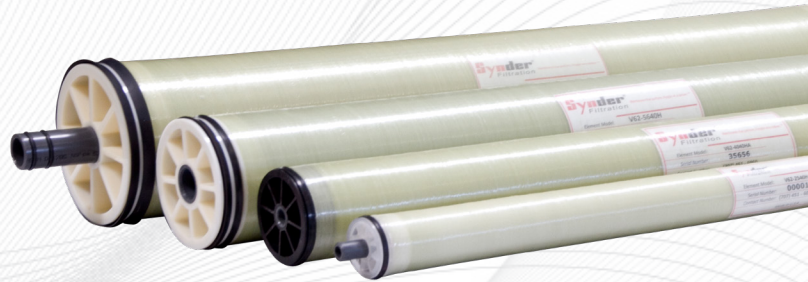


# V4 (PVDF 70,000Da)

## 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

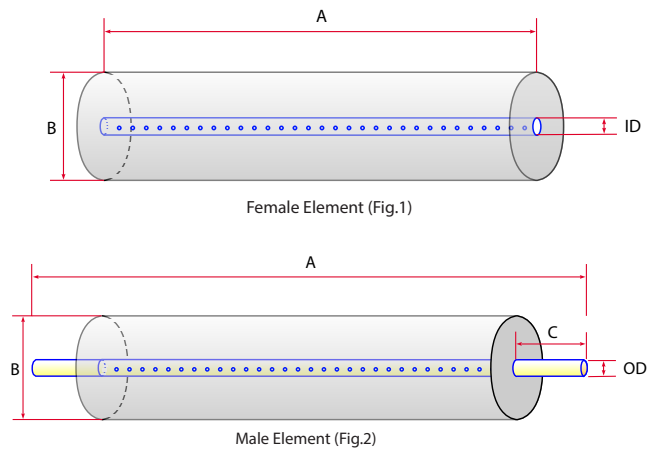
V42-7647.5HB

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.