw Cap Membrane Vented Blue, PP
- Multiport Connector Cap 2-, 3- or 4-ports, PTFE

**NECK SIZE**

**GL 32**

- Original GL Screw Cap Blue, PP, Linerless
- High Temperature Screw Cap Red, PBT, Cap liner
- Pouring Ring Red, ETFE
- Aperture Screw Cap Red, PBT

**MATERIALS**

- PP = Polypropylene
- PBT = Polybutylene terephthalate
- PFA = Perfluoroalkoxy polymers
- ETFE = Ethylene-tetrafluoroethylene copolymer
- PTFE = Polytetrafluoroethylene
The DURAN® bromobutyl rubber stopper provides a gas tight seal for all GL 45 laboratory bottles. Bromobutyl rubber is essentially impermeable to most gases, and provides a controlled environment inside the glass bottle for oxygen sensitive materials.
The DURAN® TILT silicone sleeve blocks damaging ultraviolet (UV) light, protects the glass surface from damage, and facilitates safer handling.
DURAN® GL 45 BOTTLE CARRYING SYSTEM

The new modular Bottle Carrying System fits standard laboratory bottles that have a GL 45 neck finish and is compatible with four bottle sizes: 2, 5, 10 and 20 litres. It is ergonomically designed, and offers health & safety benefits to the user and allows easy and safe transport of bottles around the laboratory or production facility. It makes pouring liquids from the larger bottles more comfortable and safer. All materials are fully autoclavable.

Carrying Handle
• Carrying handle is suitable for bare or gloved hands
• Handle strap is flexible enough to allow pouring

GL 45 Bottle Collar
• The collar is securely attached by pushing down over the GL 45 thread with 4 teeth that lock under transfer ring.
• The collar is only removable by cutting – so attachment is 100% secure in use
• A cut line indicator for removal of collar when required

Tightening Strap
• With indicator arrow
• End modified to prevent unthreading

Horizontal Straps
• Durable stitched construction
• Made from “anti-slip” material

Pouring Handle
• Ergonomically shaped
• Anti-slip grip

Lot Specific Retrace Code
for traceability and certification

Silicone Support Base
• Structural support for base of larger 5, 10 and 20 litre bottles
• Protection of glass bottle base from impact during lifting or handling
• Acts as a spacer to protect glass from contact with Metal Dolly
• Moulded-in holes minimize liquid traps and allow maximum steam penetration during autoclaving

Optional Extra: Metal Dolly
• Stainless steel dolly for 10 or 20 litre bottles (2 sizes only)
• Fully compatible with carrying system
• Easy to clean, crevice-free construction
• Optional handle is available for easier handling

Safe and controlled pouring using handle
• Safer pouring of liquids using a second lower "Pouring Handle" located on the side strap (Available on the 5 and 10 litre carriers only)

Easy and safe carrying using handle
• Handle attaches at the neck and fully supports the base

Fast and secure tightening of the polypropylene straps with two side strap adjusters for the larger 5, 10 and 20 litre bottles

FOR EASY AND SAFE CARRYING & POURING

2 L bottle carrier in 4 colors for color coding

4 sizes available:
2 L / 5 L / 10 L / 20 L

Find out more:
www.duran-bottle-system.com