



F&B Divos[®] Acid 30

Acid Cleaner For RO/UF Membranes

Description

Divos[®] Acid 30 cleaner is a nitric acid cleaner generally approved for use on reverse osmosis (RO) or ultrafiltration (UF) membranes and other food processing equipment.

Accurate

- Will maintain a pH of 1.8–2.2 throughout the cleaning cycle
- Easily dispensed and controlled providing accuracy, cost control and safety

Effective

- Will not cavitate pumps in clean-in-place (CIP) applications
- Removes mineral films that normally build up during the operation of RO/UF systems
- Approved for specific uses by manufacturers of RO/UF membranes

Discussion

This product is used for the removal of milkstone. Milkstone is a precipitation of calcium caseinate and calcium phosphate containing various milk components. This product decomposes the milkstone and prevents further precipitation. The predominant part of the membranes used consists of polymers which are very resistant to chemicals and higher temperatures. These membranes stand acid/alkaline influences within the pH range of 1–13 and temperatures within 0–80°C. The only way to obtain optimum and controlled cleaning is to use a product such as Divos[®] Acid 30 cleaner, which has been developed specifically for membrane filtration plants and is approved by most manufacturers of RO/UF membranes.



Divos



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Use Instructions

1. Divos[®] Acid 30 cleaner is generally used at 2–6 mL/L during the cleaning cycle.
2. Temperature to be used must not normally exceed 160°F and may be less depending upon the membrane in the system.
3. Time used during the cleaning cycles are generally between 30 minutes to 1 hour depending upon normal operating conditions such as type of product processed and length of processing time.
4. Effective pre- and post-rinsing is a vital part of the cleaning cycle.

For Food Plant Use: All food contact surfaces must be thoroughly rinsed with potable water after treatment with this product. Avoid contamination of food during use or storage.

Technical data

Certification	Acceptable for use in food processing facilities
Form/Color	Clear, colorless liquid
Scent	Acidic
Specific Gravity	1.18
pH (1%)	1.8
% Nitrogen	6.5
% P	0.0
% Total Acidity (HNO ₃)	29

The above data is typical of normal production and should not be taken as a specification.

Safe handling and storage information

Store in original closed containers, away from extreme temperatures. Full guidance on the handling and disposal of this product is provided in a separate Safety Data Sheet.

Product compatibility

Divos[®] Acid 30 is not corrosive to stainless steel or other materials used in RO/UF systems when used as directed.

Test Kit

No test kit needed.

Precautionary Statement

Refer to current Safety Data Sheet.