

No bubbles. No troubles

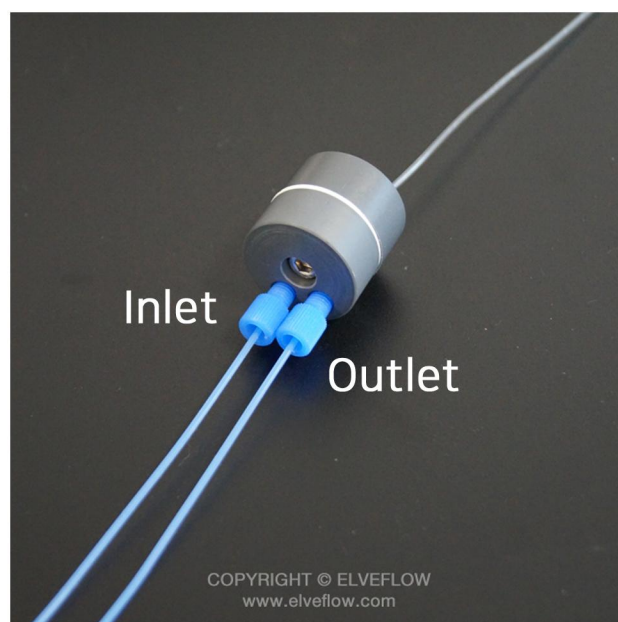
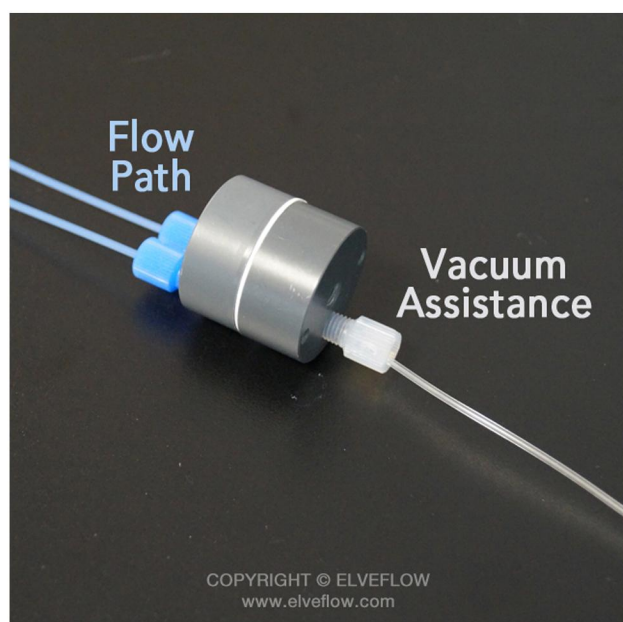
Microfluidic bubble trap kit

Gaz bubbles are expelled trough the membrane to the back outlet.



Bubble free liquid sample coming out the bubble trap

Liquid sample with bubbles pushed towards the bubble trap



Microfluidic bubble trap kit

Applications

In-line removal of bubbles, with or without vacuum connection. This Bubble Trap can be used for effective bubble removal in perfusion culture experiments or any microfluidic experiment in which inadvertently introduced bubbles could negatively affect operation and experimental outcome.

Kit Contents

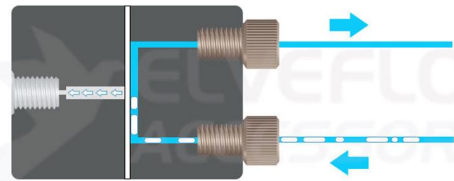
Microfluidic Bubble Trap (1x): Available in 3 variations (44 μ L (S) - 97 μ L (M) - 320 μ L (L)), this device has two 1/4"-28 UNF female threaded fluidic ports on the front side (fluidic path) and one optional 1/4"-28 UNF female threaded ports on the rear side for vacuum connection.

Replacement Membranes (X1): membrane service time depends on the kind of fluid used. For pure water, the lifetime can be several months or years. Buffer solutions significantly reduce lifetime and it is strongly recommended to flush the Bubble Trap with de-ionized/distilled water after use to prevent salt crystals forming.

Specifications

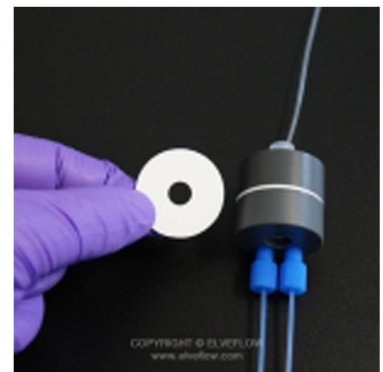
Front	PVC
Back	PVC
Membrane	Porous PTFE (10 μ m pores)
Threaded ports	1/4"-28 UNF
Internal Volume	44 μ L (S) - 97 μ L (M) - 320 μ L (L)
Inlet & Outlet port \varnothing	3 mm
Vacuum port \varnothing	2 mm
Pressure rating	30 psi (2 bar)

Principle



Liquid containing bubbles is pushed against a microporous teflon membrane and bubbles are expelled through this membrane.

Easy to replace filters



1. Unscrew the screw with a hexagon wrench
2. Replace membrane filter
3. Tighten the screws and you're done