

## T-SERIES BOTTLE CAPS

### Luer ports combined with straight-through tubing connections plus optional check valve and filter

- Straight-through connection for 1/8" OD semi-rigid tube e.g. PTFE, ETFE, FEP.
- Other sizes and types of tube can be connected using Luer adaptors.
- Optional check valve and filter allows pressure equalization and prevents particulate contamination
- Ideal for vacuum applications

The Omnifit® T-series is a very easy to use and versatile range of caps that require no additional fittings to connect 1/8" OD semi-rigid tubing. Tubing pushes straight through the port creating a liquid and vapor-tight seal.

### Anti-twist design

The anti-twist design allows the PTFE body to spin freely within the outer blue cap. This means no more twisted tubes when the cap is fitted or removed and no need to disconnect fluid lines before unscrewing the cap. See more details in Technical Data (page 14).

### Tubing connections

- 1/8" OD semi-rigid tubing pushes straight through the port creating a liquid and vapor-tight seal.
- 1/16" OD semi-rigid tubing can be connected using a Luer adaptor part #009LA (page 10).
- Softwall tubing such as peristaltic pump tubing can be connected using one of a range of Luer to barb adaptors available separately (see page 10).
- Luer ports also mean you can easily and securely remove liquid using a syringe - no septum to pierce, just fit the male Luer of the syringe into a port.

### Integral check valve and filter

The optional check valve and filter offers many advantages for the laboratory user. The one-way check valve:

- Allows pressure equalization - as liquid is drawn out of the bottle under vacuum, air is allowed in preventing dangerous negative pressurization of the bottle.
- Prevents vapor escape - helping protect the laboratory environment and personnel from dangerous chemical vapor.
- Helps conserve valuable contents from evaporation - minimizing the loss of valuable chemicals and risk of concentrations and mixtures changing ratio.
- The air inlet is covered by a 10µm filter to prevent particulate contamination.

### Materials

The solid PTFE inner body provides the highest chemical inertness. The PTFE creates a reliable seal to the glass bottle with no need for extra seals or O-rings. In normal use, the outer cap is not wetted.

Component	Material
Outer cap	Glass-filled PP
Inner sealing face	PTFE
Check valve	Fluorocarbon
Filter	10µm PTFE

## SPECIFICATIONS



### Pressure & temperature ratings

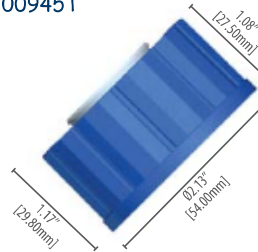
T-series caps are ideal for use in vacuum applications. T-series caps without an integral check valve and filter can also be used in positive pressure applications but only when 1/8" OD through tubes are used. T-series caps with male Luers fitted are not recommended for positive pressure applications. All caps are rated for continuous use at 50°C and can be autoclaved.

Type	Vacuum	+Ve pressure
T-series without valve*; with 1/8" OD through tubes	-10 psi	20 psi
T-series without valve*; with male Luers	-10 psi	Not recommended
T-series with valve*	-10 psi	Not recommended

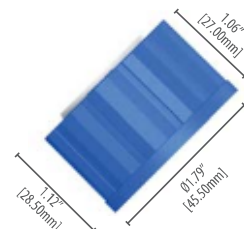
CAUTION! Use only vacuum or pressure-rated bottles

### Dimensions

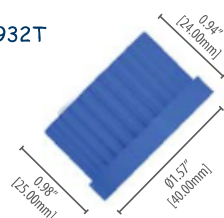
00945T



00938T & 00938PT



00932T



Ordering information

T-series caps with integral check valve and filter

GL45 THREAD				
PART NUMBER	BOTTLE THREAD	PORTS	CHECK VALVE & FILTER	QTY
00945T-2F	GL45	2 x Luer	YES	ea
00945T-3F	GL45	3 x Luer	YES	ea
00945T-4F	GL45	4 x Luer	YES	ea
38-430 (GL38) GLASS BOTTLE THREAD				
00938T-2F	38-430	2 x Luer	YES	ea
00938T-3F	38-430	3 x Luer	YES	ea
00938T-4F	38-430	4 x Luer	YES	ea
38-430 (GL38) PLASTIC BOTTLE THREAD				
00938PT-2F	38-430	2 x Luer	YES	ea

T-series caps without integral check valve and filter

GL32 THREAD				
PART NUMBER	BOTTLE THREAD	PORTS	CHECK VALVE & FILTER	QTY
00932T-2	GL32	2 x Luer	NO	ea
GL45 THREAD				
00945T-2	GL45	2 x Luer	NO	ea
00945T-3	GL45	3 x Luer	NO	ea
00945T-4	GL45	4 x Luer	NO	ea
38-430 (GL38) GLASS BOTTLE THREAD				
00938T-2	38-430	2 x Luer	NO	ea
00938T-3	38-430	3 x Luer	NO	ea
00938T-4	38-430	4 x Luer	NO	ea
38-430 (GL38) PLASTIC BOTTLE THREAD				
00938PT-2	38-430	2 x Luer	NO	ea



\* Except 00938PT caps. These caps are designed to fit plastic bottles which are unsuitable for vacuum or pressurized applications. Therefore, 00938PQ caps are not pressure-rated.