

Bucceri B4 Snow Generator



Simple to Operate
High Capacity
1 Cubic Metre Per Minute
Any Temperature

The patented **Bucceri B4 All-Weather Snow Making Machine** is a proven performer in making large quantities of fresh snow for use at **Ski Resorts, Urban Events or Indoor Ski Centers**. Either connect to the Bucceri B4 Snow Maker to make the finest quality snow available.

A Bucceri B4 snow maker can create up to 60 cubic meters of snow per hour at a density of 0.4 from any form of ice.

You can use a B4 snow maker and feed ice manually, with a machine such as a bobcat or connect directly to our flake ice generating modules. When connected to a Bucceri Ice Flake Generator the snow making system can be controlled to operate automatically making fresh snow on a batch cycle or continuous cycle. That means 10 to 500 cubic meters of snow daily depending on the Ice Flake Modules connected! Just connect to water and power, dial in your preference and you are set to go.

Features

•Control panel

The LED Control Panel displays everything needed to control your snow making production. You can access the control panel directly from the LED display or remotely using the state-of-the-art software that allows you to access and control the equipment from your computer, laptop, iPad or Phone.

•Adjustments of the B4 output for snow making

include a PLC and Variable Speed Drives that allow you to control the operational speeds and adjust the system to meet your needs.

•Operation

The Bucceri B4 Snow Making System can produce 1 cubic metre of high quality per minute when operated at maximum capacity. The snow produced can be blown through a hose and spread over an area of approximately 250 square meters from the machine or blown into the air up to 20 meters high to cover an area of around 120 square meters.

How Does it work?

The Bucceri B4 Snow Making System makes snow directly from ice with the ability to operate and produce fresh snow that can be created at any temperature for indoor or outdoor use.

The **Bucceri B4 Snow Making System** uses patented technology to harvest any form of ice into fine snow crystals. This is made possible with the Bucceri impeller and its characteristics to vacuum, blow and harvest the ice introduced into snow particles. The speed and harvesting characteristics of the B4 Snow Making system is the best solution to produce small particles of ice continuously from ice.

Safety

The **Bucceri Snowfall PLUS** complies with all current safety requirements for a machine of its type.

Service

The strong partnership between Australian Manufacturer Bucceri Snow Making Pty Ltd, and Local Partners provides quick and easy service guaranteeing the high quality of all products.

Technical data for B4 Snow Making System

Procedure	Falling snow generator
Power requirement Including 1 Module with 2 ice Generating Units	Total Load Control Panel 63 Amps plus E and N Consisting of: Fan Blower 50 Amps Conveyor 8 Amps Deflector 2 Amps
Voltage	415V/50Hz 3phase
Warm up time	approx. 1 min.
Power Consumption at design	25kw/hour
Snow Blow Range	15 to 20 Meters
Snow area Coverage	250 square meters
Maximum Output per hour	60 cubic meters of snow per hour at 0.4 Density
Maximum Hose Length	6 Meters
Control excluding Ice Generating Module	Omron 30KW 3G3RX-V1 series Inverter (VSD) – Three Phase Input 380-480VAC Omron 0.4KW (1.8A) MX2-series Inverter (1/2HP VSD)- Three Phase Input 380-480VAC Omron 2.2KW (5.5A) MX2-series Inverter (3HP VSD) -HMI operator 7inch Omron NA screen (800 x 480, 24bit colours) All automation components & Plc Omron All control shall be Ethernet safety over Ethercat All VSD's (variable speed drives) have power filters installed (to comply with overseas standards) Panel is programmed & wired Cables EMC screened and earthed to reduce RFI & interference, Three Phase Input 380-480VAC MPG10R5 Remote Stainless-Steel Control Panel Omron NX1P2-9024DT1 NA5 SYSMAC Machine Automation Controller (MAC), with 14 inputs and 10 PNP outputs.

Component Name	Automated Bucceri B4 Snow Making System All weather
Impeller Brand	Bucceri High Speed Patented Stainless Steel Construction
Motor	ABB 30Kw 3 Phase
Coupling	Direct
Bearing	Bucceri
Output	Up to 60 Cubic Meters Per Hour
Connected Conveyor	Bucceri
Dimensions per Unit	Custom Made 15'x 2' Automatic Stainless Steel Connected in Series 3000 by 1210 by 1205 B4 Snow Machine: 1435 by 945 by 1205 Direct Connect Conveyor: 1400 by 1210 by 740 Control Panel: 1000 by 400 by 1200
Weight per Unit	1150 kilograms in total Consisting of: B4 Snow Machine 700 kgs Built in Conveyor 300 kgs Control Panel 100 kgs

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(76) **Inventor:** **Albio Bucceri, Hamilton (AU)** 6,334,325 B1 * 1/2002 *Fujimura* 62/320
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