

DnB

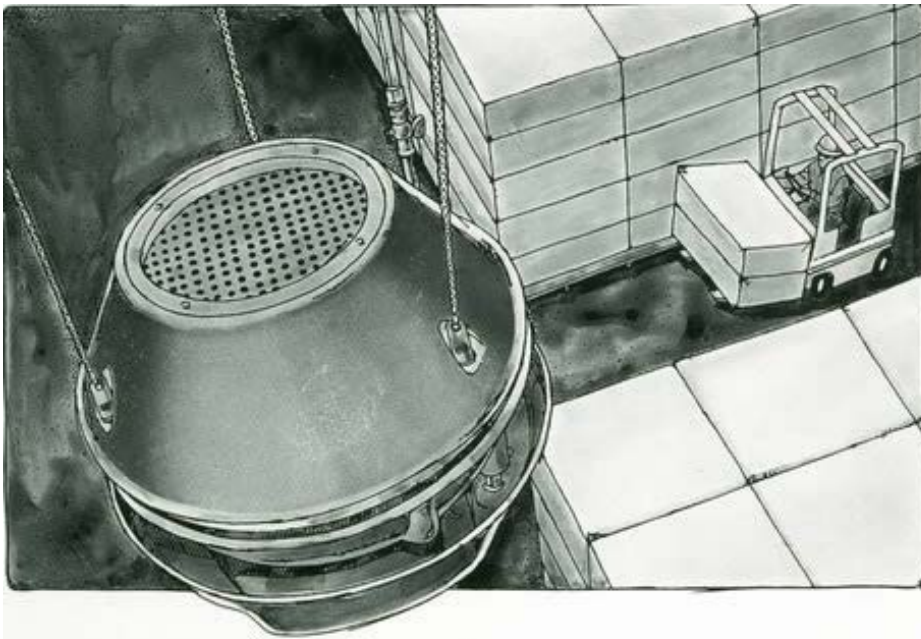
DnB Humidifier Mfg., Inc.
175 Dixie Club Road
Winston-Salem, NC 27107-9806
Phone 336-764-2076
Fax 336-764-4277

**HIGH CAPACITY
FOR SMALL AREAS;
SIMPLE INSTALLATION,
LOW COST**

Type E Self-Contained Humidifiers



CATALOG NO. 16A-1



Why humidify?

Proper humidification of the air is important and necessary for many commercial and industrial areas. Dry air will absorb moisture from the surroundings, damaging materials and hampering manufacturing processes. Static electricity caused by the dry air can interfere with production machinery.

Bahnson Type E Humidifiers are a cost effective

way to add just the right amount of moisture to the air. Moisture-retaining or hygroscopic materials such as paper, textile fibers, wood, certain foods and chemicals and others are kept in optimum condition by

properly controlling the humidity of the air. Static electricity is minimized. The result is less waste and increased productivity. It can even result in energy savings.

Provides high capacity, versatility.

The Bahnson Type E Humidifier has an evaporative capacity up to 3 gallons of water per hour. It is a versatile unit that provides efficient, dependable humidification. It is especially suitable for small areas, obstructed areas or rooms

with low ceiling height. It can also be used successfully for spot

humidification in large spaces or for boosting the capacity of existing systems in industrial or commercial areas.

No special installation required.

The Type E Humidifier can be quickly and simply suspended from the ceiling. No pumps, ducts, compressed air, steam, drain† or floor space is required. Make a water connection, plug the electric cord†† into an outlet and the unit is ready to operate.

Costs less to buy, less to operate.

Low first cost and low operating costs of the Type E are the result of the high evaporative capacity provided by the efficient centrifugal humidifier design, engineered for simple, economical, yet highly efficient operation with minimum maintenance.

Additional benefits include easy maintenance and control.

- Dependability is assured by a minimum of moving parts, all of which are directly connected to the motor shaft.
- Inspection or cleaning of the reservoir, float valve

† Drain is recommended for certain applications.
 †† Not provided with electric cord in areas where codes prohibit.





**UP TO
3 GAL.
PER HOUR**

and pump can be easily accomplished without detaching the humidifier from its mounting.

- The reservoir can be quickly removed by releasing three stainless steel snap-slide fasteners.
- Accurate control is provided by an optional automatic humidistat which can regulate one or more units.
- Discharge is adjustable within the 360° circumference.

Operation is simple and effective.

The Type E Humidifier is suspended from overhead by means of metal straps or chains attached to three connections on the humidifier. A water supply line (clean water at any pressure up to 80 psi) and electrical connection are all that's required for operation. Bahnsen will provide you with guidelines for mounting locations for optimum efficiency; and, of course, we are available for

consultation on unusual requirements.

The Type E Humidifier delivers a fine mist in a full 360° pattern, unless discharge shields are used. Shields can be provided in blank-off areas of 30°, 60°, 90°, etc.

A float valve maintains a constant water level in the reservoir. The water is pumped from the reservoir to a rotating stainless steel disc which discharges it at high velocity against the teeth of a stainless steel grid. The resulting fine mist is mixed with the air stream and discharged radially. This fine mist remains suspended in the air stream until completely evaporated a short distance from the humidifier.



An overflow fitting is provided with each humidifier.

Power is provided by a heavy-duty, totally enclosed sealed ball-bearing, motor with internal overload protection. All other components of the humidifier are made of corrosion-resistant materials. Automatic control is provided by optional humidistats.

The Bahnson Type E Humidifier provides truly dependable humidification backed by experience gained in over 65 years of manufacture. Bahnson welcomes the opportunity to provide you with additional information, or to discuss your humidification needs at no obligation.

specifications subject to change. No statement contained herein shall constitute or be construed to constitute a warranty, expressed or implied, with respect to the products described.

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SPECIFICATIONS		
	Model IA	Model IIA
EVAPORATION	1 1/2 Gal. Per Hr.	3 Gal. Per Hr.
MOTOR	1/4 hp (2.8 amps) 3400 rpm TENV, ball bearing	
POWER REQUIREMENT	115 V 50/60 HZ 1 Phase	
WEIGHT	30 lb. Net; 40 lb. Operating; 35 lb Domestic Shipping; 79 lb. Export	
COLOR	Neutral Green	
WATER SUPPLY CONNECTION	1/2" Copper Tube Compression Fitting or 1/8" MPT at water shut-off cock, max. pressure 80 psig	
OVERFLOW FITTING	Not usually required, 1/8" MPT fitting if needed	
ELECTRICAL CONNECTION	5-Ft. rubber-covered cord with 3-prong plug	
APPLICATION	Commercial- Small Industries	Industrial
OPTIONS	Stainless steel filter screen (fibrous application); filter paper over screen (fine fibrous application); Bahnson MBE 1 electric humidistats; aspirated cabinet type humidity controls; cabinets with temperature and humidity recorders.	
SPECIAL INDUSTRIAL APPROVALS	CSA approved Meets the City of Los Angeles' electrical and mechanical codes	

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