



**FLOMC20-5 / FLOMC20-16**  
**Flocon® Acidic Membrane Cleaner**  
**Instructions for Use**



### Indications for Use

Flocon® MC20 is an acidic membrane cleaner intended for use in reverse osmosis (RO) systems as the low-pH cleaning step of a membrane cleaning program for removal of metal oxides and inorganic scales, including oxides of iron and manganese and calcium carbonate scale.

Flocon® MC20 is intended for use as a membrane cleaner, in accordance with RPC's designated membrane cleaning applications and maintenance programs for compatible RO systems, and consistent with the recommended uses and restrictions described in the applicable Safety Data Sheet (SDS).

### Cleaning Frequency

Following high-pH cleaning with Flocon TFC Alaline Membrane Cleaner (FLOMC10-5 / FLOMC-10-16)

### Preparation of Cleaning Solution

- Prepare CIP solution of Flocon® MC20 at **1–2% wt/vol**. Cleaning solution pH will stabilize around **2.0**.

*NOTE: To avoid chemical wastage, only utilize the level of CIP tank that will suffice for recirculation through membranes.*

### Cleaning Procedure (Acidic Clean)

1. Once solution is prepared, note the pH and begin circulation.
2. Perform the following regime:
  - Circulate – 30 minutes
  - Soak – 30 minutes
  - Recirculate – 30 minutes
  - Soak – 30 minutes
  - Recirculate – 30 minutes
3. Repeat steps above for the remaining duration of the clean. Flocon® MC20 is effective when used as a **1–2% solution** with alternating cycles of circulation and soaking for periods of **2–3 hours recommended or per manufacturers recommendation**.
4. Stop recirculation and permeate flush with good quality permeate water until natural pH levels are restored.

### Warnings and Cautions

#### Danger

May be corrosive to metals.

Harmful if swallowed.

Causes skin irritation.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

Do not breathe dust.

Wear protective gloves, protective clothing, eye protection, and face protection.

Avoid release to the environment.

#### First Aid Measures

**Inhalation:** Move affected person to fresh air and keep warm and at rest. Seek medical attention if discomfort continues.



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**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Seek medical attention.

**Skin Contact:** Immediately remove contaminated clothing. Rinse with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

**Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present. Seek medical attention promptly.

**Storage and Handling**

- Store in tightly closed original container in a dry, cool, well-ventilated area.
- Storage temperature **must not exceed 50°C (122°F)**.
- Protect from freezing and direct sunlight.
- Store away from alkalis, oxidizing materials, and metals.
- Do not use carbon steel containers.

**Disposal Considerations**

Dispose of unused product and spent cleaning solution through a licensed waste disposal contractor in accordance with local regulations.

**Transport Information**

UN 2967 – Sulfamic Acid, Hazard Class: 8, Packing Group: III

**Typical Properties**

The following properties are typical and should not be considered product specification:

Property	Appearance	Odor	pH (1% solution)	Bulk Density
Typical Value	Powder	Characteristic	1 – 2.5	2.0-2.15 kg/L