

Deco Flow

ALKALINE LIQUID DETERGENT FORMULATED SPECIFICALLY FOR CLEANING MEMBRANE-BASED SEPARATION SYSTEMS AND MICROFILTRATION APPARATUS FREE FROM E.D.T.A. AND PHOSPHORUS (P).



Eco-friendliness

Deco Flow does not contain phosphates or phosphonates, and is completely free from PHOSPHOROUS (P). No EDTA / NTA.

The package of sequestering agents is composed of biodegradable non-animal-origin polymers combined with aminocarboxylates, which ensure an excellent ecological and toxicological profile.

Optimized for separation membranes

There are no higher concentrations of organic contamination on separation membranes than on the concentrate side of cross-flow systems. Especially during the final concentration in batch processing, the separated and concentrated organic components form layers of dirt that are particularly stubborn and hard to remove. Incomplete regeneration after incomplete regeneration leads to the progressive loss of permeability in the membrane, with highly negative consequences both on the quality of the separation and the time taken to complete the process.

Deco Flow has been specially developed for these vital operations. In cross flow filtration systems in particular, systematic use of Deco Flow has been shown to make a measurable contribution to stabilization and to the upkeep of the system's overall performances over time.

Compatibility

In normal circumstances, Deco Flow displays excellent compatibility with metals - above all with steel - and with a very wide range of filter membranes made from polymers and other materials. For more specific information about compatibility please contact the Perdomini-IOC Customer Support Service or the manufacturer of the membranes if they are not Perdomini-IOC.

How to Use

Deco Flow is particularly stable and can be used at concentrations ranging from 1% to 3% and with temperatures up to and above 80°C, depending on the difficulty of the cleaning operation required.

For separation systems, it is often the characteristics of the membranes that set the operational limits for regeneration, therefore the concentration, pH and temperature at which Deco Flow is used have to respect the parameters set by the membrane producer.

For every specific separation system using Pall membranes, please asked for detailed procedures from the Customer Service department; for other separation systems (micro, ultra, nano and RO), the Perdomini-IOC Customer Service department can provide personalized procedures to follow.

Characteristics

Appearance: clear liquid.

Colour: dark yellow.

pH (1% solution, 25°C water 0°F): 13-14

Relative density: 1.33-1.37 kg/l

Water solubility: completely soluble.

Rinsability: excellent.

Storage

Store in a cool and well ventilated place. Avoid sub-zero temperatures. Keep at a temperature between +5°C and +30°C. Do not put the product back in the storage container once removed.

Avoid contact with foreign matter, especially other acids.

Close the package carefully after use.

Hazard labelling

This product is classified as highly corrosive (hazard symbol C) as it contains potassium hydroxide and sodium hydroxide. Before handling the product please consult the relevant safety information.

Pack sizes

code 252480 - 25 kg canisters

code 252481 - 1300 kg barrels