**RO MEMBRANES VRO-400-28**

High Rejection, good Productivity - Brackish Water Element

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%)</th>
<th>Minimum</th>
<th>Nominal</th>
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</thead>
<tbody>
<tr>
<td>MBROYR301661</td>
<td>37.2</td>
<td>40 (10500)</td>
<td>99.0</td>
<td>99.5</td>
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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight kg</th>
<th>Permeate tube length inches (mm)</th>
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<tbody>
<tr>
<td>MBROYR301661</td>
<td>17.0 (75)</td>
<td>40 (1016) 7.89 (200) 1.5 (38.1)</td>
<td>16.4 (36)</td>
<td>-</td>
</tr>
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</table>

**Type**
- Configuration: Spiral Wound
- Membrane Polymer: Composite Polyamide
- Brine Spacer Material: Polypropylene

**Test Conditions**
- 2000 ppm NaCl solution, 15.5 bar, 25°C, pH 8.0,
- Permeate Recovery 15%.

**Operating Limits***
- Maximum Applied Pressure: 41.4 bar (600 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 13.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Element Recovery: 19%
- Maximum Pressure Drop Per Element: 1.0 bar (15 psi)

**Veolia RO membranes** are designed to be operated with **Hydrex™ additives** to get optimum performance and extended life of the membranes.

**Hydrex™ inhibitors** are employed during routine operation for:
- Inhibition of mineral scales and metal deposits
- Prevention of biofouling
- Prevention of membrane oxidation

**Hydrex™ cleaners** are employed during periodical cleaning of the RO units (CIP) to recover the performances of the membranes.

The complete **Hydrex™ program** will be determined by our engineers depending on water quality and system design.

* Operating limits are for information only, actual operating conditions should be optimised to ensure best performance and membrane life.

Notice: Minimum permeate flow for individual elements 15 % below listed flow. All membrane elements are supplied with a brine seal and o-rings. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium metabisulphite and 10% propylene glycol solution and then packaged in a cardboard box.

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Visit our website: www.veoliawatertechnologies.com/vwsro_membranes/en/
RO MEMBRANES VRO-2540
High Productivity - Brackish Water Element

**Type**
- **Configuration:** Spiral Wound
- **Membrane Polymer:** Composite Polyamide
- **Brine Spacer Material:** Polypropylene

**Test Conditions**
- 2000 ppm NaCl solution, 15.5 bar, 25°C, pH 6.5 - 7.0, Permeate Recovery 15%.

**Operating Limits***
- **Maximum Applied Pressure:** 20.7 bar (300 psig)
- **Maximum Free Chlorine Concentration:** < 0.1 ppm
- **Maximum Operating Temperature:** 45°C
- **Feedwater pH Range:** 2.0 - 11.0
- **Cleaning pH Range:** 1.0 - 13.0
- **Maximum Feedwater Turbidity:** 1.0 NTU
- **Maximum Feedwater Fouling Index (SDI):** 5.0
- **Maximum Element Recovery:** 19%
- **Maximum Pressure Drop Per Element:** 1.0 bar (15 psi)

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Visit our website: www.veoliawatertechnologies.com/vwsro_membranes/en/
RO MEMBRANES VRO-HR4040
Low Energy, Excellent Productivity - Brackish Water Element

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%)</th>
<th>Minimum</th>
<th>Nominal</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYN307128</td>
<td>8.7</td>
<td>10.2 (2900)</td>
<td>99.3</td>
<td>99.5</td>
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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight kg (lbs)</th>
<th>Core Tube Extension inches (mm)</th>
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<tbody>
<tr>
<td>MBROYN307128</td>
<td>3.6 (16)</td>
<td>40 (1016)</td>
<td>3.95 (100.3)</td>
<td>3.6 (8)</td>
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</table>

**Type**
- **Configuration:** Spiral Wound
- **Membrane Polymer:** Composite Polyamide
- **Brine Spacer Material:** Polypropylene

**Test Conditions**
- 2000 ppm NaCl solution, 15 bar, 25°C, pH 8.0,
- Permeate Recovery 15%.

**Operating Limits**
- Maximum Applied Pressure: 20.7 bar (300 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 13.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Element Recovery: 19%
- Maximum Pressure Drop Per Element: 1.0 bar (15 psi)

