

Armstrong offers (3) Three Unique Steam Humidification Solutions when Boiler Steam is not available or Chemical Free Steam is desired.

HumidiClean encompasses (3) three forms of steam generating humidifiers: electric, gas, and steam-to-steam.

HumidiClean Humidification from Armstrong begins with the Ionic Bed, a fibrous medium located in the HumidiClean steam generation tank. Simple in appearance, the Ionic Bed offers a practical solution to the traditional goal of minimizing mineral build-up in tanks of self-contained, steam generating humidifiers.

Contractors, engineers, and owners no longer need to focus on adjusting water quality to an acceptable range of conductivity or hardness in order to secure satisfactory humidifier performance.

HumidiClean (electric, gas, or steam-to-steam) humidifiers utilizing Ionic Bed Technology are naturally adaptable to a broad range of water quality. Have hard water? Have softened water? Have reverse osmosis (RO) or deionized (DI) water? It doesn't matter, the versatile HumidiClean line of humidifiers operates perfectly with any type of water.

For additional information on ionic bed technology and the models in which they are supported please refer to pages 106 and 118.

How Armstrong Reduces Humidifier Maintenance Using Ionic Bed Technology

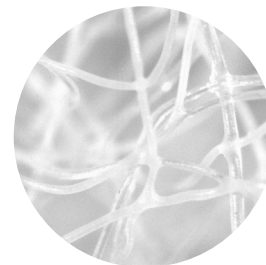
Ionic Beds Stop Solids

Ionic beds consist of a fibrous medium that attracts solids from the water as its temperature rises, minimizing the buildup of solids on the heat exchanger and inner tank walls. Once the ionic beds have absorbed their capacity of solids, an indicator on the humidifier's control panel signals it's time to replace the ionic beds. Changing the beds takes only about 15 minutes. Use of the ionic beds:

- Reduces cleaning of the tank exchanger or heating elements
- Keeps the drain screen cleaner longer – allowing effective tank blowdown
- Helps maintain humidifier output without building excessive heat exchanger surface temperatures
- Requires less frequent blowdown, conserving water and energy
- Eliminates the need for wasteful surface skimmers that must be checked weekly for possible plugging
- Reduces downtime
- Has years of field-proven success in thousands of humidifier applications

Better Here than in your Humidifiers

These photos show how the ionic bed fibers (magnified 52.5x) collect solids throughout their service life. A new ionic bed weighs between 1/3 and 1/2 pound, depending on the humidifier type. When it reaches its capacity, an ionic bed may weigh more than 2-1/2 pounds.



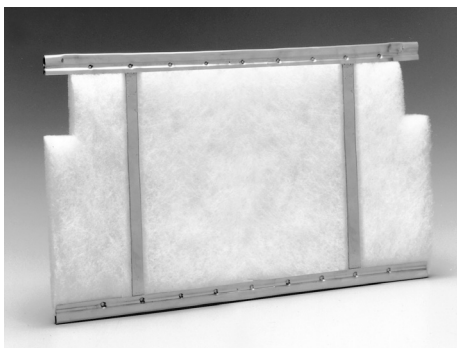
New ionic bed



After 400 hours



After 800 hours



Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.