THE FACTS on WATER QUALITY

AS-ROS 2000 GPD
shown with
atmospheric tank

Poor water quality raises your operating cost through accelerated wear on components which results in an increase in maintenance intervals. There are two important factors when monitoring water quality: suspended solids and total dissolved solids.

SUSPENDED SOLIDS

Suspended solids refers to small solid particles which remain suspended in water. Removal of these solids is generally achieved through use of filtration found on most waterjets.

TDS (TOTAL DISSOLVED SOLIDS)

Total dissolved solids (TDS) refers to sub-molecular particles or ions that are in solution in water. TDS can include hard elements like iron, silica and calcium that can precipitate out of the water as scale on the inside of high pressure plumbing. This scale can break off the inner walls and damage downstream valve components and orifices.

WATER	TDS	TREATMENT	ACTION
High Quality	TDS < 50 ppm	No Treatment	No Action
Good Quality	50 ppm < TDS< 150 ppm	Soften Only	Contact Local Specialist
Medium Quality	150 ppm < TDS < 250 ppm	Soften or TDS Removal	Specialist or RO System
Poor Quality	TDS > 250 ppm Silica > 15 ppm	TDS Removal	Soften & RO System

Moderate amounts of TDS are controlled by using water softening. Softeners remove the hard ions that can scale and replaces them with soft ions, usually salt, that stays in solution.

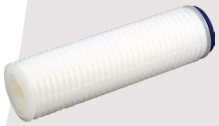
High levels of TDS are addressed first by softening and then with reverse osmosis(RO). RO removes the hard ions and lowers the TDS to acceptable levels.

TDS TESTING

The TDS Testing Pen (13897) is an inexpensive solution to test your water. By testing a sample you will be able to quickly evaluate the results and take the proper steps to treat.

All water should be tested to ensure TDS readings are at a suitable level.

FILTERING PRODUCTS



Water Filters remove suspended solids from your incoming water supply.

In-line Filters eliminate suspended contaminants from high pressure water.

RO Systems are the most efficient and effective means for controlling TDS levels.

AccuStream™ waterjet products

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