

# Applications guides | Humidifier for the acoustic components



A signal sound is emitted when user presses the button.

A humidifier is a household appliance that increases humidity (moisture) in a single room or in the entire house. There are point-of-use humidifiers, which are commonly used to humidify a single room, and whole-house or furnace humidifiers, which connect to a home's HVAC system to provide humidity to the entire house.

The wick is a filter that absorbs water from the reservoir and provides a larger surface area for it to evaporate from. The fan is adjacent to the wick and blows air onto the wick to aid in the evaporation of the water. Evaporation from the wick is dependent on relative humidity. A room with low humidity will have a higher evaporation rate compared to a room with high humidity. Therefore, this type of humidifier is self-regulating: As the humidity of the room increases, the water vapor output naturally decreases. These wicks become moldy if they are not dried out completely between fillings, and become filled with mineral deposits over time. They regularly need rinsing or replacement—if this does not happen, air cannot pass through them, and the humidifier stops humidifying the area it is in and the water in the tank remains at the same level.



Suggested Item	AS15010002M	AS20010002M	AS25020001M	AS50035043K
Size (mm)	Ø 15 x 1	Ø 20 x 1	Ø 25 x 2.1	Ø 50 x 3.5
Frequency(Hz)	2 M	2 M	1 M	43 K
Capacitance(pF)	3000	5000	2500	6500