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Visit our website: www.veoliawatertechnologies.com/vwsro_membranes/en/
RO MEMBRANES VRO-HRSE440-28
Low Energy, Very High Rejection - Brackish Water Element

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%)</th>
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<tbody>
<tr>
<td>MBROYR307123</td>
<td>40.9</td>
<td>47.9 (12650)</td>
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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Permeate tube length inches (mm)</th>
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<tbody>
<tr>
<td>MBROYR307123</td>
<td>17.0 (75)</td>
<td>A: 40 (1016) B: 7.89 (200) C: 1125 (28.6)</td>
<td>16.4 (36)</td>
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</table>

**Type**
- Configuration: Spiral Wound
- Membrane Polymer: Composite Polyamide
- Brine Spacer Material: Polypropylene

**Test Conditions**
- 2000 ppm NaCl solution, 10.3 bar, 25°C, pH 8.0,
- Permeate Recovery 15%.

**Operating Limits***
- Maximum Applied Pressure: 41.4 bar (600 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 13.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Element Recovery: 19%
- Maximum Pressure Drop Per Element: 1.0 bar (15 psi)

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**Hydrex™ inhibitors** are employed during routine operation for:
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- Prevention of biofouling
- Prevention of membrane oxidation

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RO MEMBRANES VRO-HWS390FF
Heat Sanitizable Full-Fit Elements

Test Conditions
2000 ppm NaCl solution, 10.3 bar, 25°C, pH 6.5 - 7.0, Permeate Recovery 15%.

Operating Limits*
Maximum Applied Pressure: 41.4 bar (600 psig)
Maximum Free Chlorine Concentration: < 0.1 ppm
Maximum Operating Temperature: 45°C
Feedwater pH Range: 2.0 - 11.0
Cleaning pH Range: 1.0 - 12.0
Maximum Feedwater Turbidity: 1.0 NTU
Maximum Feedwater Fouling Index (SDI): 5.0
Maximum Sanitizing Temperature: 85°C
Maximum Sanitizing Pressure: 1.7 bar (25 psi)
Temperature pH 10: 35°C

Veolia RO membranes are designed to be operated with Hydrex™ additives to get optimum performance and extended life of the membranes. Hydrex™ inhibitors are employed during routine operation for:
• Inhibition of mineral scales and metal deposits
• Prevention of biofouling
• Prevention of membrane oxidation

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Visit our website: www.veoliawatertechnologies.com/vwsro_membranes/en/
RO MEMBRANES VRO-HWS4040FF
Heat Sanitizable Full-Fit Elements

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%)</th>
<th>Minimum</th>
<th>Nominal</th>
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</thead>
<tbody>
<tr>
<td>MBROYN307124</td>
<td>8.4</td>
<td>7.2 (1900)</td>
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<td>99.5</td>
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<table>
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<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Core Tube Extension inches (mm)</th>
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</thead>
<tbody>
<tr>
<td>MBROYN307124</td>
<td>-</td>
<td>A: 40 (1016) B: 3.98 (101) C: 0.75 (19.1)</td>
<td>3.2 (7)</td>
<td>1.05 (26.7)</td>
</tr>
</tbody>
</table>

Type: Sanitizable Spiral Wound
Configuration: Full-Fit (Mesh wrap)
Membrane Polymer: Composite Polyamide
ATD & Core Tube Material: Polysulphone

Test Conditions
2000 ppm NaCl solution, 10.3 bar, 25°C, pH 6.5 - 7.0, Permeate Recovery 15%.

