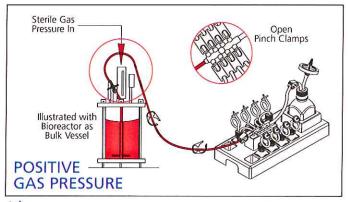




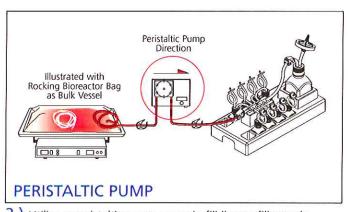
Sampling Manifolds, SM-4-R, SM-8-R

FILLING TECHNIQUES:

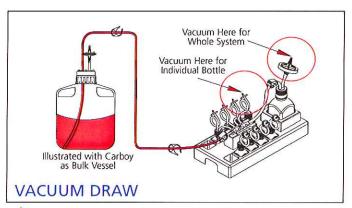
Purge main line before filling any sample bottles. Fill any number or all bottles by opening their pinch clamps. Purge main line as required between sampling batches.



1.) Positive gas pressure can be used through bulk vessel to force fluid into manifold and bottles.

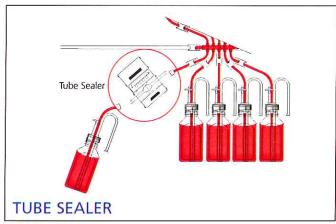


2.) Utilize a peristaltic pump on main fill line to fill vessels.

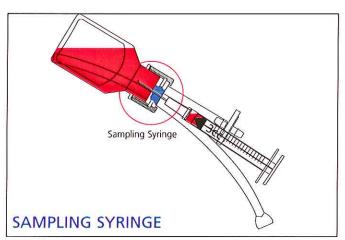


3.) Use a vacuum on vent filters to draw fluid through whole system or individual bottles.

SAMPLE REMOVAL TECHNIQUES:



1.) Use a tube sealer between bottle and manifold to remove individual bottles, keeping integrity of contents. Bottle may then be welded where needed.



2.) For non-critical applications, a sampling syringe through the EZ Top closure may be used.

DISPOSAL:

Fax: 813.249.1992

Follow appropriate BPSA disposal guidelines, depending upon company policy, volume and biohazard level.



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Sampling Manifolds, SM-4-R, SM-8-R **Product Information**

Economically designed for the single-use market, Bio-Simplex™ Sampling Manifold Systems are available in either a four or an eight bottle sterile configuration with an additional purge bottle at the end of the manifold. Each 60ml bottle is connected to a Bio-Simplex Closure Assembly comprising an EZ Top® container closure, 10 inches of tubing with a pinch clamp, a 0.2 µM vent filter and polypropylene cap. All EZ Tops, tubing and manifolds are made from pharmaceutical grade, animal derived component free (ADCF), thermoplastic elastomer (TPE) resin — engineered to ensure an unobstructed fluid path, a secure elastomeric seal against each bottle with extremely low levels of extractables. Bio-Simplex Sampling Manifolds are easily used with tubing welders and thermal tubing sealers. They are sold double bagged and gamma irradiated and can be ordered with an optional tray.

This document is intended as a guideline to provide general instructions for use.

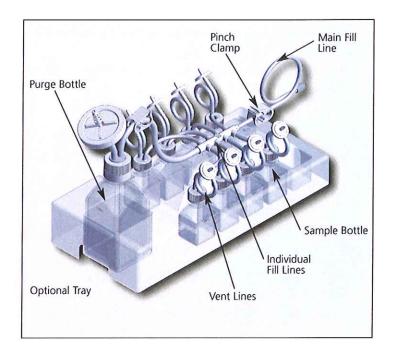
UNPACKAGING:

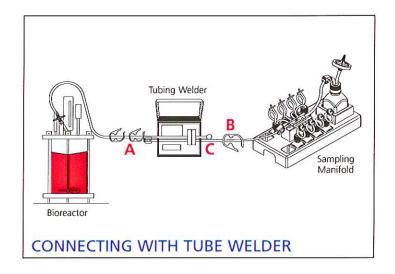
In a controlled environment or designated area, remove sampling manifold from polybags and discard all packaging material. Load manifold into optional tray for transport and handling. Snap tubing at both ends of the manifold into tray backbone for additional stability.

TECHNIQUE FOR CONNECTING TO BULK VESSEL:

Close off pinch clamps on tubing from bulk vessel (A) and Main Fill Line (B). Mount Main Fill Line into tubing welder (C). Mount tubing sampling line from bulk vessel into other side of tubing welder. Weld tubing according to welder protocol.

(Continue on back with Filling and Sample Removal Techniques.)







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