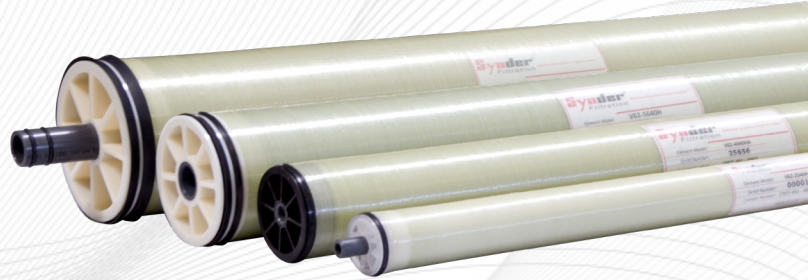


V7 (PVDF 800,000Da)

Industrial UF Treated Membrane for Cathodic Paint Applications



RECOMMENDED OPERATING PARAMETERS

Typical Operating Flux

5-35 GFD (8-60 LMH)

Membrane Type

Synder Proprietary - PVDF Treated Membrane

Membrane Construction

Spiral-Wound with netted or fiberglass outerwrap

Maximum Temperature

Continuous Operation: 122°F (50°C)

Clean-In-Place (CIP): 110°F (43.3°C)

pH Range

Continuous Operation: 1-11

Clean-In-Place (CIP): 2-10.5

Maximum Pressure Drop

FRP Element: 35psi (241kPa)

Net Wrap Element: 17psi (117kPa)

Chlorine Tolerance

180ppm maximum per cleaning cycle

V-SERIES BENEFITS

- The V-Series has a proprietary hydrophilic charge to repel paint particles and promote maximum flux rates.
- The V-Series was specifically designed for processing cathodic paint, while the A6 is intended for processing anodic paint. V6 (PVDF 500kDa) is the most popular product for processing cathodic paint.
- Membrane only requires one cleaning chemical plus acid. No other additives required.
- Integrated end plugs allow for easy integration and removal.
- Synder maintains the largest E-Coat-devoted sales, engineering, and support staff of any membrane manufacturer in the world.

CONTACT US

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All inquiries will be responded to by a Synder employee within 24 hrs.



DIMENSIONS & WEIGHT

| Model # | (A) Length in (mm) | (B) Element OD in (mm) | Perm Tube ID (Female) in (mm) | Perm Tube OD (Male) in (mm) | (C) Tube Ext Length (Male) | Feed Rate GPM (LPM) | Standard Housing |
|----------|--------------------------|------------------------------|-------------------------------------|-----------------------------------|----------------------------------|------------------------|---------------------|
| 1812TM | 10.00 (254.0) | 1.8 (45.7) | | 0.675 (17.1) | 0.75 (perm) 1.0 (plug) | 2.0 (7.6) | IH-1812M |
| 2519H | 19.25 (489.0) | 2.5 (63.5) | 0.62 (15.8) | | | 6.0 (23) | IH-2519 |
| 2540H | 38.00 (965.2) | 2.5 (63.5) | | 0.75 (19.1) | 1.00 (both ends) | 6.0 (23) | IH-2540 |
| 3940AH | 38.80 (985.5) | 3.93 (99.8) | | 0.827 (21) | 0.60 (both ends) | 25 (95) | |
| 3945H | 45.00 (1143) | 3.93 (99.8) | 0.62 (15.8) | | | 25 (95) | |
| 4030H | 27.00 (658.8) | 3.93 (99.8) | | 0.84 (21.3) | 3.00 (perm) 3.63 (plug) | 25 (95) | IH-4030 |
| 4032H | 29.50 (749.3) | 3.93 (99.8) | | 0.75 (19.1) | 1.06 (both ends) | 25 (95) | |
| 4033H | 33.00 (838.2) | 3.93 (99.8) | 0.62 (15.8) | | | 25 (95) | |
| 4037H | 27.00 (685.8) | 3.93 (99.8) | | 0.84 (21.3) | 3.00 (perm) 8.625 (plug) | 25 (95) | IH-KR4 |
| 4040AH | 40.00 (1016) | 3.93 (99.8) | 0.62 (15.8) | | | 25 (95) | |
| 4040BH | 40.00 (1016) | 3.93 (99.8) | 0.76 (19.3) | | | 25 (95) | |
| 4045BH | 40.00 (1016) | 3.93 (99.8) | | 0.84 (21.3) | 3.00 (perm) 1.875 (plug) | 25 (95) | IH-4042 |
| 4045CH | 45.00 (1143) | 3.93 (99.8) | 0.62 (15.8) | | | 25 (95) | |
| 4051.5H | 40.00 (1016) | 3.93 (99.8) | | 0.84 (21.3) | 3.00 (perm) 8.50 (plug) | 25 (95) | IH-40RF |
| 5640H | 40.00 (1016) | 5.60 (142.2) | 1.29 (32.8) | | | 40 (151) | |
| 5647.5H | 40.00 (1016) | 5.60 (142.2) | | 1.66 (42.2) | 3.00 (perm) 4.375 (plug) | 40 (151) | IH-60A |
| 5651.5H | 40.00 (1016) | 5.60 (142.2) | | 1.66 (42.2) | 3.00 (perm) 8.375 (plug) | 40 (151) | IH-60RF |
| 7637H | 33.00 (838.2) | 7.45 (189.2) | | 1.66 (42.2) | 2.00 (both ends) | 70 (265) | |
| 7640HB | 40.00 (1016) | 7.45 (189.2) | 1.29 (32.7) | | | 70 (265) | |
| 7640HC | 40.00 (1016) | 7.28 (184.9) | 1.29 (32.7) | | | 70 (265) | |
| 7647.5HB | 40.00 (1016) | 7.45 (189.2) | | 1.66 (42.2) | 3.00 (perm) 4.375 (plug) | 70 (265) | IH-80S (SB) |
| 7647.5HC | 40.00 (1016) | 7.28 (184.9) | | 1.66 (42.2) | 3.00 (perm) 4.375 (plug) | 70 (265) | IH-80D (C,E) |
| 7940HA | 38.25 (717.6) | 7.90 (200.7) | | 1.66 (42.2) | 0.875 (both ends) | 80 (303) | |
| F7940HA | 40.00 (1016) | 7.90 (200.7) | 1.139 (28.9) | | | 80 (303) | |
| 8040H | 40.00 (1016) | 7.90 (200.7) | 1.125 (28.6) | | | 80 (303) | |