Operating Limits*
- Maximum Applied Pressure: 41.4 bar (600 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 12.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Sanitizing Temperature: 85°C
- Maximum Sanitizing Pressure: 1.7 bar (25 psi)
- Temperature pH 10: 35°C

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RO MEMBRANES VRO-SE4040
Extra Low Energy, Excellent Productivity - Brackish Water Element

**Test Conditions**
2000 ppm NaCl solution, 8.6 bar, 25°C, pH 8.0, Permeate Recovery 15%.

**Operating Limits**
- **Maximum Applied Pressure:** 20.7 bar (300 psig)
- **Maximum Free Chlorine Concentration:** < 0.1 ppm
- **Maximum Operating Temperature:** 45°C
- **Feedwater pH Range:** 2.0 - 11.0
- **Cleaning pH Range:** 1.0 - 13.0
- **Maximum Feedwater Turbidity:** 1.0 NTU
- **Maximum Feedwater Fouling Index (SDI):** 5.0
- **Maximum Element Recovery:** 19%
- **Maximum Pressure Drop Per Element:** 1.0 bar (15 psi)

**Part Number**
- MBROYN307130

<table>
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<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Core Tube Extension inches (mm)</th>
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<tbody>
<tr>
<td>MBROYN307130</td>
<td>3.6 (16)</td>
<td>A: 40 (1016)  B: 3.95 (100.3)  C: 0.75 (19.1)</td>
<td>3.6 (8)</td>
<td>1.05 (26.7)</td>
</tr>
</tbody>
</table>

**Type**
- **Configuration:** Spiral Wound
- **Membrane Polymer:** Composite Polyamide
- **Brine Spacer Material:** Polypropylene

**Veolia RO membranes** are designed to be operated with **Hydrex™ additives** to get optimum performance and extended life of the membranes.

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**RO MEMBRANES VRO-XSE400-28**  
High Rejection, High Productivity - Sea Water Element

### Type
- **Configuration:** Spiral Wound  
- **Membrane Polymer:** Composite Polyamide  
- **Brine Spacer Material:** Polypropylene

### Test Conditions
- 32000 ppm NaCl solution, Boron Concentration 5 ppm, 56 bar, 25°C, pH 8.0, Permeate Recovery 8%.

### Operating Limits*
- **Maximum Applied Pressure:** 82.7 bar (1200 psig)  
- **Maximum Free Chlorine Concentration:** < 0.1 ppm  
- **Maximum Operating Temperature:** 45°C  
- **Feedwater pH Range:** 2.0 - 11.0  
- **Cleaning pH Range:** 1.0 - 13.0  
- **Maximum Feedwater Turbidity:** 1.0 NTU  
- **Maximum Feedwater Fouling Index (SDI):** 5.0  
- **Maximum Element Recovery:** 19%  
- **Maximum Pressure Drop Per Element:** 1.0 bar (15 psi)

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%) Minimum</th>
<th>Nominal</th>
<th>Boron Rejection (%) Stabilized</th>
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<tr>
<td>MBROYR307133</td>
<td>37.1</td>
<td>34 (9000)</td>
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<table>
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<th>Part Number</th>
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<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Permeate tube length inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYR307133</td>
<td>17.0 (75)</td>
<td>40 (1016)</td>
<td>16.4 (36)</td>
<td>-</td>
</tr>
</tbody>
</table>

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Veolia/WSSRO/VRO-XSE400-28/EN_V1.0/June2016
RO MEMBRANES VRO-XSE2521  
Extra Low Energy, Excellent Productivity - Brackish Water Element

**Part Number** | **Nominal Area m²** | **Permeate Flow Rate m³/d (usgpd)** | **Stabilized Salt Rejection (%)**
--- | --- | --- | ---
MBROYL307126 | 11 | 1.4 (365) | 99.0

<table>
<thead>
<tr>
<th>Part Number</th>
<th><strong>Maximum Feed Flow</strong> m³/hr (usgpm)</th>
<th><strong>Dimensions inches (mm)</strong></th>
<th><strong>Weight kg (lbs)</strong></th>
<th><strong>Core Tube Extension inches (mm)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYL307126</td>
<td>1.4 (6)</td>
<td>21.0 (533.4)</td>
<td>0.9 (2)</td>
<td>1.2 (30.5)</td>
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</table>

**Type**
- Configuration: Spiral Wound
- Membrane Polymer: Composite Polyamide
- Brine Spacer Material: Polypropylene

**Test Conditions**
- 500 ppm NaCl solution, 6.9 bar, 25°C, pH 6.5 - 7.0
- Permeate Recovery 8%

**Operating Limits**
- Maximum Applied Pressure: 20.7 bar (300 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 13.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Element Recovery: 19%
- Maximum Pressure Drop Per Element: 0.9 bar (13 psi)

