



DG SAFETY CAPS

Professional handling
of aggressive liquids
for optimum safety

CONNECTION SYSTEMS FOR OPTIMUM SAFETY

DG safety caps are high-grade, flexible connection systems which have been designed specially for handling aggressive, gas-forming liquids. Available with 1, 2 or 3 connection ports with optional stopcocks, DG safety caps are particularly suitable for pharmaceutical and chemical applications.

- No dangerous gas emissions
- No slipped tubes
- No substance loss due to evaporation
- Clean working environment

The safety caps come complete with v-ring seal (inside diameter 3.2 mm) and are ready for immediate use. V-ring seals are optionally available for 2 additional tube sizes (1.6 and 2.3 mm external diameter) to suit your application.



IMPROVISATION CAN BE RISKY!

Does this look familiar? You may be tempted to improvise when you're in a hurry, but it can pose serious risks.

- Harmful vapours can occur
- Bottles and laboratory equipment become contaminated
- Tubes work loose
- Valuable substances are lost
- Air is drawn in
- Processes are interrupted
- High risk of leaks due to loose seals
- Changing containers becomes a risky procedure

Safety officer alert!

Using improper connections endangers people and the environment. Working with makeshift solutions is also time-consuming, inaccurate and uneconomical. The risk of injury is frequently underestimated.



A SAFE, PROFESSIONAL APPROACH

The flexible DG safety cap connection system for laboratory bottles allows aggressive liquids to be transferred safely and cleanly.

The added bonus:

DG safety caps are *also available with stopcocks*, which conveniently prevent the tubes from draining and air becoming trapped. Stopcocks minimise substance loss and prevent contamination, making DG safety caps particularly suitable for HPLC applications.



ADVANTAGES AT A GLANCE

- DG safety caps are fitted with free-rotating caps to enable **container change without twisting** the fixed tubes.
- The **air valve** with PTFE membrane filter (pore size 1 µm) prevents gases escaping and at the same time enables pressure compensation.
- The highly chemically resistant **PTFE material** makes DG safety caps particularly suitable for aggressive solvents.
- DG safety caps are also available for bottles with standard ground joints NS 29/32, in addition to GL 45 screw threads.
- Alternatively, adapters are available for GL 40, GL 38 and GL 32 screw threads.
- DG safety caps functionally support the chemical industry's **Responsible Care initiative**.

For HPLC applications we recommend the DURAN® Pressure Plus laboratory bottle with TÜV seal of approval. The bottle is specially designed to be pressure-resistant from -1 to +1.5 bar according to ISO 4796 and guarantees certified safety compliant with EN 1595.



SAFELY STORED

DG safety waste caps are ideal for safely collecting and storing liquid laboratory waste. With a choice of different connections and activated carbon filters, they increase safety for laboratory technicians.

- Drip-free collection of used or contaminated media.
- Charcoal filters prevent harmful gas emissions
- Available in 2 designs
- Additional connections available for charcoal filter and leak hose.



ORDERING MADE EASY

You can order the full DG safety cap range from your laboratory ware supplier anywhere in the world using the item numbers below.

Description	Capacity ml	Diameter mm	Height* mm	Pack unit	Item no.
DURAN Pressure Plus laboratory bottle GL45, clear	250	70	138	10	1092234
DURAN Pressure Plus laboratory bottle GL45, clear	500	86	176	10	1092235
DURAN Pressure Plus laboratory bottle GL45, clear	1000	101	225	10	2181054
DURAN Pressure Plus laboratory bottle GL45, amber	250	70	138	10	1094367
DURAN Pressure Plus laboratory bottle GL45, amber	500	86	176	10	1094368
DURAN Pressure Plus laboratory bottle GL45, amber	1000	101	225	10	2181654

*without cap

Description	Pack unit	Item no.
DG Safety Cap I (1 port)	1	1168401
DG Safety Cap II (2 ports)	1	1168402
DG Safety Cap III (3 ports)	1	1168413
DG Safety Cap I (1 port) with stopcock	1	1168414
DG Safety Cap II (2 ports) with stopcocks	1	1168415
DG Safety Cap III (3 ports) with stopcocks	1	1168416
DG Safety Cap for NS29/32	1	1168417
DG Safety Waste Cap GL45	1	1168418
DG Safety Waste Cap GL45 for leak hose	1	1168420
Charcoal filter small, filling qty 24 g	1	1168443
Charcoal filter big, filling qty 48 g	1	1168432
Fitting, PP (spare set)	12	1168427
Venting valve for DG Safety Caps, PC	1	1168430
Thread adapter GL40/GL45 PTFE	1	1168444
Thread adapter GL40/GL45 PP	1	1168445

Description	Pack unit	Item no.
Thread adapter GL38/GL45 PTFE	1	1168446
Thread adapter GL38/GL45 PP	1	1168447
Thread adapter GL32/GL45 PTFE	1	1168448
Thread adapter GL32/GL45 PP	1	1168449
Screw plug UNF 1/4"	10	1168428
Ferrule, ID=1,6 mm, PTFE	10	1168421
Ferrule, ID=2,3 mm, PTFE	10	1168422
Ferrule, ID=3,2 mm, PTFE	10	1168423
Fitting with ferrule (1,6 mm), PTFE	10	1168424
Fitting with ferrule (2,3 mm), PTFE	10	1168425
Fitting with ferrule (3,2 mm), PTFE	10	1168426
Tool for PP fitting	1	1168451
Tool for PTFE fitting	1	1168450
Screw plug NPT 1/8", for leak hose	1	1168429
Filter for venting valve, 1 µm, PTFE membrane	1	1168431



DURAN Group GmbH

Hattenbergstrasse 10

55122 Mainz, Germany

Phone +49 (0)6131/66-4131

Fax +49 (0)6131/66-4016

info.duran@duran-group.com

www.duran-group.com