Membrane Model

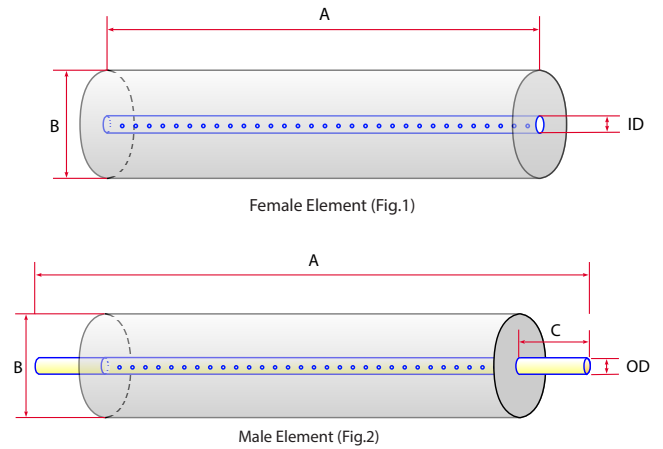
V72-7647.5HB

| Spacer Size | Model No. |
|-----------------|-----------|
| 24 mil | 1 |
| 31 mil | 2 |
| 46 mil | 3 |
| 46 mil (ribbed) | 3P |
| 65 mil | 4 |
| 80 mil | 5 |
| 80 mil (ribbed) | 5P |

Industrial Designations

| |
|----------------------------------|
| H = Fiber Glass Shell |
| T = Tape Wrapped |
| F = Flush Cut |
| CH = Flush Cut |
| HB = For Stainless Steel Housing |
| HC = For PVC Housing |
| HS = Fiber Glass Shell w/net |
| HA = Version A |
| BH = Permeate Tube Extensions |
| HK = UF with Integrated Housing |

NOTE: Sometimes these designations may vary. Always consult Synder before ordering.



TECHNICAL NOTES

For element sizes not listed, please call or email Synder Filtration for details. We can design an element to fit your exact needs - just specify the element outer diameter (OD) or vessel/housing inner diameter (ID), element inner diameter (ID), and length. Elements are available with or without a controlled bypass tail. Additional feed spacers are also available.

Trials should be conducted to determine optimal application conditions.

Refer to installation, cleaning, and storage procedures for more details.