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RO MEMBRANES VRO-XSE2540
Extra Low Energy, Excellent Productivity - Brackish Water Element

**Part Number** | **Nominal Area** \( m^2 \) | **Permeate Flow Rate** m³/d (usgpd) | **Stabilized Salt Rejection (%)**
---|---|---|---
MBROYL307127 | 2.6 | 3.2 (850) | 99.0

<table>
<thead>
<tr>
<th>Part Number</th>
<th><strong>Maximum Feed Flow</strong> m³/hr (usgpm)</th>
<th><strong>Dimensions</strong> inches (mm)</th>
<th><strong>Weight</strong>. kg (lbs)</th>
<th><strong>Core Tube Extension</strong> inches (mm)</th>
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<tbody>
<tr>
<td>MBROYL307127</td>
<td>1.4 (6)</td>
<td>A: 40.0 (1016)  B: 2.4 (61)  C: 0.75 (19.1)</td>
<td>1.8 (4)</td>
<td>1.2 (30.5)</td>
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**Type**

- **Configuration**: Spiral Wound
- **Membrane Polymer**: Composite Polyamide
- **Brine Spacer Material**: Polypropylene

**Test Conditions**

- 500 ppm NaCl solution, 6.9 bar, 25°C, pH 6.5 - 7.0, Permeate Recovery 15%

**Operating Limits**

- **Maximum Applied Pressure**: 20.7 bar (300 psig)
- **Maximum Free Chlorine Concentration**: < 0.1 ppm
- **Maximum Operating Temperature**: 45°C
- **Feedwater pH Range**: 2.0 - 11.0
- **Cleaning pH Range**: 1.0 - 13.0
- **Maximum Feedwater Turbidity**: 1.0 NTU
- **Maximum Feedwater Fouling Index (SDI)**: 5.0
- **Maximum Element Recovery**: 19%
- **Maximum Pressure Drop Per Element**: 0.9 bar (13 psi)

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Veolia/VWSRO-VRO-XSE2540/EN_V1.0/June2016
RO MEMBRANES VRO-XSE4021
Extra Low Energy, Excellent Productivity - Brackish Water Element

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Stabilized Salt Rejection (%)</th>
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<tbody>
<tr>
<td>MBROYN307129</td>
<td>3.29</td>
<td>3.88 (1025)</td>
<td>99.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Core Tube Extension inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYN307129</td>
<td>3.2 (14)</td>
<td>21.0 (533.4)</td>
<td>0.75 (19.1)</td>
<td>1.8 (4)</td>
</tr>
</tbody>
</table>

**Type**
- Configuration: Spiral Wound
- Membrane Polymer: Composite Polyamide
- Brine Spacer Material: Polypropylene

**Test Conditions**
- 500 ppm NaCl solution, 6.9 bar, 25°C, pH 6.5 - 7.0,
- Permeate Recovery 8%.

**Operating Limits**
- Maximum Applied Pressure: 20.7 bar (300 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 13.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Element Recovery: 19%
- Maximum Pressure Drop Per Element: 0.9 bar (13 psi)

Veolia RO membranes are designed to be operated with Hydrex™ additives to get optimum performance and extended life of the membranes.

Hydrex™ inhibitors are employed during routine operation for:
- Inhibition of mineral scales and metal deposits
- Prevention of biofouling
- Prevention of membrane oxidation

Hydrex™ cleaners are employed during periodical cleaning of the RO units (CIP) to recover the performances of the membranes.

The complete Hydrex™ program will be determined by our engineers depending on water quality and system design.

* Operating limits are for information only, actual operating conditions should be optimised to ensure best performance and membrane life.

Notice: Minimum permeate flow for individual elements is 15% below listed flow. All membrane elements are supplied with a brine seal and o-rings. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium metabisulphite and 10% propylene glycol solution and then packaged in a cardboard box.

Veolia Water Technologies accept no responsibility for results obtained by the application of this information or the safety or suitability of our products, either alone or in combination with other products.

