



Bubble Trap Data Sheet

Description

Sepragen Standard Bubble Traps are designed to remove bubbles from liquid (load or buffer) entering a column (Axial or Radial). Typically designed for a 20 sec. residence time, that ensures that bubbles are entrapped above the liquid level surface which is close to the inlet riser. The outlet is at the bottom of the bubble trap.

Standard Bubble Trap - Option 1 (27 L)

Bubble traps are offered with several material configurations:

- I.) Polypropylene ends and acrylic / polysulfone body
- II.) 316L S.S. ends and USP Type I Borosilicate Glass / acrylic / polysulfone body

The sizes range from 250 mL to 30 L. The top head has provision for vent port with manual or automated vent valve, a pressure gauge (display or display + transmitter), a rupture disk, and an optional port for mounting an ultrasonic level sensor which can be programmed with Low / Low, Low, High and High / High alarms to ensure timely air ejection and fill and prevent air ingress into the column. The bubble traps are rated to 3 bar. Construction is per BPE standards and all elastomers / plastics are USP Grade VI and ADI Free.

High Performance Bubble Trap (Patent Pending) Option 2

This design improves on conventional bubble trap design by reducing Bubble Trap volume significantly through 2 innovations:

- I.) Disc barrier that creates a barrier to downward entrainment of bubbles
- II.) A sintered open tube above disc that allows lateral flow of liquid while reducing upward velocity and preferentially directing air upwards rather than downward.



33470 Western Ave, Union City CA 94587
PHONE: +1 510-475-0650 FAX: +1 510-440-5395
[HTTP://WWW.SEPRAGEN.COM](http://www.sepragen.com)



Standard Bubble Trap

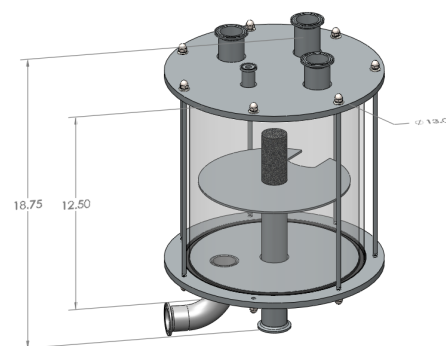
Technical Info

27 L Bubble Trap

Pressure Rating: 3.5 Bar
Volume: 27 L
Sight Tube Dimensions: Dia 10"
Height: 22.5"

15 L Bubble Trap

Pressure Rating: 3.5 Bar
Volume: 15 L
Sight Tube: 10"
Height: 12.5"
Other Info:
Top Connections: 3 x 1.5" tri-clamp,
1 x 3/4" tri-clamp
Bottom Connections: 2 x 1.5" tri-clamp
Materials:
Top, Bottom Plates: 316L S.S.; 0.25 Ra
Sight Tube: Acrylic (USP Grade VI and ADI Free)



High Performance Bubble Trap

To learn more call:
(510) 475-0650
E-mail: info@sepragen.com