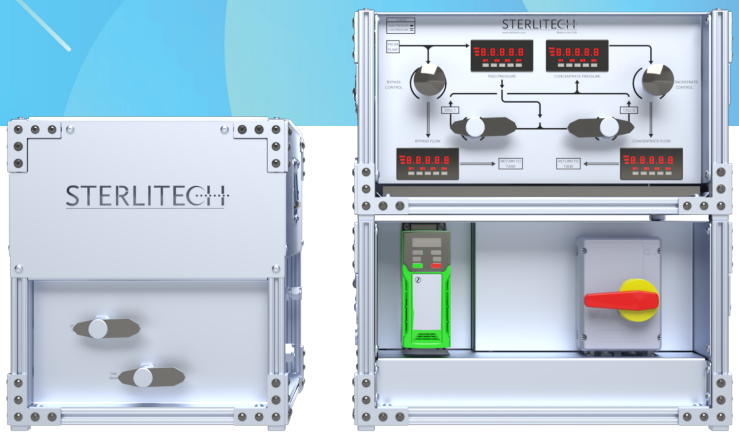
STERLITECH

Benchtop Cross Flow Filtration System

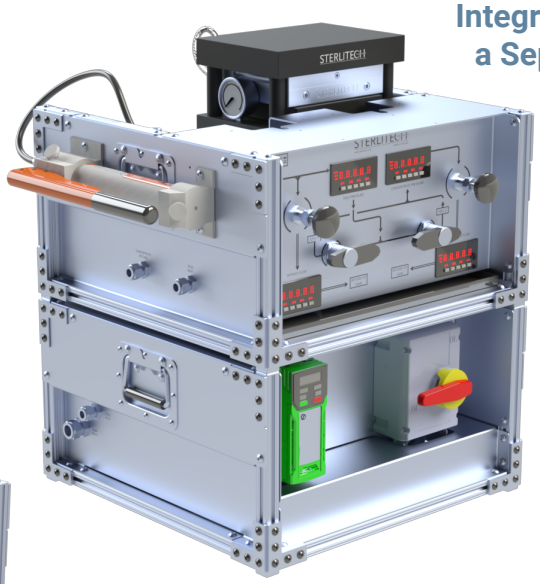


More intuitive and compact than ever, the Benchtop Cross Flow Filtration System offers a refined, ergonomic interface for both new and existing customers at 1/3 the size of our analog skid systems. Compatible with all Sterlitech Test Cells, this system is plug-and-play; operable within minutes for RO, NF, UF, or MF experiments. Built to fit your space constraints, operate the way you want with digital pressure and flow sensors, a redesigned easy-access tank, and a high-efficiency heat exchanger.

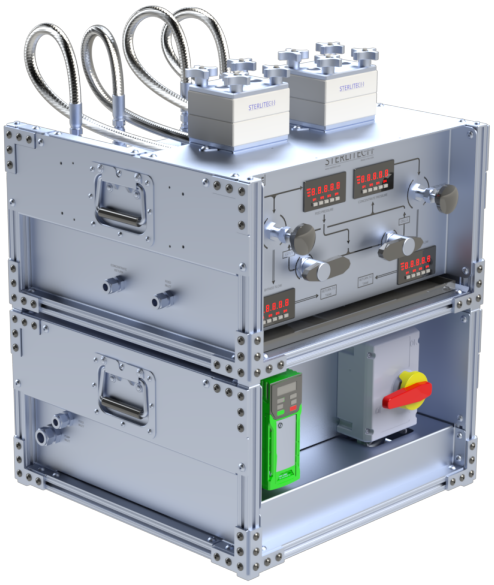
Specifications

Cell Type	Cross Flow Cells, 1812 Housing
Configuration	2 Parallel Lines
Feed Flow Rate	11.7 LPM (3.1 GPM)
Max Pressure	69 bar (1000 PSI)
Max Temperature	82 °C (180 °F)
Electrical Supply	110V or 230V, 50/60Hz, 1 Phase
Pump and Motor Rating	Hydracell Diaphragm Pump, Washguard Motor
Tank Capacity	19 Liters (5 Gallons)
Data Recording	Option Available

