



## Increased Blown Film Production

Mokon's BFC Series Blown Film Air Coolers offer an increase in blown film productivity, especially in warmer climates or when ambient air temperatures rise during the summer. Mokon's BFC Series boosts productivity by eliminating production variables in your air ring supply, including air temperature, pressure and volume.

The BFC units typically use a modulated chilled water supply to provide a constant leaving air temperature to the process. The air inlet diffuser assures that the air stream covers the full face of the cooling coil to provide optimum cooling efficiency. The leaving air chamber is insulated to reduce condensation while providing the coldest air possible to the air ring.

The overall design provides for long life, durability and accurate air ring process control. Traditional Mokon quality and craftsmanship can be found throughout, such as noncorrosive construction of wetted surfaces and the heavy-duty powder coated steel cabinet inside and out. The system also includes a permanent cleanable inlet filter and condensate trap. All these features and more in a compact, stackable design with Mokon reliability built in!



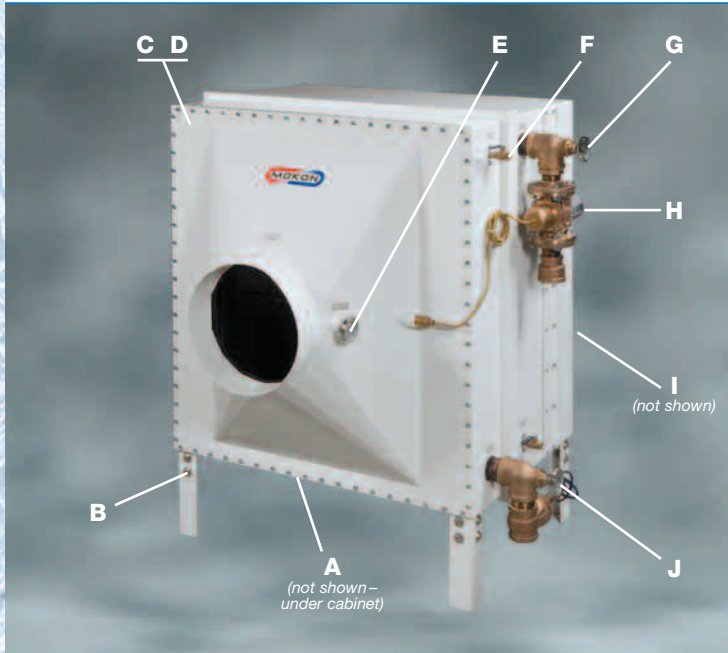
Design is the Difference<sup>SM</sup>

## BFC Series

### Blown Film Air Coolers

- **Powder coated (inside and out), heavy gauge steel cabinet designed for 35" static pressure**
- **Noncorrosive wetted surfaces**
- **Available in sizes from 600 CFM to 7500 CFM**
- **16" or 35" static pressure blower packages**
- **Permanent cleanable filter**
- **Condensate trap**
- **Drip condensate pan**
- **Bolt-on adjustable legs**
- **Stackable design available**
- **Dial thermometers for chilled water inlet, chilled water outlet and leaving air**
- **Pre-piped with optional two- or three-way chilled water control valves**

# Consistent Leaving Air Temperature



## Standard Features

The Blown Film Air Cooler System offers many features as standard to provide accurate temperature control while cooling your blown film.

- A** Condensate trap
- B** Adjustable legs
- C** Hybrid epoxy, powder coated (inside and out) cabinet
- D** Zinc plated bolts spaced for 35" static pressure
- E** Leaving air thermometer
- F** Coil air vent
- G** Chilled water inlet thermometer
- H** Two-way leaving air temperature actuated valve (optional)
- I** Entering air diffuser
- J** Chilled water outlet thermometer and ball valve

## BFC Specifications

Model	Process Air CFM	B.t.u./Hr. of Heat Removal <sup>1</sup>	Nominal Cooling Required <sup>2</sup> (tons)	Water Capacity (gpm)	Chilled Water Connection (inches)	Air Inlet/Outlet Size (inches)	Optional Blower Motor <sup>3</sup>		Dimensions Base Unit L x W x H (inches)	Base Unit Shipping Weight (lbs.)	Shipping Weight With 16" Blower (lbs.)	Shipping Weight With 35" Blower (lbs.)
							16" Static Pressure (hp)	35" Static Pressure (hp)				
BFC-600	600	64,512	7.3	13	1.00	10/10	3	7.5	47 x 32 x 47	400	690	790
BFC-1000	1000	105,855	12.1	26	1.50	10/10	5	10	47 x 32 x 47	430	705	830
BFC-1500	1500	158,861	18.2	40	2.00	14/14	7.5	15	47 x 38 x 51	645	985	1,215
BFC-2000	2000	211,775	24.2	59	2.00	14/14	10	20	47 x 38 x 51	700	1,050	1,325
BFC-3500	3500	370,470	42.4	81	2.50	16/16	15	40	60 x 45 x 74	1,100	1,580	2,035
BFC-5000	5000	532,210	60.5	112	2.50	18/18	25	60	70 x 64 x 75	1,600	2,375	2,575
BFC-7500	7500	793,760	89.3	126	3.00	22/22	40	75	70 x 73 x 84	1,700	2,575	3,800

<sup>1</sup> Based on 50°F leaving air from cooler, 80°F wet bulb ambient air temp, 40°F entering chilled water and required CFM of process air. Please note: Heat removal value does not include heat contributed by the blower.

<sup>2</sup> Chilled water tons required with entering air at 100°F dry bulb, 80°F wet bulb, 40°F chilled water and 50°F leaving air.

<sup>3</sup> Blower at 460 Volt, 3 Phase, 60 Hertz. (Additional voltages available; consult factory)

## Options

Mokon offers a variety of options and accessories to meet specific customer needs. Typical requests include custom painted colors, custom air inlet/outlet transitions, stacking ability, two- or three-way valves, 16" or 35" static pressure blowers, 5°F approach coil and other voltages. Please consult factory for more information.

## Product Testing and Warranty

All Mokon systems are qualified for service by rigid, simulated field tests, and they are factory calibrated before shipping. With durable materials of construction and reliable components, Mokon offers a one-year warranty as standard.

**For more information on Mokon's Blown Film Air Coolers or other products, call our sales department today.**

Technical data shown is subject to change without notice. The company will endeavor to supply the equipment as illustrated but reserves the right to make dimensional and other design changes as required.



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