

## Reverse osmosis membranes

## ROBLUE TW4040 105 XLE HF

[Link to product's PDF drawing](http://www.everblue.it/CadDrawings/RBTW4040105XLEHF.pdf)

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## FEATURES

|                                      |                       |
|--------------------------------------|-----------------------|
| Model                                | ROBLUE                |
| Configuration                        | Spiral wound membrane |
| Membrane material                    | Polyamide composite   |
| Brine spacer material conc./permeate | Polypropylene         |
| Membrane area                        | 105 ft <sup>2</sup>   |
| Weight                               | 8,0 lbs (3,6 Kg.)     |

## TECHNICAL SPECS

|           |                                   |
|-----------|-----------------------------------|
| Flow min. | 3700 gpd (14,0 m <sup>3</sup> /d) |
| Rejection | 98,8% (nominale) 98,0% (minimo)   |

## TEST CONDITIONS

|                   |                    |
|-------------------|--------------------|
| Solution NaCl     | 1500 ppm           |
| Pressure          | 150 psi (10,3 bar) |
| Temperature       | 77°F (25°C)        |
| Permeate recovery | 15%                |
| PH Range          | 6,5 - 7,0          |

## MAX OPERATING LIMITS

|  |                                |
|--|--------------------------------|
| Operating pressure (fiberglass)                        |                                |
| Operating pressure (tape wrapped)                      | 300 psi (20,7 bar)             |
| Pressure drop  | 10 psi (0,7 bar)               |
| Temperature  | 113°F (45°C)                   |
| Feed flow  | 16 gpm (3,6 m <sup>3</sup> /h) |
| Clorine concentration                                  | < 0,1 ppm                      |
| Feed water SDI max (15 min.)                           | 5,0                            |
| Feed water turbidity max                               | 1,0 NTU                        |
| Feed water pH  | 3,0 - 10,0                     |
| Min. ration of concentrate to permeate flow each elem. | 5:1                            |

| Code             | Description              | Quantity box | - |
|------------------|--------------------------|--------------|---|
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## ROBLUE TW4040 105 XLE HF

**MEMBRANES CODE LIST**

| Model | Type | Diameter |    | Length |    | Area                |     | Pressure         |     | Spec/rejection |    |
|-------|------|----------|----|--------|----|---------------------|-----|------------------|-----|----------------|----|
| RB    | TW   | 4"       | 40 | 40"    | 40 | 105 ft <sup>2</sup> | 105 | Extra Low Energy | XLE | High Flux      | HF |

*Approximate picture. Configuration and measures choice will lead to the assembly of a product which could differ from those shown in figure*



*The permeate flow for individual elements may vary + or - of 15%. The elements are vacuum sealed in a polyethylene bag and containing less than 1.0% sodium metabisulphite and 10% propylene glycol solution.*

The limitations mentioned in the "Operating Limits" are for general use. For specific projects, the values may be more conservative to ensure the best performance and a longer life of the membrane.

The customer is fully responsible for the effects on the elements of incompatible chemicals. The presence of free chlorine and other oxidizing agents will cause damage to the membrane. The damage is not covered under warranty.

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