

Infection Control

HVAC and plumbing products helping to reduce the spread

Since the COVID-19 pandemic has gripped the world, we have learned how to mitigate the spread of the virus through various strategies, including those that involve HVAC and plumbing products. The following products are the latest available that promote proper infection control strategies.

1. APRILAIRE MODEL 700 POWER HUMIDIFIER OFFERS EFFECTIVE VIRUS PROTECTION THROUGH HUMIDITY CONTROL

Proper humidity in the home greatly reduces the transmission of viruses. The American Society of Heating, Refrigerating and Air-Conditioning Engineers promotes keeping humidity between 30-60% to minimize virus survival rates.

The Aprilaire 700 Power Humidifier helps make homes healthy by adding humidity to dry air and keeping humidity within its optimal range. The model 700 is the highest-capacity model in Aprilaire's line of evaporative humidifiers and is ideal for low- or variable-speed air handlers. Additionally, the humidifier features a built-in fan and includes an automatic digital control. [CHECK OR CIRCLE #100](#)

2. CALEFFI DELIVERS SAFE & SANITARY HOT WATER WITH 3 MAIN COMPONENTS

Caleffi's innovative total thermal solution for control of safe and sanitary domestic hot water combines three main components: LegioMix digital mixing valve, ThermoSetter thermal recirculation balancing valves and SinkMixer 4-port anti-scald valves.

Delivering highly accurate mixed water temperature 24/7, LegioMix is the only digital mixing valve in North America that can execute thermal disinfection automatically by a calendar schedule or manually by the touch of a button. ThermoSetter thermal recirculation balancing valves feature a bypass option for disinfection. In addition, SinkMixer 4-port showcases anti-scald valves for reliable point-of-use safety. [CHECK OR CIRCLE #101](#)



3. GUIDED FAUCET PROMOTES IMPROVED HYGIENE, WATER CONSERVATION

Sloan has introduced its Basys Guided Handwashing Faucet, designed and engineered to make proper hand-washing a seamless and intuitive process. Equipped with an LCD display guide, the sensor-activated faucet provides self-guided instruction for users to follow a five-step hand-washing process in compliance with the Centers for Disease Control and Prevention.

The faucets embed sensor technology right where the water exits to initiate the flow of water on-demand, creating water-saving benefits and optimal hygiene for users. With multiple heights to fit any application, Basys offers a modular platform of body types, features and components to meet the needs of any hand-washing environment. [CHECK OR CIRCLE #102](#)

4. APJET DEVELOPS PROTOTYPES FOR PLASMA DISINFECTION TECHNOLOGY

APJeT has developed four hardware prototypes for the application of its plasma disinfection technology: A wand for treating surfaces, a kill box (the COVIDINATOR) for article disinfection, an air disinfection device for integration into existing and new HVAC systems and a standalone air purifier.

APJeT's plasma disinfection devices use a patent-pending cold plasma technology that breaks down the oxygen and nitrogen molecules in the air into individual atoms. When these atoms recombine with moisture in the air, they create a reactive species, which is effective in killing viruses, bacteria and fungi. The air disinfection system and design can be easily incorporated into existing and new HVAC systems in community spaces, large and small, effectively disinfecting the air as it flows through those systems. [CHECK OR CIRCLE #103](#)

5. DLX-N HIGH OUTPUT, DUAL UV-C FIXTURE DISINFECTS MOVING AIRSTREAMS

The DLX-N high output, dual-lamp ultraviolet NEMA-4 fixture from UV Resources efficiently disinfects HVAC/R airstreams, cooling coils and drain pans, halting infectious diseases such as the SARS-CoV-2 virus. UV lamps are inserted inside the duct "spear style" through two 3/4-inch holes, while the fixture is installed and serviced from an exterior supply, return or exhaust plenums or ducts. The new UV-C fixture offers facility managers and HVAC contractors a versatile means of inactivating airborne pathogens on almost any inside or outside duct. [CHECK OR CIRCLE #104](#)