

BUBBLE TRAP

MODEL #53B



FLOWTECH DIV.

Teknoflow Inc. Atlanta, GA USA

APPLICATIONS

Introducing Flowtech's **#53B Bubble Trap** for the pharmaceutical industry. Our traps are used as air separators to remove pockets of air from hindering pharmaceutical solutions during critical processes. The **#53B Bubble Traps** are used for such processes such as chromatography.

DESIGN

The simple and ultra-clean design of the **#53B Bubble Trap** allows for easy installation and maintenance. The design of the trap consists of a glass tube compressed between flanges. The double nut tensioning arrangement allows for easy assembly / disassembly and the tie rods can be used for side mounted leveling sensors. A wide array of sizes and port configurations allows for maximum customization for specific applications. Sanitary Tri-Clamp port connections, **electropolished** stainless surface finish, **USP Class VI** elastomers and the most **comprehensive documentation package** (including material test reports and surface finish certification) as standard features will ensure that the **#53B Bubble Trap** will meet today's pharmaceutical needs.

MATERIALS

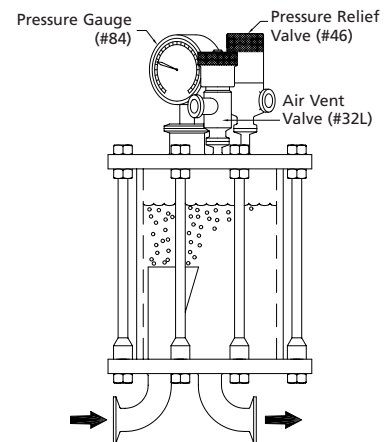
All wetted surfaces are **electropolished 316L** stainless steel. Wetted "glass" material is Borosilicate. O-ring elastomers are **USP Class VI** in EPDM, Silicone, or Viton.

OPTIONAL

- Mechanical polish of 15-25 Ra (0.4 - 0.6 micron, μm) with **electropolish** ID Finish
- **Hastelloy-C** and **AL6XN** wetted metal material
- Acrylic "glass" available for high pressure applications
- Acrylic guard over wetted "glass" cylinder material for extra protection
- Teflon Wetted Elastomers
- Valves and Level Sensors available

Size	Approx. Capacity Range gpm (lpm)	Borosilicate Glass Tube	Acrylic Tube
		Max. system Pressure psig (bar)*	
53B-3 53B-3L 53B-3XL	0.5 - 1 (2 - 4)	150 (10)	300 (20)
53B-4 53B-4L 53B-4XL 53B-4XXL	1 - 3 (4 - 10)	150 (10)	300 (20)
53B-6 53B-6L 53B-6XL 53B-6XXL	3 - 7 (11 - 26)	100 (7)	225 (15)
53B-10 53B-10L 53B-10XL	7 - 30 (26 - 113)	90 (6)	225 (15)
53B-15 53B-15L	30 - 60 (113 - 230)	75 (5)	150 (10)

Size	Inlet/Outlet Port Sizes					Top Port Sizes				
	0.5"	0.75"	1.0"	1.5"	2.0"	0.5"	0.75"	1.0"	1.5"	2.0"
53B-3, 3L, 3XL	X					X	X			
53B-4, 4L, 4XL, 4XXL	X	X				X	X	X	X	
53B-6, 6L, 6XL, 6XXL		X	X	X	X	X	X	X	X	X
53B-10, 10L, 10XL		X	X	X	X	X	X	X	X	X
53B-15, 15L			X	X	X	X	X	X	X	X



* 1 cps (water at ambient temp)
Technical changes without notice



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