

# VISCO VRO – 1

## MEMBRANE CLEANER



### LOW pH MEMBRANE CLEANING COMPOUND

#### DESCRIPTION

VISCO VRO – 1 is low pH membrane-cleaning compound for dissolution of carbonate and phosphate scales. Effectively dissolves and chelates iron, aluminum and other metal oxides. Chelates light deposits of pH independent precipitants such as calcium fluoride, calcium sulfate, barium sulfate and strontium sulfate. Compatible with all Thin Film Composite R.O. membranes from all major membrane suppliers

#### CHEMICAL FEEDING AND CONTROL

Use potable water that is free of residual chlorine or other oxidizing agents to make the cleaning solution. The cleaning solution is prepared by addition of 8-10 lb of VISCO VRO – 1 for every 100 gallons of water (~1 wt% Solution). Check until pH is between 2–3. The cleaning solution is then circulated throughout the system without exceeding pressures, temperatures and flow rates recommended by the membrane manufacturer. Cleaning efficacy can be further improved by circulating the solution for 30 minutes. This should be repeated as many times as necessary. VISCO VRO – 1 should be added as necessary to the cleaning solution to maintain the pH range of 2–3 throughout the entire cleaning process, depending on severity of fouling.

#### HANDLING

Avoid prolong contact with skin.

#### SPEISIFICATION

Formulation	:	Liquid
Color	:	Clear
pH (10%)	:	2 – 3
Solubility	:	Soluble in water

### PROCESS WATER DIVISION

For more information, please contact our representative:

*VISCO making chemistry work for you*

**CAUTION** : Avoid contact with skin or eyes, is not to be taken internally. Avoid prolong or repeated inhaling of vapor.

**KEEP OUT OF THE REACH OF CHILDREN**

This information is believed to be correct based on our testing. No warranty is made nor expressed or implied, regarding its accuracy or the results achieved from the use of this information. No statement is intended or should be construed as a recommendation to infringe any existing patent.

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