

# FILL-FINISH SOLUTIONS

Clean, Configurable, Compliant

Our configurable single-use solutions meet stringent requirements so you can ensure your contamination control strategy yields operational safety and efficiency in formulation, final filtration, and final filling. Utilizing state-of-the-art manufacturing, our team can work with you to build reliable and clean solutions that provide the highest level of purity in your drug product processing.



## FORMULATION

FlowMixer™, CCG's high-performance mixing technology, is available from 500 mL to 30 L allowing for flexibility and scalability for every mixing process step. Each mixer features an integrated drive unit with 13" touchscreen for ease of use. Load cells for weighing are standard along with the integrated drive unit. Optional features include temperature, pH, and jacketed tote.

### A benchtop mixer for liquid-liquid and liquid-solid mixing from 500 mL to 30 L for cGMP manufacturing:

- ♦ Standard automation modules for mixing and weighing
- ♦ Optional modules for pH monitoring and temperature are available
- ♦ HMI touchscreen and user-friendly software for automated control of modules, user permissions, password management, trends, alarm and calibration, audit trail
- ♦ Install bag and start processing in minutes



## FLUID TRANSFER

### STERILE FILTRATION

Elevate your confidence in the integrity of your sterilizing filters by implementing one of our configurable pre-use post sterilization integrity testing (PUPSIT) designs with a filter of your choice. Our agnostic component library allows for freedom of design and ensures a perfect fit for your specific process.



DPTE® BETA BAG WITH HOSE BARB PORTS



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### PORTED BETA BAGS FOR ISOLATOR TRANSFER

Choose from a range of hose barb and sanitary ports from 1/8" to 3". Whether you are using a DPTE® Alpha port, Biosafe® port or another port, we can provide you with a custom ready-to-use beta bag configuration that can be easily integrated into a flow path assembly for isolator transfer.



## FLUID TRANSFER

### VIAL/SYRINGE FILLING

Meet regulatory expectations and demonstrate the efficacy of your fill-finish process with an assembly supported by our comprehensive documentation package.

- Custom ported and optimized surge bag design for consistent product flow and high recovery
- Overmolded silicone for dosing pump loops, sanitary ends or surge product bag connections, ensure a leak free fluid path.
- Accurate dosing needles in multiple IDs for filling machines such as OPTIMA®, Syntegon® and IMA®



CUSTOM DESIGNED SURGE BAG FOR PRODUCT RECOVERY



OVERMOLDED MICRO WYE WITH A 1/32" ID FOR PRECISE FLUID TRANSFER APPLICATIONS

## FLUID TRANSFER



OVERMOLDED MULTIPORT TC ENSURES OPTIMAL FLUID FLOW FROM SURGE BAG TO NEEDLES



OVERMOLDED THRU TC ON BETA BAG

## FLUID TRANSFER



OVERMOLDED DOSING PUMP LOOP, MICRO BORE SIZES AS SMALL AS 0.032 IN. (0.76MM) ID, COMPATIBLE WITH MULTIPLE PUMP TUBING BRANDS AND DUROMETERS



FLOWLINX® FILLING NEEDLES ARE ENGINEERED WITH PRECISION AND PURITY ENSURING OPERATIONAL SAFETY AND ACCURATE DOSING



## OUR QUALITY

Our team is committed to supporting your journey towards excellence in sterile manufacturing. Simplify your compliance with our comprehensive documentation package.

- Engagement Qualification
- USP <85> testing
- USP <788> testing
- Leak Integrity testing



At CCG, we're passionate about making a difference in the lives of our customers. It's why CCG single-use assemblies and FlowLinX components are trusted in bioprocess applications worldwide.