



MT Cleaner Selection Guide

The FCT Water MT Cleaners are specifically formulated products for removing deposits from reverse osmosis (RO) membranes. There are several types of commonly encountered RO membrane deposits. The three-step procedure below provides a means for selecting the proper cleaner(s). Additional information for MT-3100, MT-5010, and MT-8100 Cleaners are presented in the technical data sheets and directions for use for these products.

1) Analyze:

Characterize the deposit(s) on the membrane. FCT Water's TEC-RO program facilitates the identification of most RO membrane deposits.

2) Identify:

Identify the most appropriate MT Cleaner(s) using the Selection Chart below:

Deposits	MT-3100	MT-5010	MT-8100
Mineral Scales			
• Calcium carbonate	XXX	X	XX
• Calcium sulfate	O	X	XXX
• Strontium sulfate	O	X	XXX
• Barium sulfate	O	X	XXX
Colloidal/Suspended Solid Foulants			
• Metal oxides/hydroxides	XXX	X	X
• Silica	XXX	O	O
• Metal silicates	XXX	O	O
• Silt/clay	XX	XXX	X
• Organics	X	XXX	XX
• Metal sulfides	X	XX	XX
Biofoulants	X	XXX	XX

Key: XXX = Excellent, XX = Good, X = Fair, O = Not recommended



MT Cleaner Selection Guide Continued...

3) Compatibility:

Refer to the Membrane Compatibility Chart below to determine the suitability of MT Cleaners with specific membranes.

Manufacturer	Type/Model	MT-3100	MT-5010	MT-8100
Desal	CA	X	X*	X*
	1,2,3,5	X	X	X
DuPont	B-9	XX	XX	XX
	B-10	XX	XX	XX
FilmTec	FT30	XX	X	XX
	FT70	XX	X	XX
Fluid Systems	ROGA (CA)	X	X*	X*
	TFC	X	X	X
	TFCs	X	X	X
Hydranautics	PVD	X	X	X
	CPA	X	X	X
	CAB (CA)	X	X*	X*
	ESPA	X	X	X
	SWC	X	X	X
Osmonics	CA	X	X*	X*
	PA	X	X	X
Toray	SU	X	X	X
Toyoba	Hollosep HA, HR, HM (CA)	X	X*	X*
	Hollosep HS	X	X	X
TriSep	A-15	X	X	X
	ACM	X	X	X
	SB (CA)	X	X*	X*
	TS 80	X	X	X

Key to Compatibility of Products with Membranes:

XX = Membrane manufacturer and FCT Water have determined product is compatible when following FCT Water's "Directions for Use."

X = FCT Water has determined product is suitable when following "Directions for Use."

* = Membrane manufacturer may require adjustment of cleaning solution pH prior to use in order to minimize hydrolysis and avoid rejuvenation of membrane(s).

The effectiveness of the MT Cleaners in removing deposits from RO membranes is dependent upon the nature and amount of the deposits, and the cleaning procedure.

For further information or assistance please contact your FCT Water TEC-RO distributor, sales agent, or FCT Water at the web site noted on the preceding page.

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