DURAN® AUTOCLAVE BOTTLE AND PUSH-ON CAP SYSTEM

The Safer, Faster Solution for Laboratory Sterilization.



Fox Scientific, Inc. est. 1988
Chemicals
Laboratory Supplies
Equipment

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Why customers choose DWK

- **Minimized Sterility Risk:** prevents contamination by minimizing manual interventions.
- **Enhanced User Safety**: reduces operator risk by removing manual closure steps during post-autoclave handling.
- **Easy Identification**: labels and color-coded Bottle Tags ensure clear, organized identification in the lab.
- **Optimized Space and Ergonomics**: slim design and ergonomic grip zones improve space use and handling comfort.
- **Time Efficiency**: eliminates manual cap tightening, saving time and improving autoclaving efficiency.
- **Streamlined Ordering and Inventory**: available in matched quantities for easier ordering and inventory management.

Competitors

- **GL45 Bottle** SOP requires loosening during cycle (unless vented cap is used), then manual tightening while hot – risking burns, variable vacuum, and failures as well as hard re-opening (negative pressure)
- **PP/PPCO Media Bottle with Standard Screw Cap** Autoclavable plastics often require fully disengaged closures or vents
- **Foil Cover + Filter or Bottle-top Filters** Foil may impede proper steam penetration and thus prevent sterilization

Ideal for

- **Application**: steam sterilization of liquid media and reagents, Media preparation for anaerobic microbiology, sterilizing animal drinking water in gnotobiology facilities
- **Targets**: academic labs, industrial labs, microbiology labs, food testing labs, contract testing labs, gnotobiology facilities. Not pharma/GMP due to use of rubber
- **Roles**: laboratory managers, microbiologists, research scientists, principal investigator (PI).

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Questions to ask

- How frequently do you need to autoclave bottles in your lab?
- Do you face any challenges with your current autoclave bottles and caps?
- Would an automatic venting cap improve your workflow?
- How do you store sterilized liquids after autoclaving?

Customer objections

- ***We use screw caps with vent membranes***.
  Push-on caps vent automatically and self-seal, reducing manual steps and risk
- ***Is natural rubber latex safe?***
  DWK is evaluating latex-free alternatives (EPDM, butyl, silicone) for regulated environments
- ***How do we validate sterility?***
  Concave dome provides visual vacuum cue; use with standard biological indicators as needed
- ***How do we handle smaller volumes or partial usage?***
  Once the push on cap is removed, liquid should be used immediately. To address smaller volume needs, we offer two smaller capacity bottle options which eliminate the need to reseal and store.

Additional content

- DURAN® Autoclave Bottle and Push-on Cap System

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Customer case studies

- **A US-based gnotobiotic facility** resolved its water sterilization challenges with a safer, easier, and more efficient process by switching to DURAN© Autoclave Bottles with push-on caps. The facilities' staff now sterilize rodent drinking water with confidence and ease, enjoying a streamlined workflow that ensures sterility without the previous hassles associated with loose screw caps.

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