Pilot Study Program

UF-402-3838-SAN-SS304

NF-201-2540-SAN-SS304

UF-1812-IND-SS304

Many new membrane applications require pilot testing during their development phase. Synder offers an extensive pilot study program to help our customers develop innovative applications. As an industry leader in supporting research and development activities, we know the importance of having low cost, flexibility, and quick responsiveness. Contact us today to learn more about our Pilot Study program. We look forward to serving you.

PILOT STUDIES AT SYNDER'S LABORATORIES

For the companies that prefer to let Synder's professionals gauge the feasibility or performance of their application, we run a full range of pilot and feasibility testing at Synder headquarters in Vacaville, CA, USA.

- Stir Cell feasibility tests which require as little as a 500 ml sample
- Single Cell feasibility tests and performance estimations with both single and eight bank cells which require 5 or 10 liter samples, respectively.
- Complete spiral wound Microfiltration, Ultrafiltration, and Nanofiltration pilot studies, done in house for extended performance testing

ONSITE FIELD PILOT STUDIES

At Synder, we understand the importance of keeping your information in-house and conducting studies in the most realistic of operating conditions. Our on-site pilot study program allows for the utmost flexibility in trial time and engineering support possible.

- We provide a pilot system to your preferred specifications for either feasibility or performance testing.
- Systems are available for purchase, or monthly rental at a duration of your choice
- Onsite engineering support for start-up, training, & troubleshooting
- Technical support at all phases of the study
- Data analysis and projections for full scale systems
- Rental costs can be credited toward the purchase of a production unit

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Synder™ Filtration

Membranes that perform. People who deliver. ™

UF801-8038-SAN-SS304

UF904-9343-IND-SS304

UF-201-2540-SAN-SS304

Parameters	UF-1812	NF-201	UF-402	UF-801	UF-904	UF-201
Sanitary/Industrial	Industrial	Either	Either	Either	Industrial	Either
Membrane Size	1812	2540	3838 or 4040 (2)	8040	9343	2540
Pump Type	Horizontal Vane Pump	Vertical Centrifugal	Vertical Centrifugal	Vertical Centrifugal	Vacuum	Vertical Centrifugal
Feed Tank Capacity	4.6 Gal (17.5L)	26 Gal (98.4L)	50 Gal (189.3L)	68 Gal (257.4L)	130 Gal (492.1L)	26.4 Gal (99.9 L)
Flow Meters	Rotometers	Rotometers	Rotometers	Rotometers	Digital	Rotometers
Maximum Operating Pressure	200PSI (13.8 Bar)	240 PSI (16.5 Bar)	65 PSI (4.5 Bar)	60 PSI (4.1 Bar)	-15 PSI (-1 Bar)	72PSI (4.9 Bar)
Maximum Feed Rate	1.5GPM	4.4 GPM (Industrial)	66GPM (Sanitary)	141GPM (Sanitary)	30 GPM	13GPM (Sanitary)
Maximum Membrane Operating Temperature	122°F (50°C)	122°F (50°C)	122°F (50°C)	122°F (50°C)	113°F (45°C)	122°F (50°C)
Membrane pH Range	2-11	4-10	2-11	2-11	2-11	2-11
Dry Weight	66.4 lb (30 kg)	360lb (163kg)	882 lb (400kg)	838lb (380kg)	1500lb (680kg)	250 lb (113kg)
Cooling Coil	Optional	Optional	Optional	Optional	No	Optional
Prefilter	No	13.2 GPM Bag Filter	13.2 GPM Bag Filter	No	Dosing Pumps (2)	13.2 GPM Bag Filter
Integrated CIP	No	No	Optional	Yes	Yes	No
HMI Touch Screen	No	No	Optional	Optional	Yes	No
Frame & Piping Materials	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304	Stainless Steel 304
Electrical Requirement	110V	460V	460V	460V	480V	110V
Footprint	14.2" (36 cm) x 16.5" (42 cm) x 26.4" (67 cm)	35.8" (90.9cm) x 19.7"(50.04cm)x 59.05" (149.9cm)	88.6" (225cm) x 49.2" (125cm) x 76" (193cm)	98.5" (250cm)x 39.4" (100cm)x 74.8" (190cm)	90" (228cm) x 60" (152.4cm) x 76" (193.1cm)	35.7" (90.6cm) x 31.7"(80.4cm) x 52.7"(133.8cm)

Synder Filtration ISO 9001:2008 CERTIFIED 10002403

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