

# PRODUCT DATA SHEET



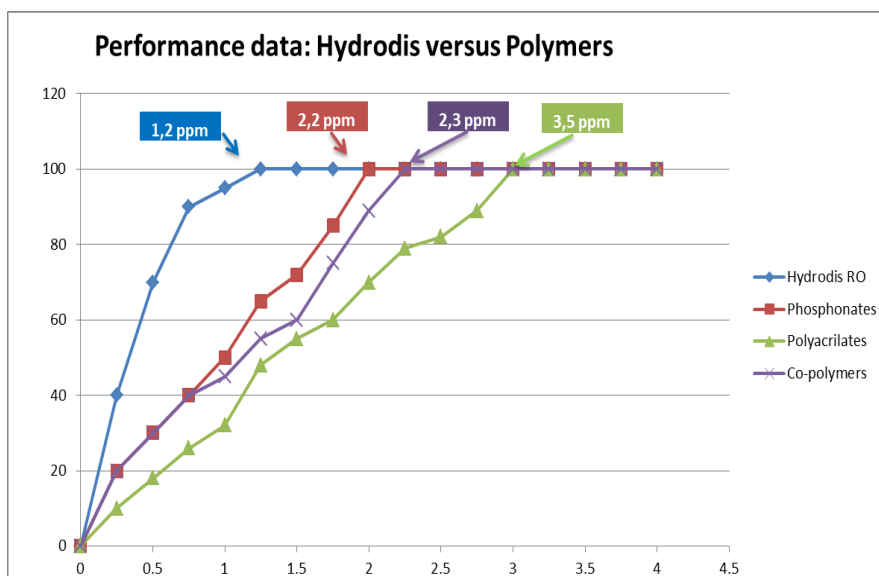
## Hydrodis RO (Antiscalant)

### OVERVIEW

- HYDRODIS R 859 ANTISCALANT, is the only non-equivalent product in the world that prevents 100% blockage of membranes in reverse osmosis systems
- Prevents calcium ( $\text{Ca}^{++}$ ), magnesium ( $\text{Mg}^{++}$ ) and bicarbonate ( $\text{HCO}_3$ ) ions from entering the reaction and prevents formation of precipitates in the membranes
- It has been proven that sea water, well water and river water reverse osmosis systems achieve **75% to 90% of high silica and iron removal**. Due to this success, membrane washing is not required in installations using HYDRODIS R 859 ANTISCALANT
- The longer the life of your membrane, the cleaner membrane surface is provided.



### ADVANTAGES



- Highly effective antiscalant for very wide water spectrum.
- Reduce membrane cleaning processes.
- Our chemicals have been tested on Dow, Hydranautics, Koch, Filmtech, GE, Vontron, Nanotech brand reverse osmosis membranes.
- Our products are manufactured in accordance with food safety and drinking water quality standards.

# HYDRODIS R 859

The antiscalant /dispergator properties developed for the reverse osmosis system. Thus preventing crust formation and allowing the colloidal particles to remain in dispersion.

Hydrodis R 859 reduces the risk of crust formation and eliminates the use of hazardous acid. At the same time it ensures efficient plant operation and optimum conversion rate.

- The need for sulfuric acid and hydrochloric acid is reduced and the risks associated with the use of these chemicals are reduced.
- Low operating cost, low cleaning and maintenance cost.
- Higher recovery in reverse osmosis system
- HYDRODIS R 859, performance is exhibited at very low dosages in different feeding waters and different pH ranges.
- Due to this success, membrane washing is not required in installations using Hydrodis
- The longer the life of your membrane is provided, the cleaner membrane surface is provided.
- Dosing amount is max 1.2 ppm 100% and it is economical.

The Performance of HYDRODIS RO Antiscalant is summarized in the following table:



HYDRODIS ANTISKALANT | HYDRODIS RO 1201 PH 7 | HYDRODIS R 859 PH 10

Feedwater source	BW	SW
CaCO <sub>3</sub>	***	***
CaSO <sub>4</sub>	***	***
BaSO <sub>4</sub> /SrSO <sub>4</sub>	**	**
SiO <sub>2</sub>	**	**
CaF <sub>2</sub>	**	**
Ca (Pb)	***	***
Fouling Inhibition	***	***
Fe / Mn	***	***

\*\*\* Excellent \*\* Very Good \* Good ○ Fair ○ Limited • Not Effective



## NSF CERTIFICATE



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**NSF/ANSI 60**  
**Drinking Water Treatment Chemicals - Health Effects**

**Giovanni Bozzetto S.p.A.**  
Via Provinciale, 12  
24040 Filago  
Italy  
39 035 996711  
Visit this company's website  
Facility : Filago, Italy

Trade Designation	Product Function	Max Use
Aminotrimethylene Phosphonic Acid Sequon RO 200	Distillation Antiscalant Reverse Osmosis Antiscalant	10mg/L
Miscellaneous Treatment Chemical HYDRODIS CSN	Distillation Antiscalant Reverse Osmosis Antiscalant	10mg/L
HYDRODIS R 859	Distillation Antiscalant Reverse Osmosis Antiscalant	10mg/L
HYDRODIS RO 1201	Distillation Antiscalant Reverse Osmosis Antiscalant	10mg/L

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