Filtration/purification
Following fermentation a number of filtration and purification steps are performed with each step requiring one or more connections. Buffer additions are easily made with MPC/MPX connectors in combination with SaniQuik™ adaptors. Applications such as product transfer or closed-loop TFF systems benefit from the contamination control advantages provided by Steam-Thru® Connections.

Filling
Integrating single-use systems into filling operations reduces set-up time and operational costs. Single-use transfer lines replace three-way valve assemblies on stainless vessels by incorporating Steam-Thru® Connections. A through-the-wall fluid transfer system allows operators to bring a portion of the transfer line into a safe where filling occurs; a quick-connect or Steam-Thru Connection enables attachment of the transfer line to the filling machine.

Media/Buffer Preparation
Bag systems incorporating MPC/MPX connections have a proven track record for use in media and buffer preparation for storage volumes of 1 to 2,500L. MPC/MPX connections are well suited for high-volume applications. The HFC-99 Series with integrated shut-off valves enables disconnection of single-use filters for post-filtration integrity testing.

Media/buffer preparation
Bag systems incorporating MPC/MPX connections have a proven track record for use in media and buffer preparation for storage volumes of 1 to 2,500L. MPC/MPX connections are well suited for high-volume applications. The HFC-99 Series with integrated shut-off valves enables disconnection of single-use filters for post-filtration integrity testing.

Filling
Integrating single-use systems into filling operations reduces set-up time and operational costs. Single-use transfer lines replace three-way valve assemblies on stainless vessels by incorporating Steam-Thru® Connections. A through-the-wall fluid transfer system allows operators to bring a portion of the transfer line into a safe where filling occurs; a quick-connect or Steam-Thru Connection enables attachment of the transfer line to the filling machine.

Fermentation
Bioreactor seed trains are evolving as single-use technologies are merging with or replacing traditional stainless vessels and fixed piping thus increasing process flexibility and reducing turnaround time. Single-use bags and transfer lines utilizing MPC or MPX connections in conjunction with SaniQuik™ adaptors allow quick changeover. Utilizing Steam-Thru® Connections allows operators to make a sterile connection between pre-sterilized single-use systems and fermentation equipment for aseptic media transfer.

BioPharmaceutical Connections

Fermentation
Bioreactor seed trains are evolving as single-use technologies are merging with or replacing traditional stainless vessels and fixed piping thus increasing process flexibility and reducing turnaround time. Single-use bags and transfer lines utilizing MPC or MPX connections in conjunction with SaniQuik™ adaptors allow quick changeover. Utilizing Steam-Thru® Connections allows operators to make a sterile connection between pre-sterilized single-use systems and fermentation equipment for aseptic media transfer.
Colder Products Company is a leader in design and manufacture of couplings and connections for life sciences markets. Colder’s connections ease biopharmaceutical manufacturers’ transition between stainless processing equipment and single-use systems, whether in an upstream fermentation process or a downstream application in formulation or fill. These innovative solutions help biopharmaceutical manufacturers improve production yields, decrease time-to-market and reduce costs.

Single-use systems minimize cross-contamination risks associated with reusable components. The reutilization of single-use components results in increased productivity through the reduction of system downtime associated with cleaning and validation. Reducing downtime of key processes allows manufacturers to increase output while also decreasing time to market. They also minimize CIP validation, reduce WFI demand and lower operational costs.

Colder’s wide array of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

Colder’s wide variety of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

Colder’s wide variety of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

Colder’s wide variety of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

Colder’s wide variety of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

Colder’s wide variety of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

COLDER PRODUCTS COMPANY

Colder Products Company is a leader in design and manufacture of couplings and connections for life sciences markets. Colder’s connections ease biopharmaceutical manufacturers’ transition between stainless processing equipment and single-use systems, whether in an upstream fermentation process or a downstream application in formulation or fill. These innovative solutions help biopharmaceutical manufacturers improve production yields, decrease time-to-market and reduce costs.

Single-use systems minimize cross-contamination risks associated with reusable components. The reutilization of single-use components results in increased productivity through the reduction of system downtime associated with cleaning and validation. Reducing downtime of key processes allows manufacturers to increase output while also decreasing time to market. They also minimize CIP validation, reduce WFI demand and lower operational costs.

Colder’s wide array of bioprocessing products provides quick and easy connections between flexible bag systems, tube sets, bioreactors and other bioprocess equipment. Steam-Thru® and SaniQuik™ connections near the integration of single-use, feed, harvest and sampling systems with existing processing equipment.

Founded in St. Paul, Minnesota in 1978, Colder offers more than 7,000 standard and custom products with direct sales and distributor representation in Asia, North America, Europe, Latin America and Australia.

Reliable, Flexible, Compatible, Sterile