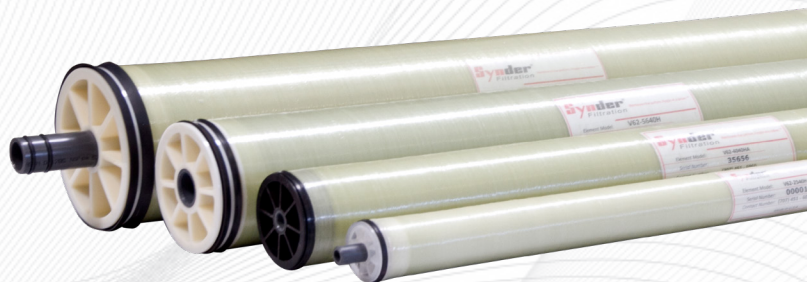


XT (PES 1,000Da)

Industrial UF Membrane



RECOMMENDED OPERATING PARAMETERS

| Pressure | PSI | Bar |
|--------------------------------|-----|-----|
| Max. Inlet Pressure | 116 | 8.0 |
| Min. Outlet Pressure | 10 | 0.7 |
| Max. Pressure Drop per Element | 18 | 1.2 |
| Max. Permeate Backpressure | 5 | 0.3 |

| Temperature | Fahrenheit | Celsius |
|---------------------------|------------|---------|
| Max. Continuous Operation | 122° | 50° |
| Max. CIP Temperature | 122° | 50° |

| pH Parameters | pH |
|--|------|
| pH Range during Operation at 25°C Max. | 1-11 |
| pH Range during CIP at 50°C Max. | 2-11 |

| Chlorine | Norm. ppm | Max. ppm |
|--|-----------|----------|
| Free Chlorine in DF Water or Product | 0 | <0.1 |
| Chlorine during CIP at pH 10.8-11.0 and 50°C | 150 | 180 |

| Peroxide | Max. ppm |
|---|----------|
| Free Peroxide in Product during Operation | <3 ppm |
| Peroxide as a sanitizer at 25°C Max, pH 6-7, 10 minutes recirculation | 0.1% |

NOTE: Trials should be made to determine temperature and viscosity effects. Ribbed spacers are also available for high solids applications.

CONTACT US

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www.synderfiltration.com

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

STANDARD SERIES BENEFITS

- Wide range of MWCO's available
- Good pH and temperature resistance
- High resistance to fouling
- Customizable dimensions for unique housings

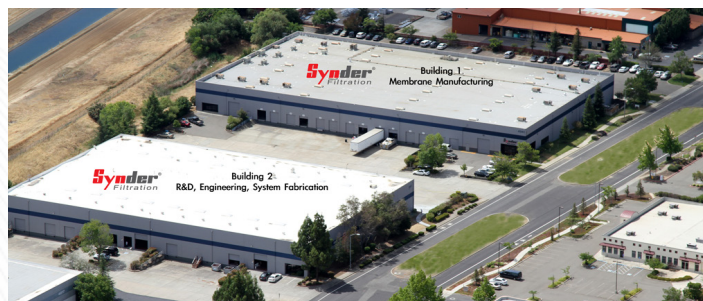
RECOMMENDED ELEMENT CROSS FLOW RATE

| | | Feed Spacer (in mils) | | | | |
|---------|--------------------|-----------------------|-----|-----|-----|-----|
| Element | | 24 | 31 | 46 | 65 | 80 |
| 1.8" | m ³ /hr | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 |
| | gpm | 3 | 3 | 4 | 4 | 5 |
| 2.5" | m ³ /hr | 1.3 | 1.5 | 1.8 | 2.0 | 2.1 |
| | gpm | 6 | 7 | 8 | 9 | 9 |
| 4.0" | m ³ /hr | 3 | 4 | 5 | 5 | 5 |
| | gpm | 15 | 17 | 20 | 23 | 24 |
| 8.0" | m ³ /hr | 15 | 17 | 20 | 23 | 24 |
| | gpm | 66 | 75 | 89 | 99 | 105 |

The recommended cross flow rate will be subject to differential pressure limitations and specific applications.

