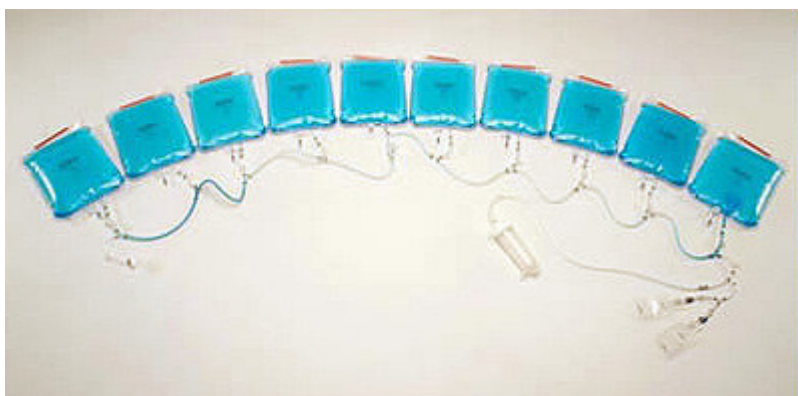


Solution Handling System: Flexboy® Bag Manifold

Single-use disposable manifold systems - a set of interconnected bags around a common central filling line allowing simultaneous distribution and sterilization of the fluid stream (see figure 6). In many cases the single-use manifolds are pre-fitted with a disposable sterilizing filter capsule on the filling line (0.2 or 0.1µm). There are two types of manifold corresponding to two different applications:

- Manifolds allowing the dispensing of a liquid volume made up for a given batch (cell culture media, buffers, intermediate or final product) into several bags of smaller volume. These bags are then stocked and used according to the needs of the given process
- Manifolds allowing multiple sampling over a given period of time for quality control purposes, ideal for use with perfusion cell culture systems for example.



Dispensing manifolds may contain 2-15 bags ranging from 5L-50L, and may also be fitted with additional sampling sub-systems to enable in-line sampling at the time of dispensing.

Sampling manifolds may utilise between 2-20 small Flexboy® Bags. Where samples are taken over an extended period of time, additional connections can be made to collect rinses performed between sampling in order to prevent contamination.

Customization

Manifold systems are typically delivered upon request totally assembled, sterile, pyrogen-free and, are therefore, immediately ready to use.

Logistics

For more information regarding the Logistics of Manifold handling (facilitating), see the Flexboy® Tray and Rack System.