

PART OF THE DURAN® BOTTLE SYSTEM

DURAN®

GLS 80® BOTTLE CAPS & CONNECTIONS & ACCESSORIES



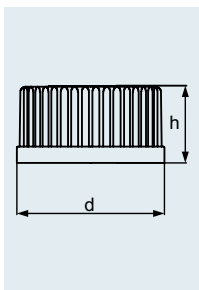
DURAN
WHEATON
KIMBLE

Excellence in your hands

DURAN® GLS 80® QUICK RELEASE SCREW CAP



from PP, blue, with lip seal



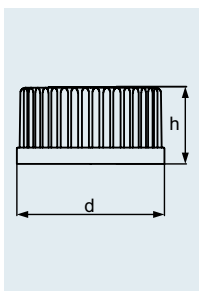
Permits opening and closing of the DURAN® GLS 80® bottle with only a three-quarter turn. A matching PP pouring ring is also available, permitting clean, drip-free use.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
screw cap				
11 127 16	GLS 80	87	40	10
Pouring ring				
11 601 66	GLS 80		6,85	10

DURAN® GLS 80® MEMBRANE VENTED SCREW CAP



from PP, blue, with welded-in PTFE membrane for pressure equalisation



For GLS 80® thread. Ideal for autoclaving processes because the 0.2 micron ePTFE membrane permits pressure equalisation and screw tight sealing. Hence the risk of contamination is greatly reduced. Ingress of liquids or solids is prevented and the bottle contents remain sterile.

Typical applications: storage or transport of gas generating media, autoclaving of media.

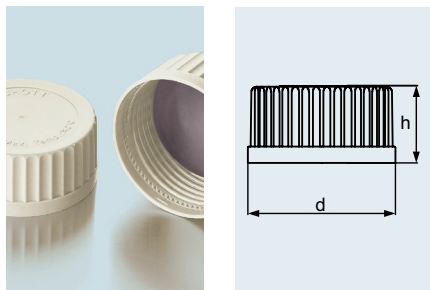
Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 118 91 05	GLS 80	87	40	2



DURAN® GLS 80® HIGH TEMPERATURE SCREW CAP



with cap liner, PSU material



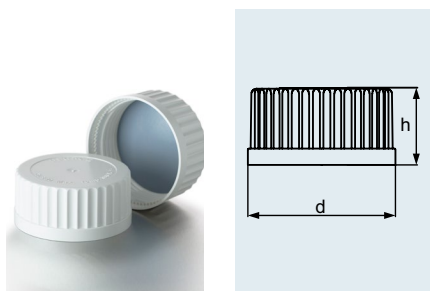
The material used is a special compound based on polyarylsulphone. Consequently the chemical, thermal and mechanical properties of the material are noticeably improved and matched to laboratory requirements. Thanks to the thread, the DURAN® GLS 80® bottle can be opened or closed with only a three-quarter turn. The seal, which is coated on both sides with PTFE, ensures the bottle can be tightly sealed (cap liner: Platinum-cured silicone). A matching PTFE pouring ring is also available, permitting clean, drip-free use.

Cat. No.	Thread	d (OD) (mm)	h (mm)	Pack Unit
screw cap				
11 658 88	GLS 80	88,5	40	5
pouring ring				
11 673 07	GLS 80		6.85	5
replacement cap liner				
11 529 21	GLS 80	79	3.1	5

DURAN® PURE GLS 80® SCREW CAP



PSU, with PTFE coated silicone seal



High-quality plastic screw cap with GLS 80® thread size, developed for the needs of the pharmaceutical industry. The DURAN® PURE GLS 80® Screw Cap is made from PSU with highly inert PTFE coated silicone seal. Designed for use with DURAN® PURE GLS 80® Bottles. The screw cap is compatible with autoclaving and other common sterilization methods. DWK Life Sciences provides CoAs with each delivery, assures 100% traceability and change control management. The DURAN® PURE GLS 80® Screw Cap is available with the documentation required by regulatory authorities and meets the requirements of the international pharmacopeias.

Typical applications: Manufacturing of pharmaceutical products, storage of bulk drug intermediates and ingredients, transportation of APIs.

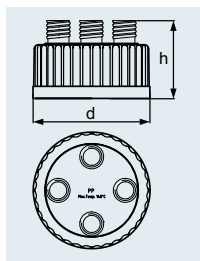
Cat. No.	Thread	d (OD) (mm)	h (mm)	Colour	Pack Unit
89 116 91 09	GLS 80	88	40	white	5



DURAN® GLS 80® CONNECTION CAP SYSTEM



screw cap GLS 80®, with four ports, GL 18 thread, EPDM seal



Materials used: PP and PTFE. Flexible modular system. Five different tubing diameters (3.2 mm; 6.0 mm; 8.0 mm; 10.0 mm and 12.0 mm) can be connected. Sterile pressure equalisation is possible by using the syringe membrane filter. Unused ports can be closed with a closed top GL 18 PBT cap.

Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced).

