

E SERIES | EW Elements

Microfiltration

Pre/Pretreatment for RO/NF

The E-Series family consists of microfiltration elements utilizing polysulfone membrane.

The EW family of elements should be selected when pretreatment is in need to keep an RO or a Nanofiltration system running. EW will remove suspended solids and other known foulants.

EW Microfiltration elements feature a tape or fiberglass outer wrap and standard feed spacers.

ELEMENT SPECIFICATIONS

| MODEL | PORE SIZE MICRON | ACTIVE AREA FT ² (m ²) |
|---------|------------------|--|
| EW4025T | 0.04 | 55 (5.1) |
| EW4026F | 0.04 | 50 (4.6) |
| EW4040F | 0.04 | 85 (7.9) |
| EW4040T | 0.04 | 85 (7.9) |
| EW8040F | 0.04 | 370 (34.4) |

OPERATING AND DESIGN PARAMETERS

| TYPICAL OPERATING PRESSURE | TYPICAL OPERATING PROCESS FLUX | MAXIMUM TEMPERATURE | RECOMMENDED pH | CHLORINE TOLERANCE |
|--------------------------------|---|---------------------|---|--------------------|
| 30-150 psig (207-1,034 kPa) | Pre treatment 10-30 GFD (15-50 LMH) Post treatment 10-40 GFD (15-70) LMH | 122°F (50°C) | Operating pH Range: 2.5-11.0 Cleaning pH Range: 2.0-11.5 | 5,000+ ppm days |



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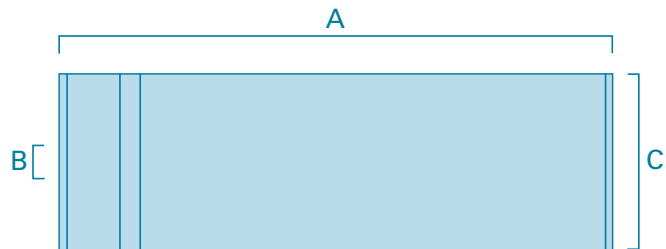
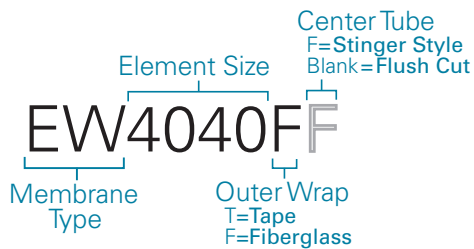
Microfiltration

Pretreatment for RO/NF

| MAXIMUM PRESSURE DROP | ELEMENTS PER PRESSURE VESSEL | | | | |
|--------------------------|------------------------------|----------|----------|----------|----------|
| | 1 | 2 | 3 | 4 | 5 |
| ΔP - psig (kPa) | 10 (69) | 20 (138) | 30 (207) | 40 (276) | 50 (345) |

ELEMENT DIMENSIONS AND WEIGHT

MODEL NUMBER LEGEND



| MODEL | DIMENSIONS INCHES(MM) | | | DRY BOXED |
|---------|-----------------------|------------|------------|-----------------|
| | A | B | C | WEIGHT LBS (KG) |
| EW4025T | 25.00 (635) | 0.625 (16) | 3.88 (99) | 5 (2.3) |
| EW4026F | 26.25 (667) | 0.625 (16) | 3.88 (99) | 6 (2.7) |
| EW4040F | 40.00 (1016) | 0.625 (16) | 3.88 (99) | 12 (5.5) |
| EW4040T | 40.00 (1016) | 0.625 (16) | 3.88 (99) | 12 (5.5) |
| EW8040F | 40.00 (1016) | 1.125 (29) | 7.88 (200) | 32 (14.5) |



GE Infrastructure
Water & Process Technologies
www.gewater.com

Global Headquarters
Trevose, PA
215-355-3300

North America
Vista, CA
760-598-3334

Europe/Middle East/Africa
LeMee sur Seine, France
33-1-64-10-20-00

Asia/Pacific
Bangkok, Thailand
66-2381-4213

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