



BW 400 AFR G2

Anti-fouling brackish water RO membrane with superior salt rejection and an advanced 34 mil low dP feed spacer technology



Key Features

- Intrinsic anti-fouling membrane property
- Superior salt rejection
- Optimized membrane surface hydraulics
- Reduced differential pressure

Main Benefits

- High permeate water quality
- Reduced cleaning frequency, chemical use, and membrane replacements
- Reduced energy consumption and total cost of plant ownership

Ideal Applications

- Industrial process water
- Municipal drinking water
- Water reuse
- ZLD/MLD



This product is certified to NSF/ANSI/CAN Standard 61 for drinking water systems

D-BW400AFRG2-EN-013026

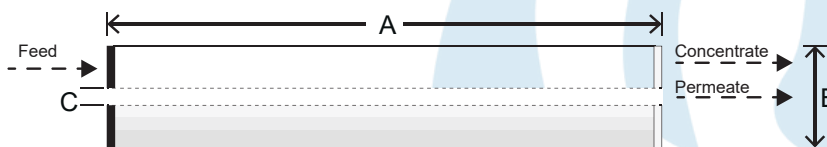
Performance Specifications

| Item | Unit | Test Condition A | Test Condition B |
|-----------------------------|-----------------------------------|------------------|------------------|
| Permeate Flow Rate | GPD (m ³ /d) | 11,500 (43.5) | 12,000 (45.4) |
| Stabilized Salt Rejection | % | 99.7 | 99.74 |
| Minimum Salt Rejection | % | 99.6 | 99.65 |
| Active Membrane Area | ft ² (m ²) | 400 (37) | |
| Feed Spacer Thickness, Type | mil | 34, low dP | |

The specifications outlined above are normalized performances based on the following test conditions:

- Test Condition A: 2,000 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 7, Recovery 15%
- Test Condition B (referential only): 1,500 ppm NaCl, 225 psi (15.5 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary by ±15%

Dimensions and Weight



| Dimensions: mm (in) | | | Wet Weight: kg (lbs) |
|---------------------|--------------|----------------|----------------------|
| A | B | C | |
| Element Length | Element O.D. | Core Tube I.D. | 16 (35) |
| 1,016 (40) | 200 (7.9) | 28.6 (1.125) | |

All dimensional information is indicative and for reference only. Please contact The Company for detailed technical specifications.

Operating Specifications

| Specification | Unit | Value |
|---------------------------------------------|-------------------------|------------|
| Maximum Applied Pressure | psi (bar) | 600 (41.3) |
| Maximum Chlorine Concentration | ppm | < 0.1 |
| Maximum Operating Temperature | °C (°F) | 45 (113) |
| pH Range, Continuous Operation | | 2–11 |
| pH Range, Cleaning | | 1–13 |
| Maximum Feed Water Turbidity | NTU | 1.0 |
| Maximum Feed Water SDI ₁₅ | | 5.0 |
| Maximum Feed Flow | gpm (m ³ /h) | 75 (17) |
| Maximum Pressure Drop (ΔP) for Each Element | psi (bar) | 15 (1.0) |

These operating specifications are for general use. For specific applications, operation at more conservative values may ensure better performance and extended membrane life. See The Company Technical Bulletins for more details.

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