

Standard Single-Use Bottle Assembly Systems

Fluid transfer systems can easily consist of multiple components that all need to be sourced, purchased, inventoried, and assembled. With the Thermo Scientific™ Standard Single-Use Bottle Assembly Systems, we can relieve you of the burden of managing individual components and validating the systems in-house. Realize labor savings and mitigate risk by leaving the assembly and processing to us. These easy-to-order configured solutions include rigid support containers with preconfigured cap sets, and are delivered gamma-irradiated for use right out of the package.

Applications

- Media and buffer transfer
- Product sampling
- Harvest collection and bulk storage
- Filtration and purification process connection

Key benefits

- Designed for a broad range of applications, including bioproduction, life science, and general lab use.
- Helps eliminate setup and post-use cleaning steps required for reusable containers
- Helps reduce cross-contamination risks
- Allows process-specific flexibility with multiple bottle sizes



Assembly details

- Bottles are available in polycarbonate (PC) and polyethylene terephthalate glycol (PETG) contact surfaces
- Each bottle is topped with an assembly including a cap, puck, and tubing
- Most assemblies contain two ports with C-Flex™ tubing; the 2 L size includes a third port, also with C-Flex tubing
- One line on each assembly is dedicated to venting.
- The second and third lines are for liquid transfer and include 1/8 in. plug fittings, to be used with your preferred welding or sealing equipment
- Fluid path of the finished product has been validated according to AAMI TIR33 with a 10⁻⁶ sterility assurance level (SAL)

Ordering information

Size	Material	Closure	Tubing connection	Tubing length, in. (cm)	Fluid path ID x OD, in. (mm)	Cat. No.
125 mL	PC	38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00001I
250 mL		38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00002I
500 mL		38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00003I
1 L		38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00004I
2 L		53 B	Port 1: PP tube plug port Port 2: Vent filter port Port 3: PP tube plug	Port 1: 12 (30.48) Port 2: 3 (7.62) Port 3: 12 (30.48)	Port 1: 1/4 x 3/8 (6.4 x 9.6) Port 2: 1/4 x 3/8 (6.4 x 9.6) Port 3: 1/4 x 3/8 (6.4 x 9.6)	SB00005I
125 mL	PETG	38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00006I
250 mL		38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00007I
500 mL		38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00008I
1 L		38–430 mm	Port 1: PP tube plug port Port 2: Vent filter	Port 1: 24 (60.96) Port 2: 2 (5.08)	Port 1: 1/8 x 1/4 (3.2 x 6.4) Port 2: 1/8 x 1/4 (3.2 x 6.4)	SB00009I
2 L		53 B	Port 1: PP tube plug port Port 2: Vent filter port Port 3: PP tube plug	Port 1: 12 (30.48) Port 2: 3 (7.62) Port 3: 12 (30.48)	Port 1: 1/4 x 3/8 (6.4 x 9.6) Port 2: 1/4 x 3/8 (6.4 x 9.6) Port 3: 1/4 x 3/8 (6.4 x 9.6)	SB00010I

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