SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
P.O. Box 2658
Madison, Wisconsin 53701-2658
TTY: Contact Through Relay

Scott Walker, Governor
Dave Ross, Secretary

September 9, 2011

HYDRO-ACTION
SALES MANAGER
2055 PIDCO DR
PO BOX 640
PLYMOUTH IN 46563

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED (also see SEWAGE TREATMENT APPARATUS)
Manufacturer: HYDRO-ACTION
Product Name: AP SERIES
Model Number(s): AP-1500
(4 FT. MAX. DEPTH OF BURY; MAX. DFW 1500 GPD; MAX. CBOD5 = 3.75 LBS./DAY; MIN. 300 GAL. UPSTREAM SEPTIC TANK; NSF-40 CLASS I RESIDENTIAL WW FOR NEW SYSTEM DESIGNS; 115 V HYDRO-ACTION ROTARY VANE AIR PUMP 4.1 SCFM)
Product File No: 20110270

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 September 2016.**

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

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- Individual system plan approval must be obtained from this department's Section of Private Sewage or the appropriate agent county for each installation of this product prior to its installation.
- This product must be installed in accordance with the manufacturer's printed instructions, the plan approval and s. Comm 83.15 (4), Wis. Admin. Code. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval and code requirements will take precedence.
- This product may only be installed by a master plumber or journeyman plumber or plumbing apprentice working under the supervision of a master plumber.
- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- When this product receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L.

- Before this product is installed a warning label meeting the requirement of Comm s. 84.25(8)(b), Wis. Admin. Code must be securely attached to the manhole cover.

- This product must be installed downstream of treatment tank(s) recognized by this department to treat G.P.D. flow that will discharge to this product.

- **The manhole cover shall be provided with a locking device that conforms to s. Comm 84.25 (7)(h) of the Wisconsin Administrative Code.**

- **TABLE 2.**
  Hydro-Action Series ATU's
  Calculated Volumes & Capacities

	Clarification Chamber (inside cone) (gallons)	Aeration Chamber (outside cone) (gallons)	Rated Capacity (total) (gallons/day)
AP500	**173**	**663**	**836**
AP600	**219**	**800**	**1019**
AP750	**275**	**1000**	**1275**
AP1000	**352**	**1280**	**1632**
AP1500	**518**	**1895**	**2413**

- **Bedding: Tanks must be placed on suitable soils capable of bearing the weight of tank and contents when full. Soft soils or bedrock must have 6 inches of tamped material, sand or pea gravel.**

- **Backfill: Fill must be free flowing soil or gravel of no larger than ¾ inch. Fill tanks with water while backfilling. Compact soil in 2-foot increments until backfill is at grade.**

This approval supersedes the approval issued on 4/21/2005 under product file number 20050170.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20050170.

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,

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