

## RO Membrane Cleaning Chemical

**AQUASOLN R 500** is a formulated cleaner for removing silica, metal silicates, metal oxides/hydroxides, and other colloidal particulate based foulants from RO membrane elements. **AQUASOLN R 500** is also effective in removing calcium carbonate, calcium phosphates and silt.

The duration of the cleaning process depends upon the amount and nature of the fouling to be removed. Although a cleaning period of one hour at low velocity followed by 1-2 hours soaking then one hour high velocity circulation and permeate flushing

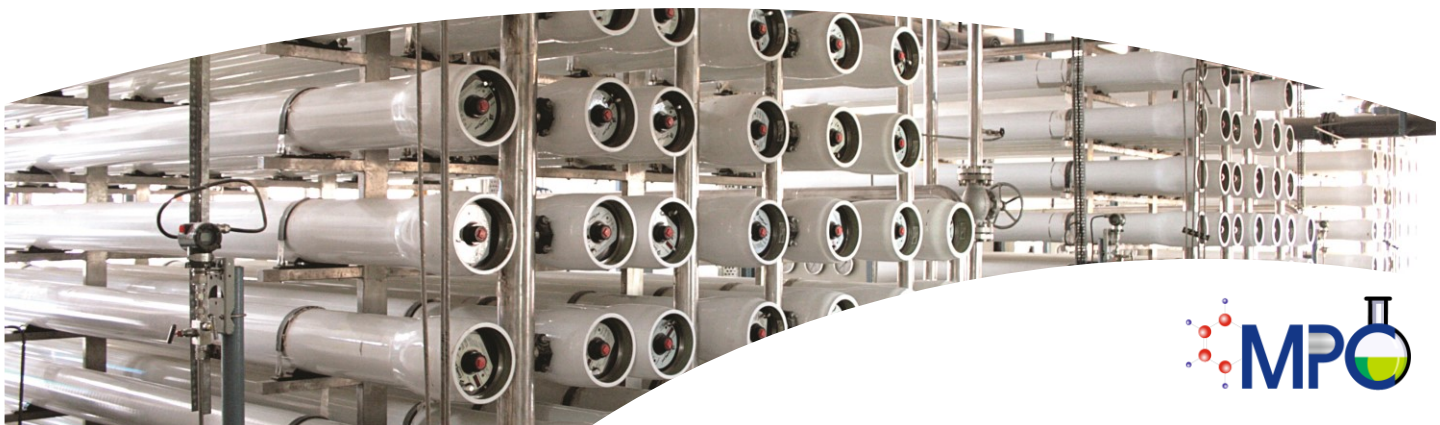
### Benefits:

- Highly effective concentrated powder
- Effectively restores membrane performance deteriorated due to scaling
- Harsh on foulants but gentle on membranes
- Cost effective

Physical and Chemical Properties	
Appearance	Off white to white powder
pH of 2% Aq. Solution	< 3
Solubility in water	100 g/ l
Flash Point	154.2 °C

Typical cleaning solutions are made with chlorine-free product water, and are based on 2% w/w **AQUASOLN R 500**. Typically it is recommended to be used after alkaline or biocidal cleaning for better efficacy, however actual cleaning programme may vary and will be suggested by your Doshion representative after carefully examining your system.

It is recommended to rinse the membranes after the cleaning process with good quality water to remove residual cleaning solution. When the plant is returned to service the product water must be discarded for the first 15 minutes to ensure that it is free of the cleaning agent.



## Full Range of Membrane Performance Chemical

RO Membrane Chemicals	Aquasoln Range for RO	UF Membrane Chemicals
DCC - Bior	Aquasoln R 102	DCC - UFC - I
DCC - Inor	Aquasoln R 104	DCC - UFC - O
DCC - Col	Aquasoln R 106	DCC - UFC - C
DCC - Stor	Aquasoln R 109	DCC - UFC - S
Doshion - 51 (HS)	Aquasoln R 201	
Doshion - 52 (L)	Aquasoln R 202	
Doshion - 53	Aquasoln R 203	
DoScale - 65	Aquasoln R 500	
Doshion - 6311 - LS	Aquasoln R 501	
	Aquasoln R 502	
	Aquasoln R 503	
	Aquasoln R 504	
	Aquasoln R 505	
	Aquasoln R 601	

EDI Membrane Chemicals	Speciality Chemicals	Resin Cleaners
EDC - SNO - IO - 56	Doshion - 1180	Resiclean 1
EDC - SNO - IO - 74	Doshion - C 8100	Resiclean 2
	Doshion - 3426	Resiclean 3
	Doshion - 9711 (P)	Resiclean 4
	Doshion - 9718 (Z)	

**doshion**<sup>®</sup>  
Translating Source Into Resource

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