

Ancillary Devices

Humidity Controller (RHC-C11) [Compact type] w/ Humidity Sensor



Sensor

- Digital display of present humidity and target humidity
- Compact size to fit any place
- Measurement accuracy: $\pm 3\%$
- Supply voltage: 100-240 VAC
- Range of operation 0-85% RH (0-50°C)

Humidity Controller (RHC-D**B)

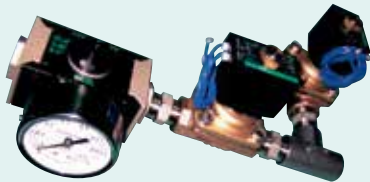
(Controller model numbers are entered in **.)



*Humidity sensor is sold separately. (This photo is RHC-D22B)

- Digital display of present humidity and target humidity
- Measurement accuracy: $\pm 3\%$
- Supply voltage: 100-110 VAC or 200-220 VAC
- Using a single controller, up to four zones spread over a wide area can be controlled individually.

Solenoid Valve Unit



A solenoid valve and reducing valve are bundled together as a unit for pressure relief. When the humidifier stops spraying, the remaining air pressure in the piping is instantly relieved, so that only fine fog is sprayed.

Air Filter

- For removal of dust and moisture contents over $0.3 \mu\text{m}$ from the compressed air with micro-fiber.
- Available in a variety of sizes
- Air ancillary device set includes an air filter and oil filter with a manual discharging drain and nipple.



Water Filter

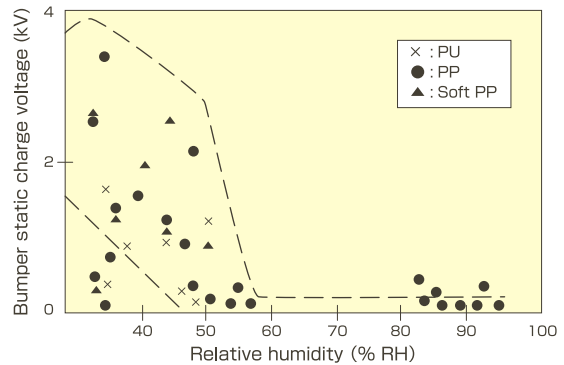
- For removal of foreign particles over $5 \mu\text{m}$.
- Available in a variety of sizes
- Water ancillary device set includes a water filter, a pressure regulator and nipple.



Benefits of Humidification

1. Static Charge Prevention

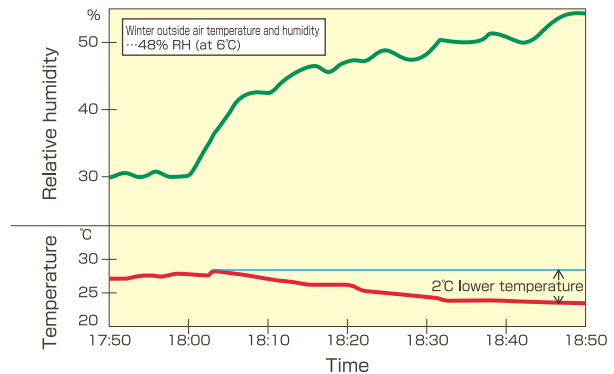
● Relation between humidity and static charge



Helps to **eliminate static electricity problems**, improve product quality and reduce the number of defects.

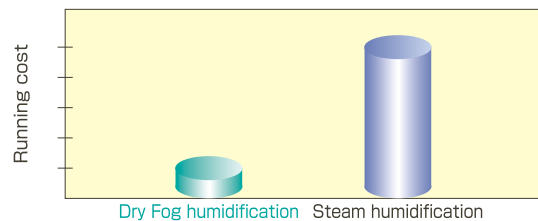
2. Energy-Saving Effect

● Humidification and cooling effects



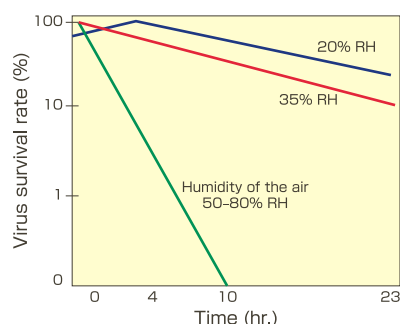
AKIMist® reduces the air temperature while humidifying. There is approximately a 2°C reduction in temperature.

● Comparison of the running cost of humidification methods



Energy cost for Dry Fog humidification is **only one-fifth** of that for steam humidification.

3. Maintaining Operators' Health



Humidity over 50% RH cuts the lifespan of cold and flu viruses, helping reduce worker sick days.