

Water treatment product selection guide

Product	Composition	Solids	pH	Additional features
Tagged polymers				
LumaTreat® FA 140	Multifunctional sulfonated polymer	44%	4.5	Phosphate scale control, dispersancy, and carbonate scale control in stabilized phosphate or neutral pH systems
LumaTreat® FB 187	Sulfonated copolymer	37%	2.5	Phosphate scale control and dispersancy, particularly in neutral pH/stabilized phosphate systems
LumaTreat® FB 242	Hydrophobically modified copolymer	40%	2.5	Calcium carbonate scale control and dispersancy, particularly in higher LSI conditions
Specialty polymers				
Versaflex® Si	Confidential	42%	5.5	Silica/magnesium silicate scale control
Aquatreat® AR 888	Patented copolymer	41%	3	Calcium carbonate scale control in high LSI water with extremely low toxicity (low free monomer) polymer
Versaflex® ONE	Patented copolymer	40%	4.5	Multiple scale control in high LSI water
Sulfonated copolymers				
Versa-TL® 4	Sulfonated maleic copolymer	25%	7	Calcium phosphate scale and iron deposit control in high pressure boilers
Aquatreat® AR 540	Unique sulfonated copolymer	44%	4.3	Calcium phosphate scale and iron deposit control, zinc stabilization, and system cleaning in intermediate pressure boilers
Versaflex® 310	AA / AMPS® copolymer	48%	3	Low free monomer calcium phosphate scale inhibitor, also meets 21 CFR 173.310 and 21 CFR 176.170
Versaflex® 310-37	AA / AMPS® copolymer	37%	5	
Aquatreat® AR 545	AA / AMPS® copolymer	44%	4.4	Calcium phosphate scale and iron deposit control, zinc stabilization polymer in low pressure boilers
Hybrid polymers				
Aquatreat® HP 365	Polysaccharide with maleic acid and acrylic acid	45%	5.5	Biodegradable general scale inhibitor, dispersant, and crystal modifier
Specialty homopolymers				
Aquatreat® AR 232	Sodium polymethacrylate	30%	8.5	Boiler water dispersant, also meets 21 CFR 173.310
Aquatreat® AR 241	Sodium polymethacrylate	40%	7	
Aquatreat® AR 921A	Polyacrylic acid	50%	2.6	Calcium sulfate scale inhibitor, also meets 21 CFR 173.310
Aquatreat® AR 963C	Polyacrylic acid	63%	2.6	High solids antiscalant, also meets 21 CFR 173.310
Aquatreat® AR 4	Polyacrylic acid	25%	2.1	Boiler water dispersant, also meets 21 CFR 173.310
Homopolymers				
Aquatreat® AR 602A	4,500 MW Polyacrylic acid	50%	2.9	General purpose antiscalant /dispersant
Aquatreat® AR 602N	4,500 MW Sodium polyacrylate	45%	7.5	General purpose antiscalant /dispersant, also meets 21 CFR 173.310 and 21 CFR 176.170
Aquatreat® AR 900A	2,500 MW Polyacrylic acid	50%	2.9	
Aquatreat® AR 901	2,500 MW Sodium polyacrylate	53%	4.5	
Aquatreat® AR 940	2,500 MW Sodium polyacrylate	40%	8.3	
Maleic copolymers				
Aquatreat® AR 980	Maleic copolymer	41%	6.4	Calcium carbonate scale control for extreme conditions, also meets 21 CFR 176.170
Aquatreat® AR 978	Maleic copolymer	42%	5	Barium sulfate scale inhibitor
Aquatreat® AR 802	Maleic homopolymer	50%	<2.0	Calcium carbonate scale inhibitor

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Dry polymers				
Alcospense® 602N DRY	4,500 MW Sodium polyacrylate	>95%	8	General purpose antiscalant/dispersant, also meets 21 CFR 173.310 and 21 CFR 176.170
Aquatreat® AR-540 DRY	Unique sulfonated copolymer	>95%	8	Calcium phosphate scale and iron deposit control, zinc stabilization, and system cleaning in intermediate pressure boilers
Aquatreat® AR940 DRY	2,500 MW Sodium polyacrylate	>95%	8.3	General purpose antiscalant/dispersant, also meets 21 CFR 173.310 and 21 CFR 176.170
Versa-TL® 3 DRY	Sulfonated maleic copolymer	>90%	7	Calcium phosphate scale and iron deposit control in high pressure boilers
Polyphosphino carboxylic acid				
Aquatreat® AR 707	Sulfonated polyphosphino carboxylic acid	51.5%	2.5	Calcium phosphate and barium sulfate inhibitor
Aquatreat® AR 708	Polyphosphino carboxylic acid	50%	4	Calcium carbonate inhibitor, also meets 21 CFR 173.310
Chelating agents				
Dissolvine® E-39	Ethylenediaminetetraacetic tetrasodium salt	39%	11.5	Most widely used chelating agent for scale dissolution over a wide pH range
Dissolvine® D-50	Diethylenetriaminepentaacetic pentasodium salt	50%	11.5	Strong and low corrosive chelating agent, ideal for heavy and transition metal-based scales
Water clarifiers				
Alcoclear® CCPII	Cationic polymer	6%	4.5	Flocculant for suspended solids and removal of oil from water
Floc Aid® 19	Polymeric demulsifier	28%	4.1	Demulsifier for oil-in-water emulsions
Floc Aid® 34	Polymeric flocculant	28%	4.7	Flocculant for suspended solids, can be used alone or in combination with aluminum or iron salts
Other products				
Alcogum® L-15	Acrylate copolymer emulsion	30%	2.6	Rheology modifier for defoamers
Aquamet® M	Dimethyl dithiocarbamate	40%	12.5	Metal precipitant
Aquamet® T	Trithiocarbonate	25%	13	Metal precipitant
Duomeen® OL	Oleic acid	100%	–	Filming amine for corrosion control
Ethomeen® T-12	Tallow amine ethoxylate	100%	–	Corrosion control

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Values listed in table are typical and do not represent actual product specifications.

Contact us directly for more product information
 website | nouryon.com/markets/water-treatment
 email | watertreatment@nouryon.com

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