

## PURON<sup>®</sup> MP Cartridges Storage Instructions

### STORAGE INSTRUCTIONS

#### A. SHELF LIFE

The PURON MP cartridges leave the factory stored in a glycerin and water solution. From the date of shipment from the manufacturing facility, the cartridge shelf life in the original packaging is one year. This assumes that the sealed bags have not been opened or damaged, and the conditions shown in Sections B&C are met.

#### B. HANDLING

1. The boxes should not be dropped or crushed.
2. The cartridges should be stored horizontally.

#### C. CARTRIDGE STORAGE CONDITIONS

1. Keep the cartridges in their original packaging and store in a horizontal position.
2. Store indoors out of direct sunlight.
3. Do not allow the cartridges to dry out or freeze, and they should be kept at less than 40°C (104°F).
4. The preferred long-term storage temperature range is 10°C to 30°C (50 to 85°F), at relative humidity below 70%.

#### D. USED CARTRIDGE STORAGE SOLUTION

1. **Short and midterm shut-down (up to 30 days):** Cartridges should be thoroughly cleaned once a week and left in water at 5-25°C (41 to 77°F).
2. **Long-term shut-down (30 days or longer):** Cartridges should be cleaned, rinsed and impregnated with 80-100% glycerin before storage.

Once impregnated, the cartridges should be removed from the system and sealed in plastic bags. Storage conditions described in Section C above for new cartridges should also be used for storage of used cartridges.

#### E. POST-STORAGE CLEANING PROCEDURE

All cartridges should be drained, rinsed and cleaned according to KSS' recommended pre-startup procedures prior to restarting the system on production.

#### F. WATER QUALITY GUIDELINES

For water quality guidelines for storage solutions please refer to KSS Water Quality Guidelines for cleaning, diafiltration & storage.

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