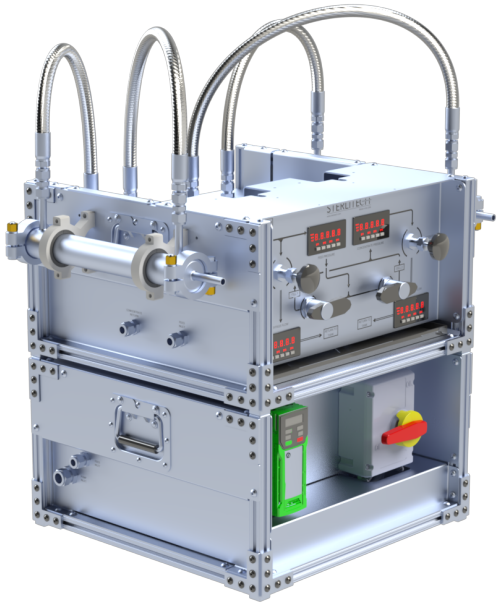
Integrate with a Sepa Cell



Integrate with CF Cells



Integrate with 1812 Housings



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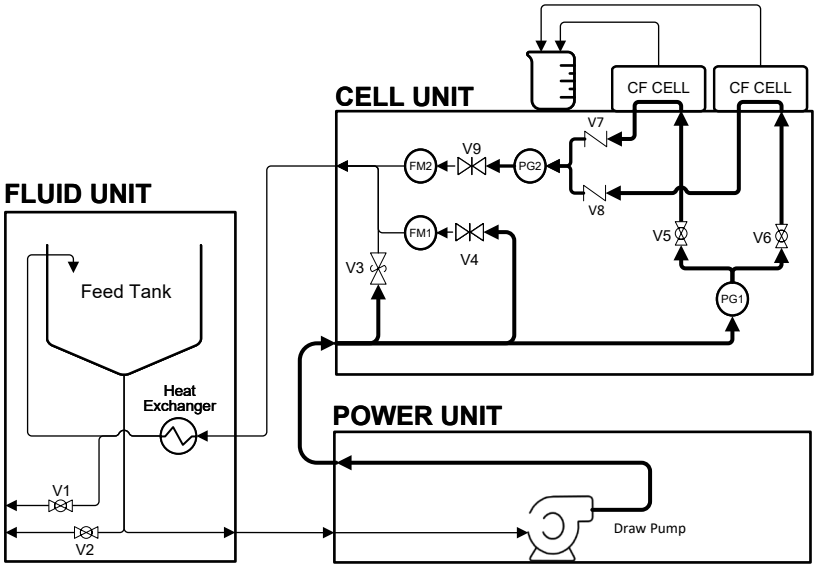
Benchtop Cross Flow Filtration System P&ID



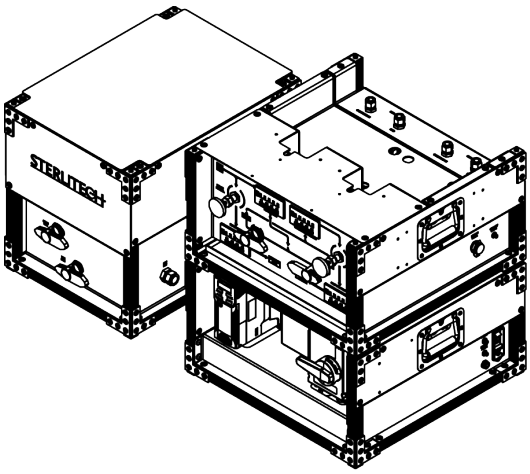
Legend

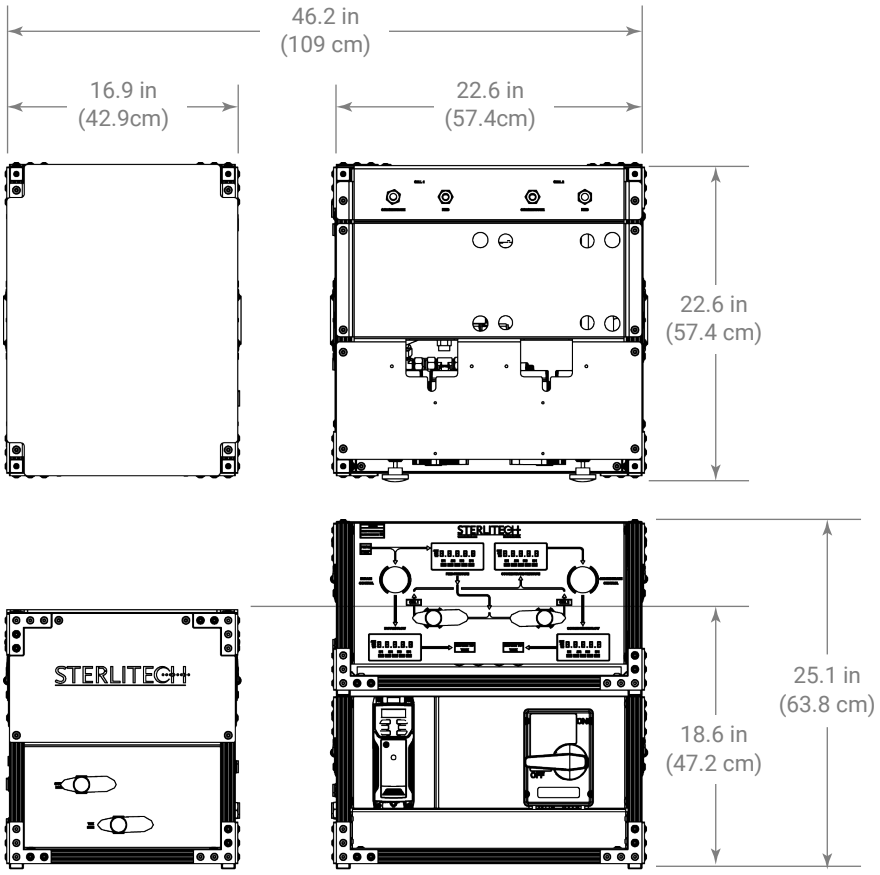
V1	System Drain Valve
V2	Tank Drain Valve
V3	Pressure Relief Valve
V4	Bypass Valve
V5	Bank Selector Valve #1
V6	Bank Selector Valve #2
V7	Backflow Preventer Valve #1
V8	Backflow Preventer Valve #2
V9	Concentrate Pressure Control
PG1	Feed Pressure Gauge (Digital)
PG2	Concentrate Pressure Gauge (Digital)
FM1	Bypass Flow Meter (Digital)
FM2	Concentrate Flow Meter (Digital

Low Pressure Fluid Line

High Pressure Fluid Line

Benchtop Cross Flow Filtration System Dimensions





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