

THE PRESSURE IS ON Flex Concepts Introduces Pressurized bioSolution Containers:

In many biological processes the use of pulsating pumps is undesirable. The choice available to process engineers is limited due to requirements to maintain sterility. The method of choice is to use positive pressure to move liquid materials from one process vessel to areas of further processing. Because of the move to more flexible and disposable process systems, it is advantageous to develop a pressurized processing system involving the use of Flex Concepts single use bioSolution Containment Systems.

Pressurization to move materials has several advantages over the use of positive displacement (peristaltic) pumps:

1. Steady continuous product flow at constant pressure.
2. There is no danger of over-pressure and/or line rupture in the event of a blocked line or plugged filter.
3. Minimal equipment requirement resulting in reduced capital and maintenance costs.
4. Flexibility, ease of transport, and precise control of process.

The use of flexible /disposable liquid containers has several advantages over the use of fixed rigid tanks.

- 1 Elimination of cross contamination concerns.
- 2 Reduced cleaning and validation costs.
- 3 Process flexibility/reduced tankage requirements.
- 4 Improved utilization of available production space.

Flex Concepts Pressurized bioSolution Containment Systems provide the advantages of flexible process systems and positive liquid transfer.

1. Easy to assemble and operate
2. Transportable.
3. Easy to clean and validate.
4. Can be designed to fit existing tanks.
5. Maximum personnel and product safety.