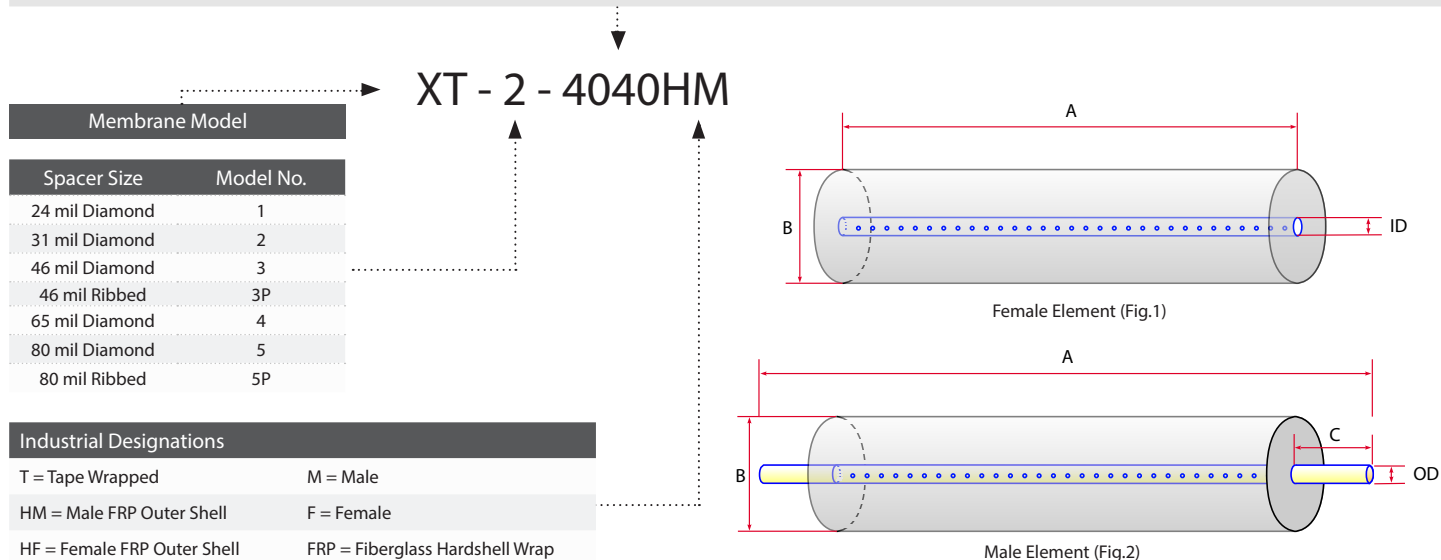
MEMBRANE AREA (SQ. FT.)

| | | Feed Spacer (in mils) | | | | |
|---------|--|-----------------------|-----|-----|-----|-----|
| Element | | 24 | 31 | 46 | 65 | 80 |
| 1812TM | | 3.1 | 2.7 | 2.1 | 1.6 | 1.3 |
| 2540HF | | 28 | 24 | 20 | 16 | 13 |
| 2540HM | | 30 | 26 | 22 | 17 | 14 |
| 4040HM | | 81 | 72 | 58 | 46 | 39 |
| 4040HF | | 86 | 75 | 61 | 49 | 41 |
| 7940HF | | 379 | 335 | 268 | 210 | 178 |
| 8040HF | | 379 | 335 | 268 | 210 | 178 |



DIMENSIONS & WEIGHT

| Element | Model Number | Diameter (B) in (cm) | Length (A) in (cm) | PWT ID/OD in (cm) | Tube Extension (C) in (cm) | Dry Weight lb (kg) |
|---------|--------------|-------------------------|-----------------------|----------------------|-------------------------------|-----------------------|
| 1.8" | 1812TM | 1.8" (4.6) | 11.75" (29.8) | 0.675" (1.71) | 0.75" (perm) 1.00" (plug) | 1.0 (0.5) |
| 2.5" | 2540TM | 2.4" (6.1) | 40.0" (101.6) | 0.75" (1.90) | 1.00" (2.54) | 4.0 (1.8) |
| | 2540HF | 2.4" (6.1) | 40.0" (101.6) | 0.625" (1.59) | - | 4.0 (1.8) |
| | 2540HM | 2.4" (6.1) | 40.0" (101.6) | 0.75" (1.90) | 1.0" (2.54) | 4.0 (1.8) |
| | 4040TM | 3.9" (9.9) | 40.0" (101.6) | 0.75" (1.90) | 1.0" (2.54) | 12.0 (5.5) |
| 4.0" | 4040HM | 3.9" (9.9) | 40.0" (101.6) | 0.75" (1.90) | 1.0" (2.54) | 12.0 (5.5) |
| | 4040HF | 3.9" (9.9) | 40.0" (101.6) | 0.625" (1.59) | - | 12.0 (5.5) |
| | 4040HF | 3.9" (9.9) | 40.0" (101.6) | 0.625" (1.59) | - | 12.0 (5.5) |
| 8.0" | 7940HF | 7.9" (20.1) | 40.0" (101.6) | 1.138" (2.89) | - | 35.0 (15.9) |
| | 8040HF | 7.9" (20.1) | 40.0" (101.6) | 1.125" (2.89) | - | 35.0 (15.9) |



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.