



**Jim Doyle, Governor**  
**Mary P. Burke, Secretary**

February 8, 2006

AMTROL, INC.  
JOSEPH LANE  
1400 DIVISION RD.  
W. WARWICK RI 02893

Re: Description: WATER TREATMENT DEVICE-OXIDIZING  
Manufacturer: AMTROL, INC.  
Product Name: PROVECTR  
Model Number(s): AF-9P, AF-9PSS, AF-10P, AF-10PSS, AF-12P, AF-12PSS, AF-13P, AND  
AF-13PSS  
Product File No: 20040625

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, 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 February 2011.

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 manufacturers 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) 266-3415.
- 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.
- These devices are not approved for the reduction of bacterial, colloidal or organically bound forms of iron.

The water must be tested to speciate the iron present to determine if these devices can provide adequate treatment.

- Operation of this/these device(s) and flow rates above the rated service flow rates indicated within this approval letter are not supported or acknowledged by this approval. The rated service flow rate(s) is/are the flow rate(s) at which this/these device(s) were tested.

Because the level of treatment obtained is a function of how long the water is in contact with the treatment media within this/these device(s), arbitrary increases in the flow rate(s), above the rated service flow rate(s) may compromise the quality of the treated water.

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 20040625  
TABLE 1 OF 1**

**Flow Rates and Corresponding Pressure Losses:**

AF-9P and AF-9PSS = 15.1 liters per minute (lpm) @ 103.4 kilopascals (kPa)  
[4.0 gallons per minute (gpm) @ 15 pounds per square inch gauge (psig)]  
AF-10P and AF-10PSS = 18.9 lpm @ 158.6 kPa (5.0 gpm @ 23 psig)  
AF-12P and AF-12PSS = 22.7 lpm @ 206.8 kPa (6.0 gpm @ 30 psig)  
AF-13P and AF-13PSS = 26.5 lpm @ 413.7 kPa (7.0 gpm @ 60 psig)

**Capacities:** For all models, the capacity is a function of pressure loss. The multi-media filter must be backwashed when the pressure loss across the filter increases by 103.4 kPa (15 psig) over the pressure loss of a clean, backwashed, settled and rinsed filter.

Tested Contaminant	Average Influent Challenge (mg/l) <sup>1</sup>
Dissolved iron (Fe <sup>+2</sup> )	4.6

**Other Conditions:** the contaminant reduction performance capabilities displayed for Table 1 of 1 were verified by testing conducted in accordance with NSF Standard 42. To qualify for dissolved iron reduction, the device must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 0.3 mg/l. Note, the maximum influent dissolved iron concentration for these devices is 5.0 mg/l.

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

± = plus or minus

≤ = less than or equal to

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

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  
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Safety and Buildings Division  
Department of Commerce  
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