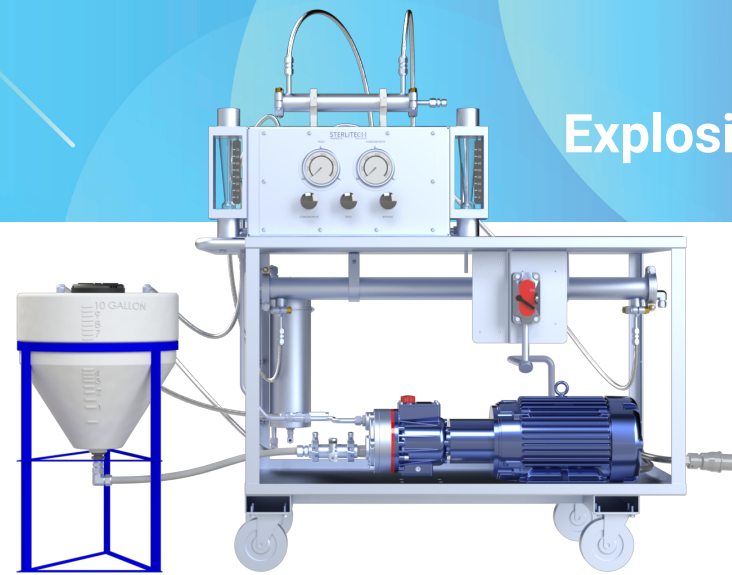


Explosion-Proof Configured Pilot Skid

Specifications:

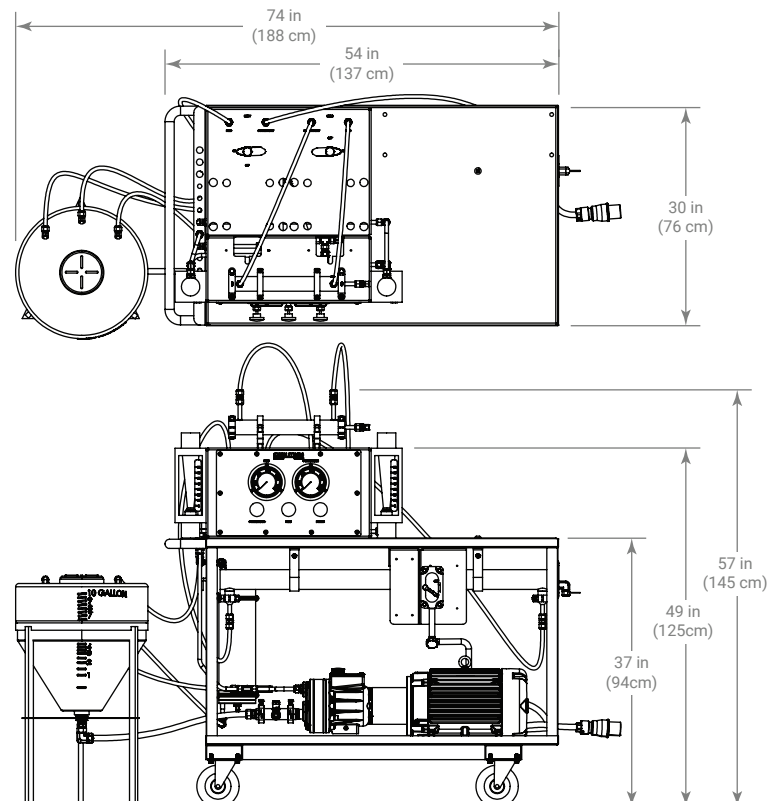
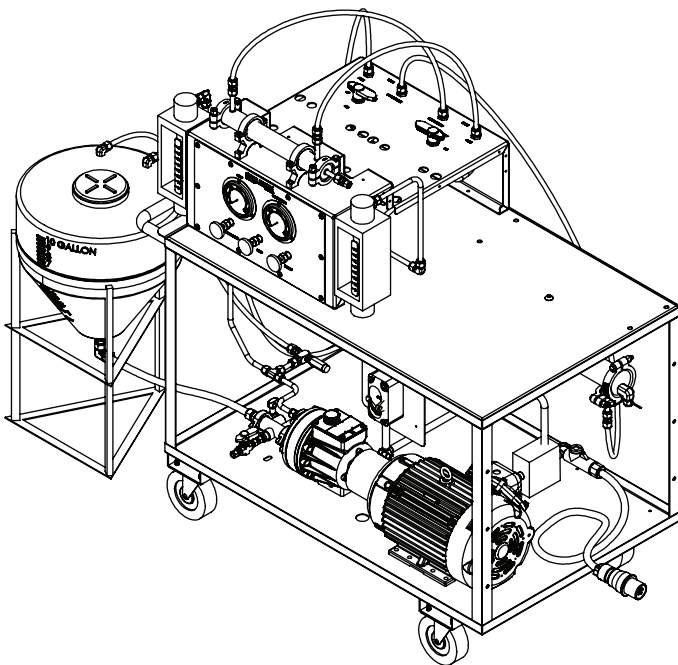
Housing Type	1812 Housing (316SS)
	2540 Housing (316SS)
Membrane Sample Size	1812: max 0.5 m ²
	2540: max 3.5 m ²
Configuration	2 Parallel Lines
Feed Flow Rate	33.3 LPM (8.8 GPM)
Max Pressure	69 bar (1000 PSI)
Data Monitoring	Flow Rate, Pressure
Max Temperature	82 °C (180 °F)
Electrical Supply	230V, 50/60 Hz, 3 Ph
Pump and Motor Rating	Leeson Explosion Proof Motor:
	C1, D1, Gr. C and D
	Hydra-Cell Diaphragm Pump
	Wired per C1, D1 Specifications