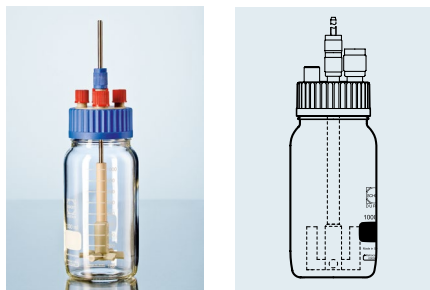
Cat. No.	Description	Thread	d (OD) (mm)	h (mm)	Pack Unit
29 310 91 03	GLS 80® 4-port EPDM seal	GLS 80	87	59	2
Accessories					
11 601 69	Insert for screw cap GL 18, ID 3.2 mm				1
11 601 70	Insert for screw cap GL 18, ID 6.0 mm				1
11 601 71	Insert for screw cap GL 18, ID 8.0 mm				1
11 601 72	Insert for screw cap GL 18, ID 10.0 mm				1
11 601 73	Insert for screw cap GL 18, ID 12.0 mm				1
11 601 74	Screw cap for tube connection, blue, GL 18	GL 18			2
11 601 67	Pressure equalisation cap set for 4-port, GL 18	GL 18			1
11 706 82	Blanking screw cap, red, PBT, GL 18	GL 18			2



DURAN® GLS 80® STIRRED REACTOR



materials used: PP / PTFE / PEEK / stainless steel

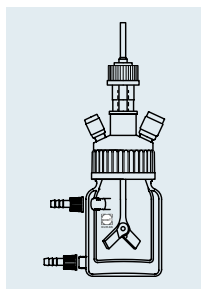


The GLS 80® stirred reactor is suitable for a wide range of laboratory mixing processes. The connections (2x GL 14 and 2x GL 18) provided permit addition or removal of media from the bottle during the mixing process. The whole unit can be autoclaved and is therefore suitable for biological applications. By using components from the GLS 80® connection system, an additional media bottle (Tubing outer diameter: 1.6–12.0 mm) can be connected or a sterile pressure equalizer attached. Drive for the stirrer may provided by a standard commercial magnetic stirrer. The variable stirrer shaft can be used in DURAN® GLS 80® laboratory glass bottles (1000 mL and 2000 mL) and provides notably improved mixing in comparison with standard magnetic stir bars. The stirrer unit is interchangeable and can be used up to 500 rpm is possible.

Typical applications: mixing of liquids, dissolving of solids, simple fermentation processes.

Cat. No.	Description	Thread	Anchor stirrer d (mm)	Impeller stirrer d (mm)	Pack Unit
12 003 79	Stirred reactor cap, stirrer anchor type, magnetic, complete with shaft, connection and screw cap	GLS 80	62		1
21 263 91 07	Stirred reactor anchor type, magnetic, complete with DURAN® GLS 80® bottle (250 ml), 1x GLS 80® cap (PP, grey / blue), 1x GL 14 screw cap (PP, blue), 2x GL 14 screw cap (PBT red), 2x GL 18 screw cap (PBT red)	GLS 80	62		1
12 003 80	Stirred reactor anchor type, magnetic, complete with DURAN® GLS 80® bottle (1 000 ml), 1x GLS 80® cap (PP, grey / blue), 1x GL 14 screw cap (PP, blue), 2x GL 14 screw cap (PBT red), 2x GL 18 screw cap (PBT red)	GLS 80	62		1
12 003 81	Stirred reactor anchor type, magnetic, complete with DURAN® GLS 80® bottle (2 000 ml), 1x GLS 80® screw cap (PP, grey / blue), 1x GL 14 screw cap (PP, blue), 2x GL 14 screw cap (PBT red), 2x GL 18 screw cap (PBT red)	GLS 80	62		1
Accessories for GLS 80® stirred reactor					
12 003 82	Stirrer impeller type, magnetic, for GLS 80® stirred reactor			62	1
12 003 83	Stirrer anchor type, magnetic, for GLS 80® stirred reactor		62		1
12 003 85	Spare screw cap for GLS 80® stirred reactor, PP, blue/grey	GLS 80			1
12 003 86	Spare shaft for GLS 80® stirred reactor, stainless steel, including PEEK connection				1

DURAN® GLS 80® CONNECTION CAP SYSTEM FOR OVERHEAD MIXER



For use with overhead laboratory mixers, Materials used: PP and PTFE. Flexible modular system with a central ground joint 29/32 fitting. Five different tubing diameters (3.2 mm; 6.0 mm; 8.0 mm; 10.0 mm and 12.0 mm) can be used by changing the inserts. Sterile pressure equalisation is possible by using the syringe filter. Unused ports can be closed with a blind cap. Components: Screw Cap GLS 80® with NS 29/32 (Cat. no. 11 601 75), KPG Stirrer Shaft WS 10 (Cat. no. 24 583 84 04), KGP Stirrer Bearing HB 10 (Cat. no. 24 750 09 06), Screw Cap GL 14 (Cat. no. 29 240 08 14, 2 pieces) and Screw Cap GL 18 (Cat. no. 29 240 11 16, 2 pieces). Not supplied with GLS 80® bottle.

Typical applications: safe transfer of liquid media within a closed and sterile system (evaporation is reduced).

Cat. No.	Pack Unit
29 120 91 04	1

