

Reverse Osmosis Information

Typical ionic rejection for reverse osmosis membranes @ 225 psi.

CATIONS			
MATERIAL	SYMBOL	% REJECTION CTA	% REJECTION TFC
SODIUM	Na ⁺	90 - 93	99
CALCIUM	Ca ⁺²	94 - 97	99
MAGNESIUM	Mg ⁺²	96 - 98	99
POTASSIUM	K ⁺	87 - 94	98
IRON	Fe ⁺²	95 - 98	99
MANGANESE	Mn ⁺²	95 - 98	99
ALUMINUM	Al ⁺³	98 - 99	99
AMMONIUM	NH ₄ ⁺	86 - 92	97
COPPER	Cu ⁺²	98 - 99	99
NICKEL	Ni ⁺²	98 - 99	99
ZINC	Zn ⁺²	98 - 99	99
STRONTIUM	Sr ⁺²	98 - 99	
CADMIUM	Cd ⁺²	96 - 98	99
SILVER	Ag ⁺	93 - 98	98
MERCURY	Hg ⁺²	96 - 98	98
BARIUM	Ba ⁺²	96 - 98	>99
CHROMIUM	Cr ⁺³	96 - 99	99
LEAD	Pb ⁺²	96 - 98	99

ANIONS			
MATERIAL	SYMBOL	% REJECTION CTA	% REJECTION TFC
CHLORIDE	Cl ⁻	87 - 93	99
BICARBONATE	HCO ₃ ⁻	90 - 95	98
NITRATE	NO ₃ ⁻	60 - 75	97
FLUORIDE	F ⁻	87 - 93	98
SILICATE	SiO ₂ ⁻²	85 - 90	98
PHOSPHATE	PO ₄ ⁻³	98 - 99	99
CHROMATE	CrO ₄ ⁻²	86 - 92	99
CYANIDE	Cn ⁻	86 - 92	95
SULFITE	SO ₃ ⁻²	96 - 98	
THIOSULFATE	S ₂ O ₃ ⁻²	98 - 99	99
FERROCYANIDE	Fe(Cn) ₆ ⁻³	98 - 99	97
BROMIDE	Br ⁻	87 - 93	98
BORATE	B ₄ O ₂ ⁻²	30 - 50	<50
SULFATE	SO ₄ ⁻²	98 - 99	99
ARSENIC	As ⁻³	94 - 96	99
SELENIUM	Se ⁻²	94 - 96	99