

Performance:

RoQuest® 3000 provides an array of performance and application benefits:

- Capable of producing RO quality feedwater in direct filtration applications (i.e. multimedia and sand filters).
- Compatible with thinfilm and cellulose acetate RO membranes.
- Filter-aid properties resist solids breakthrough.
- Low dosage requirements
- Compatible with Avista Technologies antiscalants Vitec 3000, 5000 & 7000.
- Effective over a wide pH range.
- No minimum alkalinity requirements.
- Internal biostat inhibits biological growth in the drum and feed tank.

RoQuest® 3000 contains a blend of organic polymers and is designed to be injected into the feedstream of multimedia and sand filters. This product will enhance the filter performance by further reducing turbidity and color, producing a filtrate that is a more acceptable feedwater quality to downstream reverse osmosis systems.

Best results are achieved with municipally treated feedwaters and raw waters that contain relatively low concentrations of particulates and organic color. Upper raw water limits of turbidity and color for this product are 2.0 NTU and 10 units, respectively.

Use Instructions:

Inject RoQuest 3000 at least 15 feet (5m) upstream of the multimedia filters. This allows proper mixing within the feedstream before introduction into the filter. Do not use static mixers as the shear imparted will degrade the polymers contained in this formulation.

Dosing Guidelines:

Typical RoQuest 3000 dosage is in the range of 0.5 to 4 ppm. For specific dosing calculations, refer to the Avista Dosing Guideline.

Significant overdosing of RoQuest 3000 may cause degradation in the quality of the filtered water. Please contact Avista Technologies for specific dosing instructions.

Dilution:

Prior to injection into the feedstream, the RoQuest 3000 can be diluted at a rate of 25:1 using dechlorinated water. This can improve product effectiveness but is not generally necessary.

Packaging and Storage:

Standard regional pack sizes are listed below. Custom packaging can be provided worldwide to meet customer needs. Information on drumless or bulk tanker delivery is available on request.



DRINKING WATER TREATMENT ADDITIVES CLASSIFIED BY NSF INTERNATIONAL TO NSF/ANSI 60 ON JUNE 2005 AS STANDARD DRINKING WATER TREATMENT CHEMICAL AT A MAXIMUM LEVEL OF 125 mg/l.

Specifications	
Appearance:	Clear amber liquid
pH (1% solution):	4.0 – 6.0
Specific Gravity@20°C:	1.0.5±0.05

Packaging Formats	Americas	EMEA
Pails	45 lbs	23 kg
Drums	475 lbs	220 kg
IBC's (tote bins)	2375 lbs	1100 kg



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