

PART OF THE **DURAN**® BOTTLE SYSTEM

DURAN® GL 45 STIRRED BOTTLE REACTOR SYSTEM

The perfect support
for your mixing processes



DWK LIFE SCIENCES
DURAN WHEATON KIMBLE

DURAN® GL 45 STIRRED BOTTLE REACTOR SYSTEM – THE PERFECT SUPPORT FOR YOUR MIXING PROCESSES



FEATURES & BENEFITS

- Drive using standard magnetic stirrers
- Variable stirrer shaft, can be used for 500 ml and 1 000 ml DURAN® GL 45 laboratory glass bottles
- Can be used up to 500 rpm
- Completely autoclaveable
- Temperature resistant up to 140 °C
- Compatible with the proven DURAN® connection systems; hoses with bores from 1.6 mm to 6.0 mm can be fitted
- Significantly improved through mixing compared to standard magnetic stirring bar
- Materials used PP / PTFE / PEEK / stainless steel
- Parts in contact with media conform fully to FDA requirements
- Supply includes bottle (optional)

APPLICATION AREAS

The mentioned features and benefits make the DURAN® stirred bottle reactor system ideal for the widest possible range of mixing processes in laboratories, e.g. mixing liquids or dissolving solids. The connections available permit you to introduce other media into the bottle or remove media during mixing.

The whole assembly is autoclaveable, so that it can be used in biological applications, for simple fermentation processes, for example. With the aid of components from the DURAN® connection system you can connect extra media bottles or fit a sterile pressure release.

ORDERING INFORMATION

Description	Cat. No.
DURAN® GL 45 Stirred Bottle Reactor Set, complete with 500 mL bottle (clear), screw cap (PP, blue), 2 GL 14 ports and 2 GL 14 caps (PBT, red) and folding magnetic stirrer	12 003 95
DURAN® GL 45 Stirred Bottle Reactor Set, complete with 1000 mL bottle (clear), screw cap (PP, blue), 2 GL 14 ports and 2 GL 14 caps (PBT, red) and folding magnetic stirrer	12 003 96
DURAN® Folding Magnetic Stirrer with Shaft, for GL 45 stirred bottle reactor	12 003 91
DURAN® GL 45 Replacement Screw Cap (PP, blue/grey), with 2 GL 14 ports and 2 GL 14 caps (PBT, red), for GL 45 stirred bottle reactor, without stirrer	12 003 90

The following components of the GL 45 connection system can be used for a secure tube connection

Description	DIN Thread GL	Pack Unit	Cat. No.
DURAN® GL 14 Screw Cap open top, for tube connection, PP, blue	14	2	11 298 14
DURAN® Insert for GL 14 Screw Cap, inner diameter 1.6 mm (1/16 inch), silicone/PTFE		1	11 298 15
DURAN® Insert for GL 14 Screw Cap, inner diameter 3.0 mm (~1/8 inch), silicone/PTFE		1	11 298 16
DURAN® Insert for GL 14 Screw Cap, inner diameter 3.2 mm (1/8 inch), silicone/PTFE		1	11 298 17
DURAN® Insert for GL 14 Screw Cap, inner diameter 6.0 mm (~1/4 inch), silicone/PTFE		1	11 298 18
DURAN® GL 14 Blanking Screw Cap, with PTFE coated silicone seal, PBT, red	14	2	11 562 92
DURAN® GL 14 Pressure Equalization Set, for GL 45 2 or 3 port screw cap, incl. 0.2 µm syringe disc filter		1	11 377 99
DURAN® Replacement 0.2 µm Syringe Disc Filter, for pressure equalization set		2	11 298 19

You can obtain these products from your specialist laboratory ware dealer.

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