

AQUA-AIR Wet/Dry Total Cleaning System Water usage in Animal Facilities

The AQUA-AIR is very water friendly and probably uses less water than any of the other effective systems out there. This also makes it very friendly for the sanitary system.

An open hose uses about 5 gallons per minute and pressure washers can use anywhere from 2 – 6 gallons per minute or more. The wand on the AQUA-AIR uses 0.5 gallons per minute if it is held open all the time. The power unit itself also uses a small amount of water for filtration. In residential installations we generally recommend setting the filtration water at just over 0.5 gallons per minute. In a commercial application, however, where the system is used seldom if at all for dry vacuuming that can be cut down considerably as well.

So, the reality of the system is that you probably can set the filtration water somewhere between 0 and 0.25 gallons per minute. Generally the water at the wand is used about ½ the time so you are probably going to use about 0.25 gallons per minute there as well, bringing the total water usage to about 0.5 gallons per minute.

The AQUA-AIR is also a quick method of cleaning. The design of the tools allows for cleaning the floor quickly, and the system pulls the water right back up so you do not have to move the water around. This aides in using less water as well, since you are cleaning for less time each day.

One other positive to the AQUA-AIR as opposed to other methods of cleaning is that all of the water is sent through a debris screen prior to going down the drain. The debris screen has holes that are a maximum of ¼". This effectively removes all of the large debris and keeps it from going down the drain. The debris screen also catches the hair and keeps it from going down the drain. As the debris screen fills up it will fill around the outside first, making it even more effective at keeping the hair and the large objects from going down the drain into the sanitary system.

One last important note: The AQUA-AIR removes everything it picks up from the facility. This improves air and health quality in the

building. The water is picked right back up leaving the floor nearly dry. The water and air are separated in a cyclonic process and the dirty water is sent down the drain while the air and any odors are exhausted to the outside. This keeps the facility dryer, cleaner, and more odor free, making it healthier for the animals, employees and customers.