

COMFORTSTEAM™ CFS Series

Self-Generating Electronic Steam Humidifier



PRODUCT DATA SHEET



The wall-mounted CFS Series offers a self-contained compact package.

Features:

- **Technology:** A commercial and industrial proven electronically controlled humidifier based on electrode steam generation within a plastic steam cylinder
- **Mounting:** Easy to mount via two lag bolts*
- **Steam Output:** Stainless steel duct distributor tube*
- **Water Inlet:** Located on the bottom of the unit via 1/4" compression fitting
- **Drain Connection:** Located on the bottom of the unit and connects to a 1" drain line*
- **Basic Control:** Connects to external humidistat
- **Airflow Detection:** Connects to an external air-proving switch*†
- **System Fault Monitoring:** Via single LED
- **Water Hardness:** 3 to 36 grains per gallon; water filtration not necessary
- **Water Conductivity:** 125-1250 micro-Siemens per centimeter ($\mu\text{S}/\text{cm}$)
- **Supply Water:** 20 psi minimum and 100 psi maximum
- **Steam Cylinder Life:** Normal residential applications typically require one steam cylinder change per year depending on water quality and run time

* Included with installation kit

† Can be purchased separately

Introduction:

TRION®'s COMFORTSTEAM™ CFS20 & CFS22 Self-Generating Electronic Steam Humidifiers combine the purity of electrode-based steam humidification with the automation of electronic monitoring and control to provide a complete, easy-to-implement solution for your high capacity residential applications. This same design was proven in commercial and industrial applications and now has been cost-reduced, offering the same professional level of performance to residential markets.

The CFS units either ship by themselves or with an installation kit which includes a generator chassis assembly, fan proving switch, stainless steel duct distributor, and steam hose. All that is needed is: a humidistat, AC power, the water supply line, a drain line, and a place in which to connect the steam hose output. With the simplicity of the integrated electronic control, all the user needs to do is turn on the power.

All unit monitoring is accomplished with internal microprocessor and fault conditions that are indicated through a single LED that is either off, on, slow blink, or fast blink to signal different faults.

With the "No-Cleaning-Required" humidification system, all that is required is replacement of the easy access, inexpensive, internal steam cylinder.

The CFS20 at 115VAC can deliver 11.5 gallons per day of steam output. Supporting higher capacity requirements, the CFS22 powered at 230VAC delivers double the output to 23 gallons per day. Both the CFS20 & CFS22 are ETL listed.

Applications:

- Residential
- Humidors
- Resort Homes & Condos
- Light Commercial
- Large Homes
- Small Offices
- Computer & Server Rooms
- Clinics/Medical Offices

Warranty:

- 24 Months from Install; 30 Months from Shipment (Excludes Replaceable Steam Cylinder)

UNITS NOT FOR COMMERCIAL USE

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Specifications and Electrical Connections:

Model	CFS20	CFS22
Maximum Humidification Capacity	4 lbs/hr or 11.5 gpd or 1.8 kg/hr	8 lbs/hr or 23 gpd or 3.6 kg/hr
Supply Voltage	115VAC Single Phase 50/60 Hz	230VAC Single Phase 50/60 Hz
Supply Amperage	11.5 Amps (Recommend connection to a dedicated 15A circuit)	
Power Consumption	1.33kw at 115VAC	2.66kw at 230VAC
Humidistat	External humidistat (not included)	
High Limit Humidistat	Not included, but unit connection is available	
Air Proving Switch	External air proving switch included with installation kit or can be purchased separately	
Weight	29 lbs (13.2 kg) shipped; 27 lbs (12.2 kg) in operation	
Cabinet Dimensions (Approx.)	18" H x 11" W x 9" D (457 H x 279 W x 229 D mm)	

What's Included:

Complete Humidification System

Part No.	Qty.	Description
267460-003	1	CFS20 Unit
267460-004		CFS22 Unit
AH-297	1	Air Proving Switch
267947-002	1	Parts Bag*

Unit Only

Part No.	Qty.	Description
267460-005	1	CFS20 Unit
267460-006		CFS22 Unit

Accessory Kit

Part No.	Qty.	Description
AH-297	1	Air Proving Switch
EST-596	1	Steam Hose, 1" ID
EST-1550	1	Duct Steam Pipe Assembly

* Includes two lag screws (Part No. EST-1138), two ¾" - 1½" clamp hoses (Part No. EST 1563), one 12" clear PVC vinyl tubing with 1" OD (Part No. EST-206), and one stainless steel clamp hose (Part No. EST-207).



Front View



Front View, Face Removed

Indoor Air Quality Since 1947

ISO 9001:2015 Certified

Industry Memberships:



Proudly Designed,
Engineered, and
Manufactured in the USA.*



*Manufactured with domestic and foreign components.

To help serve you better,
please contact us at:

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