

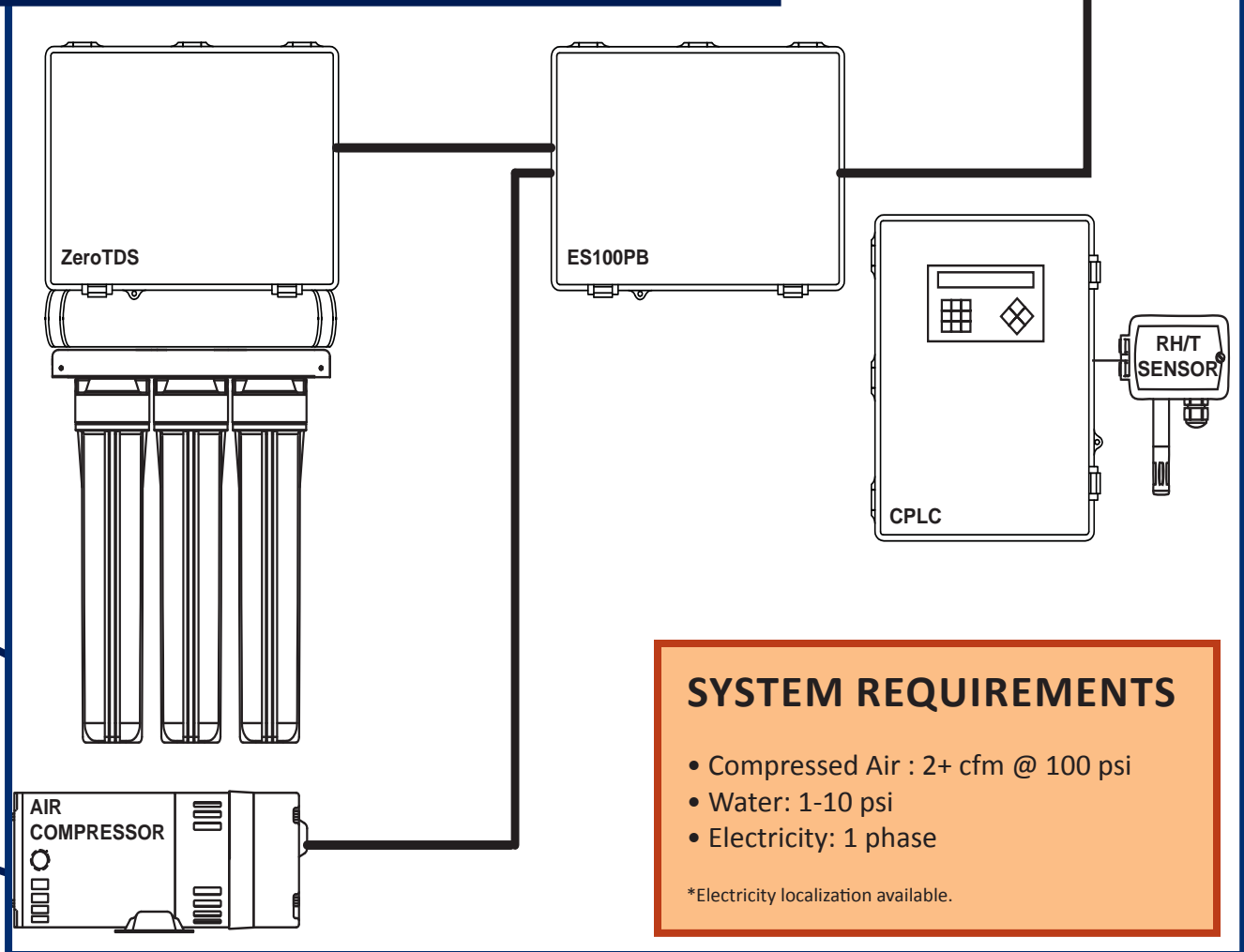
TYPICAL SMART FOG® ES100 SYSTEM SETUP

The ES100 Humidification Solution includes the following components:

- ES100 Humidifier
- CPLC Intelligent Controller
- ES100PB Control Center
- S-Series Relative Humidity & Temp Sensor

Optional:

- Chemical Injection System
- ZeroTDS® Water Filtration System



SYSTEM REQUIREMENTS

- Compressed Air : 2+ cfm @ 100 psi
- Water: 1-10 psi
- Electricity: 1 phase

*Electricity localization available.

