



TRISEP® SB90

Cellulose Acetate (CA)

NF Membrane

The TRISEP® SB series of cellulose acetate membranes features a cellulose acetate / triacetate blend that delivers an excellent combination of solute rejection, fouling resistance, and chlorine tolerance. SB90 is a nanofiltration CA membrane that operates at a much lower pressure than a CA RO membrane while still offering high quality permeate. SB90 membrane sheet is available in wet flat sheet rolls.

MEMBRANE CHARACTERISTICS

Membrane Chemistry	Backing Material	Stabilized Salt Rejection (%)	Salt Rejection Bounds (%)
Cellulose Acetate (CA)	Non-Woven Polyester	85.0	80.0 - 90.0

Flux Range LMH (GFD) ^a	Thickness (µm)	Nominal Operating pH Range ^b	Chlorine Tolerance
44.2 - 69.7 (26.0 - 41.0)	160 - 200	5.5	0.5 ppm nominal, 1 ppm max

^a Test conditions: 2,000 ppm NaCl, 15.5 bar (225 psi), 25°C (77°F), 15% recovery, pH 5.5, 30 minutes operation. Membrane specifications may change without notice as design revisions occur.

^b Cleaning pH range: 2.0 - 7.5

IMPORTANT INFORMATION

Standard Sizes: TRISEP flat sheet membrane is available in a sample size of 305 mm x 1,016 mm (12 in x 40 in) and in a nominal roll size of 305 m x 1,016 mm (1,000 ft x 40 in). Custom lengths may be available on request.

Initial Flush: MANN+HUMMEL Water & Fluid Solutions recommends flushing membrane for 30 minutes and discarding permeate during the flush prior to operation.

Storage: Wet TRISEP membrane must remain sealed and refrigerated prior to use. Please see Membrane Storage Guide - Flat Sheet Membrane (TSG-O-011).

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