

High Pressure Filtration

The Challenge

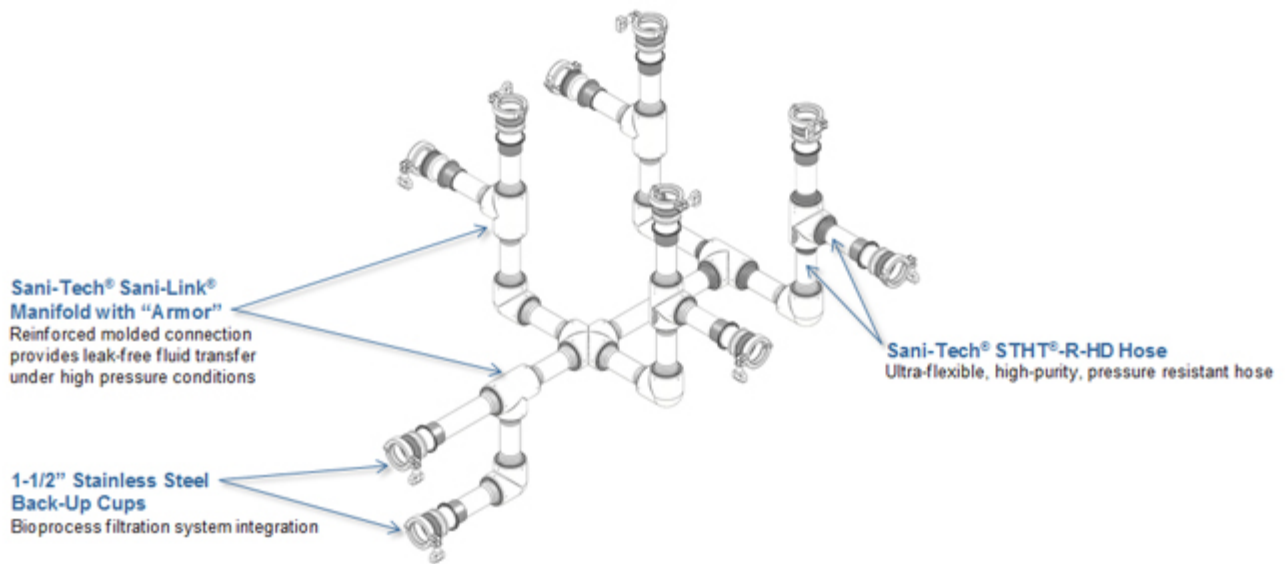
A vaccine developer's downstream filtration process required laborious Clean-in-Place (CIP) / Steam-in-Place (SIP) steps in support of their validation process. They desired a customized plug-and-play single-use system that would streamline their biomanufacturing process by replacing their current multi-use equipment. They contacted Saint-Gobain to develop a single-use system that would mate to their newly designed filtration cart and also have the ability to withstand a pressure of 50 psi.

The Saint-Gobain Collaborative Design Services' Solution

Saint-Gobain Design Services developed an innovative Sani-Tech® Sani-Link® manifold with reinforced "armor" that was leakproof and supported the 50 psi pressure requirement. Frequent communication with the customer during the development phase led to initial conceptual designs, then several prototypes were prepared. 1" ID Sani-Tech STHT®-R-HD tubing was incorporated to provide ultra-flexibility, high purity and endure high pressure conditions. Stainless steel back-up cups with nylon collars were integrated into the design to mate to their new filtration cart.

Customer Experience

The customer was impressed with Saint-Gobain's vested interest in solving their high pressure filtration needs and the development of Sani-Link "Armor" that followed. Saint-Gobain's ability to integrate single-use systems with existing multi-use stainless steel production equipment was well-recognized and led to future high pressure bioprocess development opportunities with this customer.



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