HOW DOES IT WORK? SYSTEM COMPONENTS

PRODUCT DETAILS & SPECIFICATIONS

ES100 SERIES

Our most popular model, the ES100 is an easy to use “plug and play” non-wetting humidifier. It is designed to meet the humidity requirements of a majority of commercial, industrial and agricultural applications.



STANDARD MODEL TYPES & SPECS

ES100-1

CAPACITY: 0 TO 1.5GPH
MINIMUM TEMPERATURE: 50°F
COMPRESSED AIR REQUIREMENT: 2CFM @110 PSI
WATER PRESSURE REQUIREMENT: 10 PSI

ES100-2

CAPACITY: 0 TO 3GPH
MINIMUM TEMPERATURE: 50°F
COMPRESSED AIR REQUIREMENT: 4CFM @110 PSI
WATER PRESSURE REQUIREMENT: 10 PSI

FOR COLD TEMPERATURES

ES100-1H

CAPACITY: 0 TO 1.5GPH
MINIMUM TEMPERATURE: 28°F
COMPRESSED AIR REQUIREMENT: 2CFM @110 PSI
WATER PRESSURE REQUIREMENT: 10 PSI

ES100-2H

CAPACITY: 0 TO 3GPH
MINIMUM TEMPERATURE: 28°F
COMPRESSED AIR REQUIREMENT: 4CFM @110 PSI
WATER PRESSURE REQUIREMENT: 10 PSI

MOBILE OPTION AVAILABLE.

MS100

FOR LARGER APPLICATIONS OR HUMIDITY NEEDS. THIS MODEL WAS ENGINEERED FOR COMPLEX, LARGE-SCALE HUMIDITY CONTROL APPLICATIONS, SUCH AS DUST SUPPRESSION AND GREENHOUSE/NURSERY OPERATIONS OVER 10,000 SQ FEET.

SS100

COMPLETE SOFT FOG SOLUTION FOR EXTREMELY WATER SENSITIVE ENVIRONMENT. CAN OPERATE UTILIZING ONLY 20 PSI OF COMPRESSED AIR PRESSURE.

FOG TUNNEL

THE FOG TUNNEL IS A COMPLETE FOOD SAFETY SOLUTION. IMPLEMENTED ON ANY EXISTING CONVEYOR SYSTEM OR CUSTOM MANUFACTURED FOR NEW INSTALLATIONS. THE CONTAINED STRUCTURE HELPS LIMIT WORKER EXPOSURE OF THE DISINFECTANT.

SYSTEM COMPONENTS

ALL OF OUR SYSTEMS COME WITH AN INTELLIGENT CPLC CONTROLLER, PB CONTROL BOX AND A HUMIDITY SENSOR.

ES100PB CONTROL BOX

SMART FOG® ES100PB CONTROL UNIT IS A RELIABLE CONTROL CENTER FOR THE ES100 SYSTEM. EASY PLUG & PLAY INSTALL AND MAINTENANCE FREE DESIGN PROVIDES A DURABLE INDUSTRIAL SOLUTION FOR HUMIDITY CONTROL APPLICATION.

CPLC CONTROLLER

SMART FOG® CPLC CONTROLLER UNIT IS AN INDUSTRIAL RELATIVE HUMIDITY AND TEMPERATURE CONTROLLER. THIS UNIT PROVIDES ACCURATE, USER FRIENDLY CONTROL INTERFACE. PROPRIETARY INTELLIGENT ALGORITHMS PROVIDE UNSURPASSED ACCURACY AND SET AND FORGET FUNCTIONALITY.

S SERIES RELATIVE HUMIDITY SENSORS

THE SMART FOG® S SERIES RELATIVE HUMIDITY SENSORS ARE DESIGNED TO WITHSTAND HARSH ENVIRONMENTS, AND PROVIDE ACCURACY OF 1% AND 0.1% (DEPENDING ON THE MODEL). ALL SENSORS ARE EQUIPPED WITH TEMPERATURE COMPENSATION.

OPTIONAL SYSTEM COMPONENTS

CHEMICAL INJECTOR

FULLY AUTOMATED PRECISE INJECTION OF ANY WATER DISSOLVING MATERIAL. NO PRIMING REQUIRED. USER-FRIENDLY INTERFACE ALLOWS DIGITAL INPUT OF THE DESIRED RATIO.

ZeroTDS® WATER FILTER

SMART FOG® ZEROTDS® FILTER SYSTEM IS A FOUR STAGE FILTER WHICH REMOVES ALL MINERALS FROM THE WATER, PROVIDING PURE DI WATER.