Screwcaps for Pyrex Media-lab bottles
Connection system

Connection system screwcaps for Pyrex® GL 45 media-lab bottles facilitate the transfer of liquids within a closed and sterile system, ideal for chemistry and biotechnology laboratories.

One system – many advantages

- Features standard GL 45 screwthread
- Four different tube diameters can be accommodated (1.6mm, 3.0mm, 3.2mm and 6.0mm)
- Screwcaps and components are reusable as they are manufactured from Polypropylene and PTFE
- Flexible modular system allows users to tailor assemblies according to the application
- Screwcaps and components are temperature resistant to 140°C
- Autoclavable and dishwasher safe

Begin by choosing a two or three port connection system screwcap, add tubing adapters and inserts to attach tubing. Four different tubing diameters can be accommodated. The additional membrane filter with 0.2 μm sized pores permits sterile pressure equalisation when positioned in a port. Unused ports can be sealed with a blanking cap.

Components are fully interchangeable and compatible with both two and three port screwcaps.

Applications for connection system screwcaps

- Converts standard bottles to reservoirs for the feeding of HPLC automated machines with solvents (eluents)
- Disposal of waste media
- Titration systems
- Biotechnology processes e.g. to pump additives such as culture media from reservoir vessels into reaction vessels
- Automated closed processes to transfer pure, sterile media
- Transfer of harmful and toxic substances in closed systems to reduce out gassing
Membrane screwcap

Manufactured from Polypropylene, membrane screwcaps have a welded-in PTFE membrane that can be used with any bottle or flask with a GL 45 screwthread.

The gas permeable membrane with 0.2 μm pores, permits pressure equalisation allowing glassware to be sterilised using an autoclave with the screwcap fastened – eliminating contamination from dust, dirt and ingress from other liquids and solids.

Applications for membrane screwcaps

- Membrane is gas permeable, not liquid permeable
- Suitable for storage of gas generating media
- Autoclavable
- Ideal for aerobic microbiology and cell culture
- Temperature resistance to 140°C

Twin hose connector

The twin-hose connector screwcap manufactured from Polypropylene is a versatile screwcap with two connectors that allows GL 45 media-lab bottles to be connected with flexible tubing. Suitable for use with soft elastic tubing that has an inner diameter of 6 – 9mm (such as Viton®, Tygon® or other silicon tubing). Bottle contents can be kept sterile with an optional venting connector with a 0.2μm syringe filter.

- The top angled connectors prevent kinks in the tubing
- Screwcap can be removed without the need to remove the tubing as the centre rotates freely
- Temperature resistance to 140°C
- Autoclavable
- Dishwasher safe

Bottle pourer

Manufactured from white PTFE and blue polypropylene the bottle pourer screwcap aids the dispensing of liquids from bottles and flasks with a GL 45 screwthread. The bottle pourer provides the user with greater control of flow when used with large capacity bottles that can be difficult to handle.

- Ideal for use with large capacity bottles and flasks
- Supplied complete with venting tube and attached cap
- Temperature resistance to 140°C
- Autoclavable
- Dishwasher safe
### Technical & ordering information

**Three port with blanking cap, tubing adapter and membrane filter**

- **Three port: 4537/04**
- **Two port with tubing adapter and membrane filter**
  - **Two port: 4537/02**
- **Twin hose connector fitted with syringe filter**
  - **Twin hose connector: 4537/06**

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Pack qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4537/02</td>
<td>GL45 screwcap with two GL14 ports</td>
<td>2</td>
</tr>
<tr>
<td>4537/04</td>
<td>GL45 screwcap with three GL14 ports</td>
<td>2</td>
</tr>
<tr>
<td>4538/02</td>
<td>GL14 screwcap with tubing outlet</td>
<td>1</td>
</tr>
<tr>
<td>4538/04</td>
<td>GL14 screwcap with PTFE coated insert</td>
<td>1</td>
</tr>
<tr>
<td>4539/02</td>
<td>Insert for GL14 screwcap with tubing outlet, 1.6mm ID</td>
<td>1</td>
</tr>
<tr>
<td>4539/04</td>
<td>Insert for GL14 screwcap with tubing outlet, 3.0mm ID</td>
<td>1</td>
</tr>
<tr>
<td>4539/06</td>
<td>Insert for GL14 screwcap with tubing outlet, 3.2mm ID</td>
<td>1</td>
</tr>
<tr>
<td>4539/08</td>
<td>Insert for GL14 screwcap with tubing outlet, 6.0mm ID</td>
<td>1</td>
</tr>
<tr>
<td>4539/10</td>
<td>Pressure compression set for GL14 ports (incl. 0.2 μm syringe filter)</td>
<td>1</td>
</tr>
<tr>
<td>4541/02</td>
<td>Spare 0.2 μm syringe filter for pressure compression set</td>
<td>2</td>
</tr>
</tbody>
</table>

**Twin hose connector**

- **4537/06** Twin hose connector screwcap with GL45 screwthread | 2
- **4541/04** 0.2 μm syringe filter with hose connector adapter | 2

**Membrane screwcap**

- **4507/45D** Membrane screwcap with PTFE 0.2 μm membrane & GL 45 screwthread | 5

**Bottle pourer**

- **4542/02** PTFE bottle pourer with GL 45 screwthread | 1