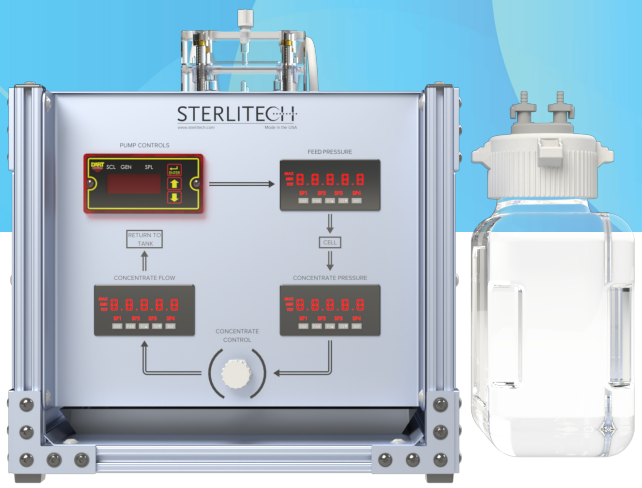
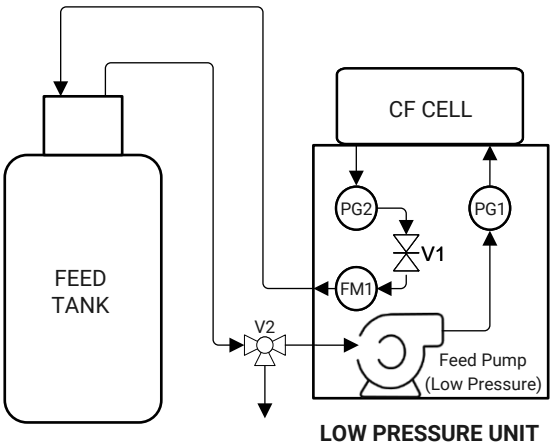
STERLITECH

Acid Resistant Benchtop Filtration System



Engineered for exceptional performance in harsh chemical environments, the Acid-Resistant Benchtop Filtration System is built entirely with plastic internals to provide compatibility with aggressive, low pH fluids. Compact and highly versatile, it supports a wide range of MF and UF testing without compromising on footprint or cost. This single-unit system features the same user-friendly interface as the CF Benchtop System, complete with precision flow and pressure sensors, and can be paired with a data acquisition kit for real-time monitoring and recording. Use the system for Cross / Tangential Flow Filtration (TFF) or combine with another benchtop system for the option of operating in Forward Osmosis (FO).

System P&ID



LOW PRESSURE UNIT

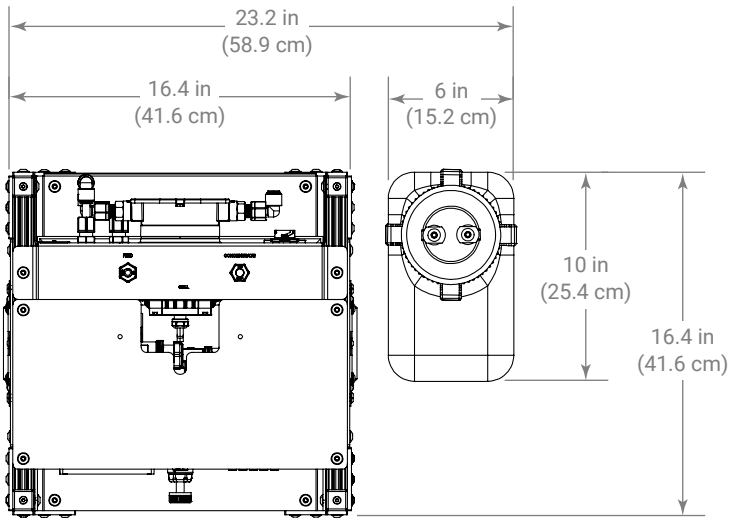
Legend

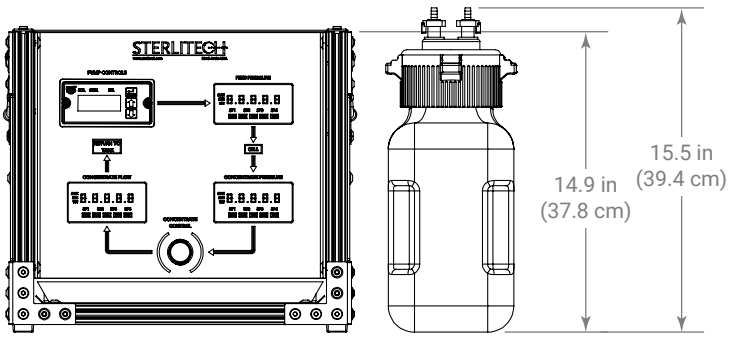
V1	Feed Pressure Control Valve
V2	Feed Tank Drain Valve
PG1	Feed Inlet Pressure Gauge (Digital)
PG2	Feed Outlet Pressure Gauge (Digital)
FM1	Feed Flow Meter (Digital)

Specifications

Cell Type	CF016, CF042, CF047, CF090
Configuration	1 Line, No Bypass
Feed Flow Rate	4.2 LPM (1.1 GPM)
Max Pressure	6 bar (87 PSI)
Max Temperature	82 °C (180 °F)
Electrical Supply	110V/230V, 50/60Hz, 1 Ph
Pump and Motor Rating	PP, FFKM, FKM Diaphragm Pump
Data Recording	Option Available

System Dimensions





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