Visit our website: www.veoliawatertechnologies.com/vwsro_membranes/en/
RO MEMBRANES VRO-XSE440-28
Extra Low Energy, High Rejection - Brackish Water Element

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%)</th>
<th>Minimum</th>
<th>Nominal</th>
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</thead>
<tbody>
<tr>
<td>MBROYR307122</td>
<td>40.9</td>
<td>53 (14000)</td>
<td>97.0</td>
<td>97.0</td>
<td>99.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Permeate tube length inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYR307122</td>
<td>17.0 (75)</td>
<td>40 (1016) 7.89 (200) 1.5 (38,1)</td>
<td>16,4 (36)</td>
<td>-</td>
</tr>
</tbody>
</table>

**Type**
Configuration: Spiral Wound
Membrane Polymer: Composite Polyamide
Brine Spacer Material: Polypropylene

**Test Conditions**
2000 ppm NaCl solution, 8.6 bar, 25°C, pH 8.0,
Permeate Recovery 15%.

**Operating Limits***
Maximum Applied Pressure: 41.4 bar (600 psig)
Maximum Free Chlorine Concentration: < 0.1 ppm
Maximum Operating Temperature: 45°C
Feedwater pH Range: 2.0 - 11.0
Cleaning pH Range: 1.0 - 13.0
Maximum Feedwater Turbidity: 1.0 NTU
Maximum Feedwater Fouling Index (SDI): 5.0
Maximum Element Recovery: 19%
Maximum Pressure Drop Per Element: 1.0 bar (15 psi)

Veolia RO membranes are designed to be operated with Hydrex™ additives to get optimum performance and extended life of the membranes.

Hydrex™ inhibitors are employed during routine operation for:
- Inhibition of mineral scales and metal deposits
- Prevention of biofouling
- Prevention of membrane oxidation

Hydrex™ cleaners are employed during periodical cleaning of the RO units (CIP) to recover the performances of the membranes.

The complete Hydrex™ program will be determined by our engineers depending on water quality and system design.

* Operating limits are for information only, actual operating conditions should be optimised to ensure best performance and membrane life.

Notice: Minimum permeate flow for individual elements 15% below listed flow. All membrane elements are supplied with a brine seal and o-rings. Elements are vacuum sealed in a polyethylene bag containing less than 1.0% sodium metabisulphite and 10% propylene glycol solution and then packaged in a cardboard box.

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Visit our website: www.veoliawatertechnologies.com/vwsro_membranes/en/
RO MEMBRANES VRO-HRSE400-28
Low Energy, Very High Rejection - Brackish Water Element

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Area m²</th>
<th>Permeate Flow Rate m³/d (usgpd)</th>
<th>Salt Rejection (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYR307862</td>
<td>37</td>
<td>44 (11500)</td>
<td>99.0</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Maximum Feed Flow m³/hr (usgpm)</th>
<th>Dimensions inches (mm)</th>
<th>Weight. kg (lbs)</th>
<th>Permeate tube length inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBROYR307862</td>
<td>17.0 (75)</td>
<td>40 (1016) 7.89 (200) 1125 (28.6)</td>
<td>16.4 (36)</td>
<td>-</td>
</tr>
</tbody>
</table>

**Type**
- **Configuration:** Spiral Wound
- **Membrane Polymer:** Composite Polyamide
- **Brine Spacer Material:** Polypropylene

**Test Conditions**
- 2000 ppm NaCl solution, 10.3 bar, 25°C, pH 8.0, Permeate Recovery 15%.

**Operating Limits**
- Maximum Applied Pressure: 41.4 bar (600 psig)
- Maximum Free Chlorine Concentration: < 0.1 ppm
- Maximum Operating Temperature: 45°C
- Feedwater pH Range: 2.0 - 11.0
- Cleaning pH Range: 1.0 - 13.0
- Maximum Feedwater Turbidity: 1.0 NTU
- Maximum Feedwater Fouling Index (SDI): 5.0
- Maximum Element Recovery: 19%
- Maximum Pressure Drop Per Element: 1.0 bar (15 psi)

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