



**APPLIED SYSTEMS**

# *General Products Listing*

At PURE Humidifier, we offer a complete line of direct Steam Injection, Steam Heat Exchanger, Electric Self-Contained and Gas Fired Humidifiers for industrial and commercial applications. As we move into our third decade, we continue to take pride in our quality products. PURE Humidifier Co.'s reputation for the finest quality and customer service in the industry, combined with the dependable performance of our equipment, guarantees customer satisfaction.

## **"SX" Steam Heat Exchanger**

For an alternative to electrically generated humidification or chemically treated boiler steam, PURE Humidifier Co.'s "SX" (standard water) and "SXDDR" (deionized, demineralized or reverse osmosis water) steam heat exchanger humidifiers are exactly what you are looking for. They utilize a stainless steel heat exchanger which allows boiler steam to be used as the heat source for producing steam from tap water. By isolating the boiler steam from the clean tap water, contamination by the boiler is completely eliminated. The steam is then free from chemical or mineral carry-over, thus providing humidification for today's stringent indoor air quality requirements.



## **"ES" Electric Humidifier**



The "ES" electric humidifiers are the standard from PURE Humidifier Co. All you need is tap water, electricity and a sanitary drain—the humidifier does the rest. The "ES" uses standard water. These units feature a Tri-Probe electronic water level control system, a control panel with microprocessor controller, high efficiency immersion water heaters, a flusher to remove build-up, and a standard accumulative timed drain cycle. This unit may be free-standing or mounted on the wall.

The "ESDDR" electric humidifier is practically maintenance free. All you need is deionized, demineralized or reverse osmosis water, electricity and a sanitary drain. It features special stainless steel construction combined with special assembly techniques which assure corrosion resistant joints. Also featured are the special float valve to control water level, a control panel with microprocessor, high efficiency immersion water heaters, and a water overflow safety pipe. This unit may be free-standing or mounted on the wall.

*PURE Choice for Humidification*

**“EC” Electric Resistive Cabinet Style Humidifier**

The newest of our electric humidifiers, the “EC” series electric cabinet style humidifier can be used with standard ventilation air systems or direct room humidification with the optional blower pack. Designed to be compact for easy installation and maintenance. It features On-Off, Time Cycle Modulation or SCR control. Capacities reach up to 102 lbs/hr. Status and diagnostics are made visible by LED indicator lights. Also featured are a Tri-Probe water level control system, self-contained control panel, high efficiency immersion water heaters, and an accumulative timed drain cycle. Loaded with features and options, the “ECDDR” electric humidifier only requires deionized, demineralized or reverse osmosis water, electricity and a sanitary drain. This unit is mounted on the wall. It features a special float valve to control water level, a self-contained control panel with LED indicators and high efficiency immersion water heaters.



**“Insty-Pac” Patented Rapid Dissipation  
Type Tube Assembly  
Patent No. 6,065,740**



The “Insty-Pac” is a rapid steam dissipation tube assembly. It provides nearly instant dissipation of steam into the airstream, and can be mounted within inches upstream of fans, dampers, coils, etc. It is a factory assembled multiple tube humidifier designed for quick and easy installation—no framework or assembly is required. The unique design of the Insty-Pac allows the supply/condensate header to be installed either inside or outside the ductwork. Steam jacketed tubes reduce condensate loss but do not remain hot when there is no demand for humidity, thus eliminating any sensible heat gain in duct air. The Insty-Pac can be used with direct boiler steam or with any of PURE Humidifier Co.’s evaporative humidifiers.



**“SI” Direct Boiler Steam Injection Type Humidifier  
Patent No. 4,509,965**



PURE Humidifier Co.'s “Steam Injection” humidifiers are “job-engineered” to assure highly efficient steam release into the air stream. They are designed with steam jacketed injection tubes and a patented centrifugal steam separator. In combination with each other, these components ensure the delivery of condensate-free, PURE steam into the air stream. With a variety of piping options available, the “Steam Injection” humidifier has the versatility to be designed into any system simply, efficiently and reliably.

**“INTAC®” Microprocessor Control System**

The “INTAC®” Microprocessor is an extremely user friendly controller with four menus that let you adjust set point, communications and control parameters. In addition, a display loop shows you the operational status as well as additional information screens. The “INTAC®” accepts all standard control signals for communications interface with the building automation system and is capable of *flash memory* to keep pace with changes in those systems as they occur.



**“GX” Gas Fired Humidifier  
Patent No. 6,705,535**

The “GX” and “GXDDR” Gas Fired Humidifier Series is a forced combustion type that can be used with natural gas or liquid propane. It is constructed from all stainless steel, and is covered by a two-year warranty. The burner can be easily removed to access the side entry exchanger for cleaning. It is designed to work with low-pressure gas between 5” W.C. and 11” W.C. The pre-piped and pre-wired gas train, combined with the INTAC® microprocessor allows for quick and simple operation. The “GX” series humidifier offers capacities up to 900 lbs/hr with excellent modulation.



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*PURE Quality*