

*Nominal Rejection Characteristics of **ACM-Water**
Cellulose Triacetate Reverse Osmosis Membranes
CTA*

Ion	% Rejection	Ion	% Rejection	Ion	% Rejection
Aluminium	85-95	Ferrocyanide	96-98	Selenium	90-95
Ammonium	85-90	Fluoride	85-90	Silicate	80-90
Arsenic	90-95	Iron	92-96	Silver	90-95
Barium	94-96	Lead	94-96	Sodium	90-95
Bicarbonate	85-95	Magnesium	94-97	Strontium	95-97
Borate	25-50	Manganese	92-96	Sulphate	96-98
Bromide	85-90	Mercury	94-96	Sulphite	94-96
Calcium	92-95	Nitrate	50-70	Zinc	96-98
Chloride	90-95	Nickel	96-98	CTA Membrane	
Chromate	80-90	Nitrite	51-68		
Copper	96-98	Phosphate	95-97		
Cyanide	80-90	Potassium	85-95		

The above percent in rejection is for reference only. Actual rejection will depend heavily on the exact chemistry, temperature, pressure, and TDS content of the feed water.

Nominal Rejection Characteristics of **ACM-Water** Thin Film Composite Reverse Osmosis Membranes TFC

Ion	% Rejection	Ion	% Rejection	Ion	% Rejection
Aluminium	96-98	Fluoride	92-95	Polyphosphate	96-98
Ammonium	80-90	Hardness Ca & MG	93-97	Potassium	92-96
Bacteria	99+	Iron	96-98	Radioactivity	93-97
Borate	30-50	Lead	95-98	Silica	80-90
Boron	50-70	Magnesium	93-98	Silicate	92-95
Bromide	90-95	Manganese	96-98	Silver	93-96
Cadmium	93-97	Mercury	94-97	Sodium	92-98
Calcium	93-98	Nitrate	90-98	Sulfate	96-98
Chloride	92-95	Nickel	96-98	TDS*	96-99
Chromate	85-95	Nitrite	93-97	Thiosulfate	96-98
Copper	96-99	Orthophosphate	96-98	Zinc	98-99
Cyanide	85-96	Phosphate	95-98	Virus	99+

****TDS= Total Dissolved Solids***

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