

INNOVATIVE MANUFACTURER

of single-use process components & assemblies serving the life science, pharmaceutical and medical industries.

 whkbiosystems.com
 info@whkbiosystems.com
 855-WHK-BIO1 (945-2461)



THE WHK DIFFERENCE

- Maintain fluid path integrity
- Zero cleaning validation
- Component traceability
- Ideal for single-use systems
- Complete assembly capabilities
- Customizable solutions

COMPLETE BOTTLE ASSEMBLY TECHNICAL DATA

WHK BioSystems provides customers with a complete assembly solution through our ISO 13485 certified, FDA registered, Class 7 cleanroom manufacturing facilities. With our reliable supply chain management, we can furnish a product that includes component traceability during the manufacturing process, zero product cleaning, and 100% fluid path integrity. WHK offers a wide variety of stopper configurations, containers and accessories that meet the rigorous standards of the biopharmaceutical, laboratory and life science industries. All materials are USP Class VI approved.

ANATOMY OF ASSEMBLY



WHK BioSystems offers a number of options and accessories when it comes to complete bottle assembly:

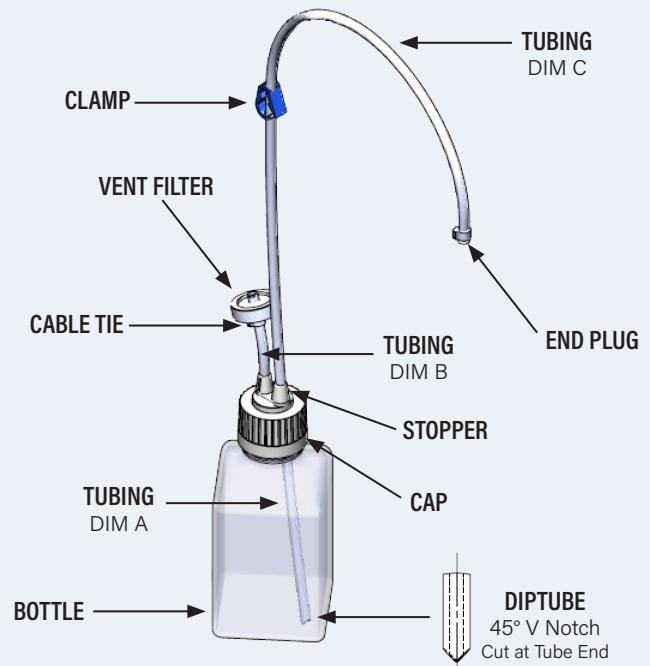
- Bottle choices come in a range of size, style and material options.
- Overmolded stoppers with multiple ports (positions or holes) that allow for easy access to bottle materials via W-TPE™ tubing without the full removal of stopper.
- W-TPE™ tubing is offered in a variety of diameters, thicknesses and cut-to-length sizes. Diptube notches are cut standard.
- Bottle caps fit most industry bottles and come in standard white. Optional colors for bottle identification are available.
- Customization options and components from industry brands are available upon request.

BOTTLE ASSEMBLY PARTS DESCRIPTION

Filter, PVDF, 25 mm, .2µm
Open Top Cap, White, Polypropylene
TPE Overmolded Stopper, ADCF
End Plug, Polypropylene, ADCF
Pinch Clamp, Polypropylene, ACDF
PETG Bottle*
W-TPE™ Tubing*

*See chart on reverse side for complete part details.

TYPICAL BOTTLE ASSEMBLY





The charts below provide guidance on choosing the proper container size, style and material, as well as stopper port arrangement, gamma dosing and W-TPE™ tubing length. Refer to our W-TPE™ Tubing Technical Data for complete details on tubing properties.

BOTTLE SIZE CHART



PART NO.	PORTS	BOTTLE MTL	FEED LINE ID	VENT LINE ID	IRRADIATION	DIM A	DIM B	DIM C
STPWB2-125-125mL-G	2	125mL PETG	.125"	.125"	Yes	4.50"	3"	18"
STPWB2-125-250mL-G	2	250mL PETG	.125"	.125"	Yes	6.00"	3"	18"
STPWB2-125-500mL-G	2	500mL PETG	.125"	.125"	Yes	7.50"	3"	18"
STPWB2-125-1L-G	2	1L PETG	.125"	.125"	Yes	9.00"	3"	18"
STPWB2-125-2L-G	2	2L PETG	.125"	.125"	Yes	11.25"	3"	18"
STPWB2-250-1L-G	2	1L PETG	.250"	.125"	Yes	9.00"	3"	18"
STPWB2-250-2L-G	2	2L PETG	.250"	.125"	Yes	11.25"	3"	18"
STPWB2-125-125mL	2	125mL PETG	.125"	.125"	No	4.50"	3"	18"
STPWB2-125-250mL	2	250mL PETG	.125"	.125"	No	6.00"	3"	18"
STPWB2-125-500mL	2	500mL PETG	.125"	.125"	No	7.50"	3"	18"
STPWB2-125-1L	2	1L PETG	.125"	.125"	No	9.00"	3"	18"
STPWB2-125-2L	2	2L PETG	.125"	.125"	No	11.25"	3"	18"
STPWB2-250-1L	2	1L PETG	.250"	.125"	No	9.00"	3"	18"
STPWB2-250-2L	2	2L PETG	.250"	.125"	No	11.25"	3"	18"

BOTTLE STYLES & SIZES



STYLE	CARBOY	SQUARE BOTTLE	ROUND BOTTLE	FLASK
SIZES	4L to 50L	30mL to 4L	3mL to 50L	125mL to 2000mL
MATERIAL	PP/PCO, HDPE, LDPE, PC, FLPE	PPCO, HDPE, PC, PETG	PPCO, PC, PMP, FEP	PPCO, PC, PMP, FEP
COLORS	White Translucent, Clear, Yellow Tint	White Translucent, Clear, Yellow Tint	White Translucent, Clear	White Translucent, Clear
OPTIONS	With/Without Spigot	Wide or Narrow Mouth, Dilution	Wide Mouth, Narrow Mouth	Baffled

PLASTIC MATERIALS



PP/PCO	Polypropylene	Good chemical compatibility, autoclavable, BPA-free
HDPE	High Density Polyethylene	Good chemical compatibility, not autoclavable, BPA-free
PC	Polycarbonate	Impact resistant, freezer to autoclave, Contains BPA
PETG	Polyethylene Terephthalate (Copolymer G)	Pre-sterilized, not autoclavable, BPA-free

