

Internal Air Cooler for Blow Molded Parts

Improves blow molded product quality and consistency while increasing blow molding machine productivity.

Comet's Blow Molding Booster (BMB) system is a simple, safe air chiller designed to reduce material stress and distortion by cooling the internal air of the product during the blow molding process. Cooling time, the longest part of the total cycle time, slows production and shrinks the profits.

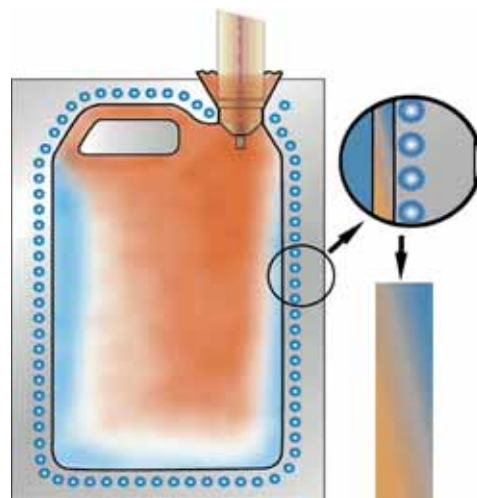
The BMB replaces the regular blown air with chilled, compressed air (37°-41°F/ 1°-5°C) in the internal surfaces of the product during the cooling process to improve cooling efficiency, cut cooling time, and reduce both molding stress and crystallization rates.

Standard Features

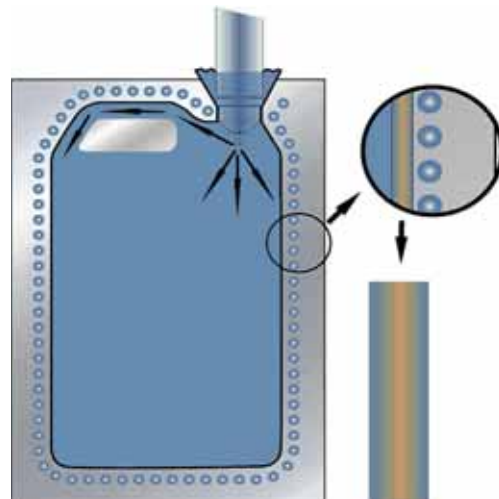
- Increases productivity up to 35% coupled with material savings of up to 10%, and can pay for itself within one year.
- Maintenance free, capable of handling any quality of compressed air.
- Compact, normally installed on top of the blow molding machine, to save floor space.
- Brushed stainless steel housing, stainless steel plate heat exchangers.
- Can also be used as a water cooling compressed air chiller without a desiccant dryer.



BMB-160 (capacity: 160 Nm³/h)

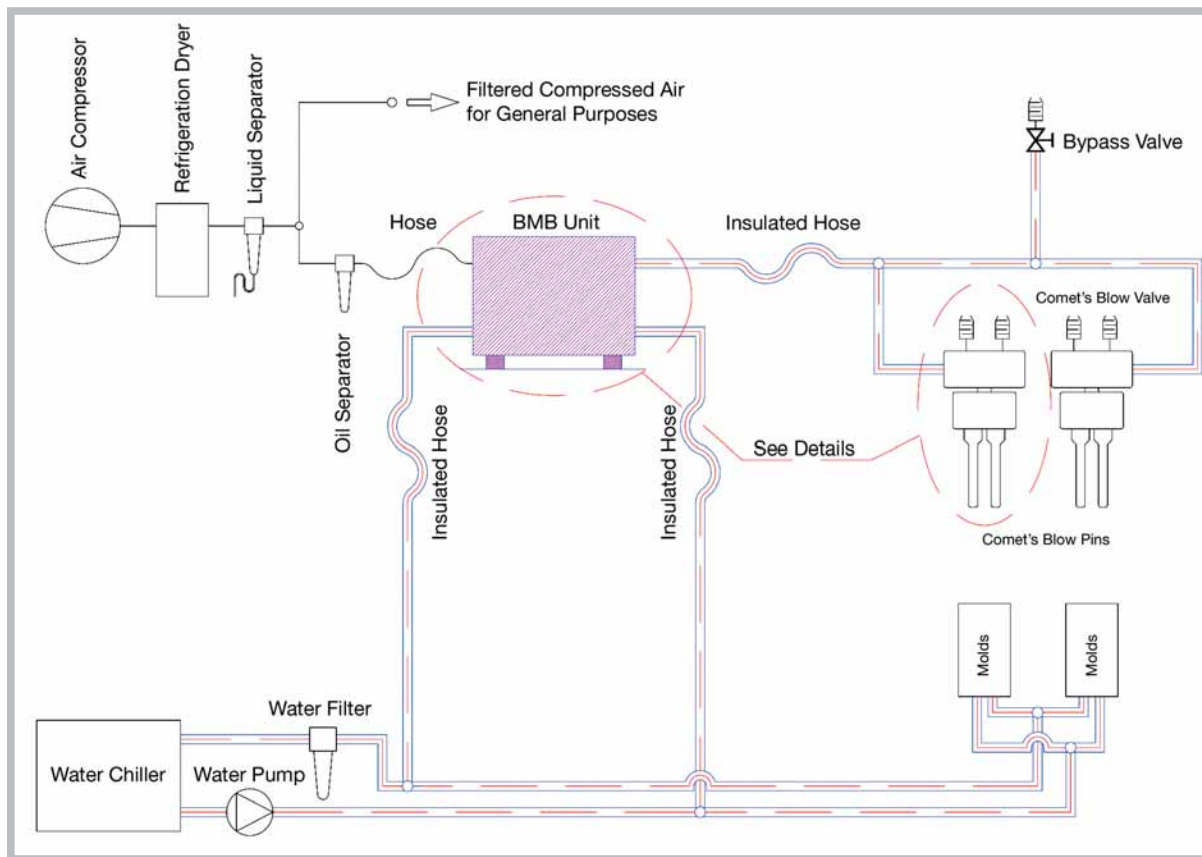


Blowing Process with Normal Air



Blowing Process with Chilled, Compressed Air





Specifications

Model	BMB-160	BMB-320
Min / Max. Air Flow Nm ³ /h	160	320
Max. Air Pressure PSI (Bar)	217.5 (15)	217.5 (15)
Power Consumption W	950	4,000
Connected Load W	1,900	5,000
Max. Cooling Water Temp. °F (°C)	61 (16)	61 (16)
Min. Cooling Water Pressure PSI (bar)	29 (2)	29 (2)
Width inch (mm)	12 (315)	
Height inch (mm)	30 (770)	
Depth inch (mm)	13.5 (345)	
Weight lbs. (kg)	99 (45)	265 (120)

We reserve the right to change specifications without prior notice.

Options

- Customizable blow pin and needles bladder designs available.
- Blow valve blocks to optimize air exchange.
- Air compressor, air/oil separator, air dryer.
- Control valve for controlling bladder valve blocks.