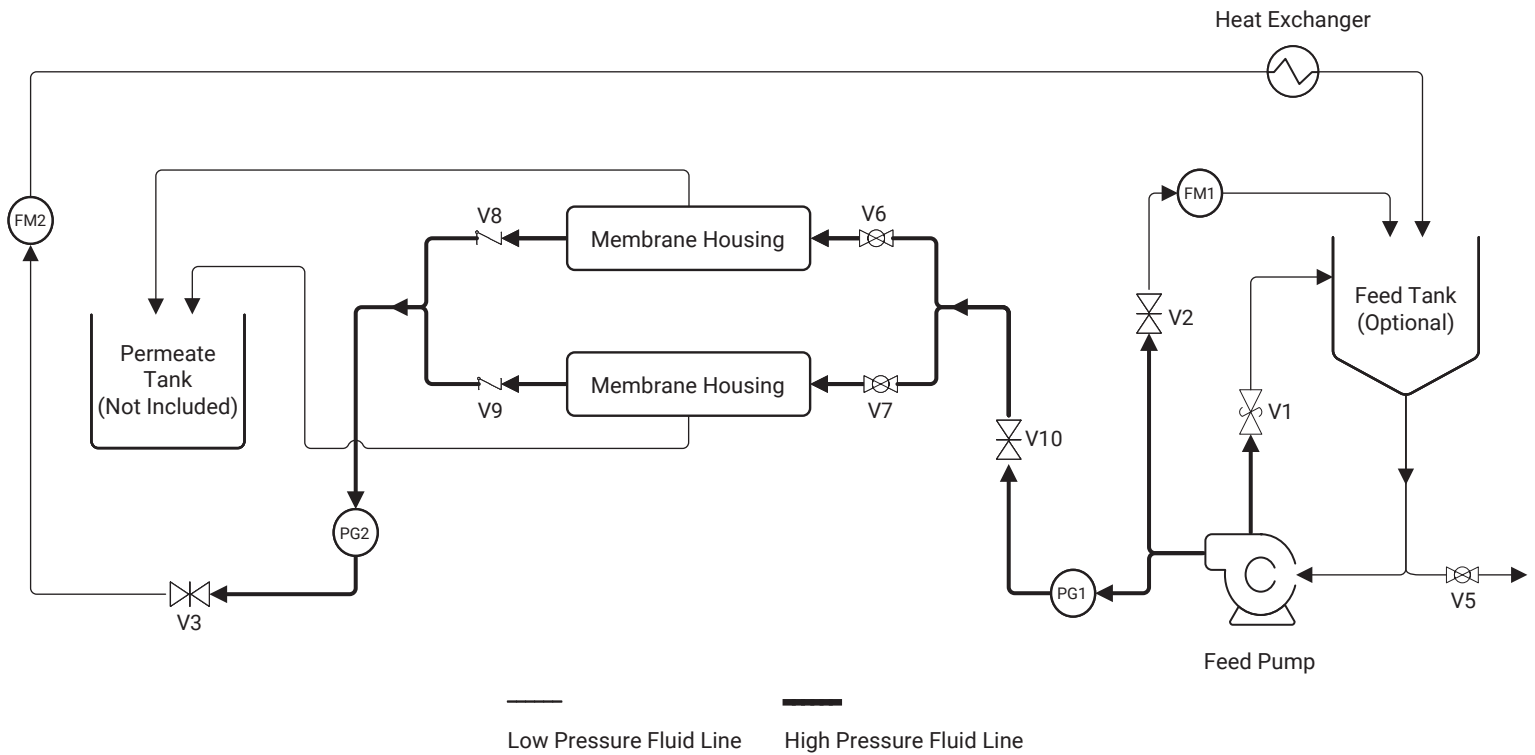


This Pilot Skid is equipped with explosion-proof electrical parts and chemically resistant wetted materials, exclusively designed to prioritize your safety. This feature provides additional protection when conducting membrane performance evaluations that require flammable or explosive organic solvents.

Conventional purification methods consist of multi-step processes but this Pilot Skid brings these processes down to a single filtration step, helping you to conserve valuable time and resources, while generating less waste. The skid also has adjustable system flow and pressure which allows precise control over your experiments.

Skid Dimensions





Explosion-Proof Configured Pilot Skid P&ID

Legend

V1	Feed Pressure Relief Valve
V2	Feed Bypass Valve
V3	Pressure Control Valve
V4	N/A
V5	Drain Valve
V6	Bank Selector Valve #1
V7	Bank Selector Valve #2
V8	Back Flow Preventer Valve #1
V9	Back Flow Preventer Valve #2
V10	Feed Flow Control Valve
PG1	Feed Pressure Gauge
PG2	Concentrate Pressure Gauge
FM1	Bypass Flow Meter
FM2	Concentrate Flow Meter