



October 7, 2015

HELLENBRAND INCORPORATED  
JILL MCDONALD  
404 MORAVIAN VALLEY ROAD  
WAUNAKEE WI 53597

Re: Description: WATER TREATMENT DEVICE - OXIDIZING  
Manufacturer: HELLENBRAND INCORPORATED  
Product Name: PM6 IC STORM (trans. id 2545614)  
Model Number(s): PM6 IC STORM-10, PM6 IC STORM-12 AND PM6 IC STORM-13  
Product File No: 20150122

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of October 2020.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 267-9787.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

**AESTHETIC CONTAMINANT REDUCTION CAPABILITIES  
 PRODUCT FILE NUMBER 20150122  
 TABLE 1 OF 1**

**Flow Rates:** PM6 IC STORM-10 = 12.0 gallons per minute (gpm) @ 6.9 pounds per square inch-gauge (psig)  
 PM6 IC STORM-12 = 12.1 gpm @ 5.0 psig  
 PM6 IC STORM-13 = 12.0 gpm @ 5.1 psig

**Capacities:** 500 gallons (gals.)

Tested Contaminant	Influent Challenge Concentration (mg/l) <sup>1</sup>
Hydrogen sulfide (H <sub>2</sub> S)	10.0 ± 2.0
Dissolved iron (Fe <sup>+2</sup> )	10.0 ± 1.0
Manganese (Mn <sup>+2</sup> ) <sup>2</sup>	2.0 ± 0.2
pH (low)	6.1 ± 0.1 pH units

**Other Conditions:** These devices will control iron and sulfur bacteria, but only within the devices proper. The contaminant reduction capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with WQA Standard S-200-93. To qualify for hydrogen sulfide reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.2 mg/l. To qualify dissolved iron reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.3 mg/l. To qualify for manganese reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.05 mg/l. To qualify for pH adjustment, the device must increase the pH of the influent challenge concentrations such that all effluent pH values are ≥ 6.8 pH units.

**1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)**

**2 = manganese is regarded as a health effecting contaminant under NR 140.10, Table 1. The Preventative Action Limit (PAL) is 0.06 mg/l and the Enforcement Standard (ES) is 0.30 mg/l.**

\* = unless otherwise indicated  
 ≥ = greater than or equal to

≤ = less than or equal to  
 ± = plus or minus

**Recommendations:**

The department offers the following *suggestions*:

1. When installed in an area subject to elevated dew points, the ozone component of these systems should be fitted with a dryer.
2. These devices shouldn't be installed on galvanized piping systems; ozone is incompatible with zinc.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter  
 Environmental Engineer - Plumbing Product Reviewer  
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 Division of Industry Services  
 Bureau of Technical Services  
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