

AFC80 MEMBRANE



Polymer	Polyamide Film
pH Range	1.5 to 10.5
Maximum Pressure	60 BAR
Maximum Temperature	70°C
Feed Flow Rate	up to 30 l/min per single tube
Minimum Flux	35 l/m ² /hr at 15°C and 40 bar for 5000 ppm NaCl
Nominal Retention Character	80% NaCl

CIP Solution

Caustic:

This clean may only be used once per week for these membranes – either Sufficient Ultrasil 110 to give a pH less than 10.5 (0.05% - 0.1% w/w) plus 0.25% w/w SLS (Empicol LXV from Huntsman) (based on plant tubeside volume) at 45°C maximum recirculated for 60 minutes;

Enzyme Detergent:

0.5% w/w Ultrasil 67 (based on plant tubeside volume) at pH 7.0 to 8.0 at 30-40°C recirculated for 60 - 90 minutes. OR 0.5% w/w Ultrasil 69 & 67 (based on plant tubeside volume) at pH 8.5 to 9.1, at 30-35°C recirculated for 60-90 minutes.

Acid:

Sufficient Nitric Acid or Ultrasil 75 to give a solution of pH 2.0 (based on plant total volume) equivalent to 2ml/l of 70% Nitric Acid at 50-60°C recirculated for 30 minutes.

Sanitisation:

175ppm of 100% hydrogen peroxide (based on plant total volume) 10-25°C recirculated for 40-60 minutes (approximately 0.5 ml/l of 30% w/w hydrogen peroxide solution). 2ml/l of 70% Nitric Acid at 50-60°C recirculated for 30 minutes