



BUCCERI SNOW



Bucceri B4 Blower Fan Gun Hybrid



Bucceri B4 Fan Gun: Snowmaking, Anytime, Anywhere



Bucceri B4 Fan Gun: Snowmaking, Redefined.

Revolutionizing Snow Production: Introducing the Bucceri B4 Blower/Fan Gun Hybrid

Since 2009, Bucceri has been a trusted leader in all-temperature snowmaking, serving ski resorts, theme parks, events, and more. Now, we're pushing the boundaries of snow production with the innovative B4 Blower/Fan Gun Hybrid. This cutting-edge technology dramatically increases snowmaking capacity, performing flawlessly both above and below freezing.

Unleash the Power of All-Temperature Snowmaking

The Bucceri B4 seamlessly blends the functionality of a traditional fan gun with a revolutionary, ice-based nucleation system.

Dual-Mode Operation: The B4 can operate *exactly* like a conventional fan gun in sub-freezing temperatures, utilizing its powerful fan (20,000 cfm) and precision water nozzles (activated by an onboard control system) to propel snow further and faster.

All-Temperature Snowmaking: What sets the B4 apart is its unique, patented ice-making system. Unlike traditional fan guns that rely on air compressors and nucleating valves, the B4 uses integrated ice machines to create ice nuclei at *any* temperature. This groundbreaking approach allows for snow production on demand, regardless of ambient conditions.

The Bucceri Advantage: Eliminating Weather Dependence

The B4's innovative ice-based nucleation provides significant advantages:

Snow on Demand: Stop waiting for ideal conditions. Produce high-quality snow whenever you need it, maximizing your snowmaking window and ensuring consistent coverage.

Unprecedented Versatility: Whether operating as a traditional fan gun in the cold or leveraging its unique ice-making capabilities in warmer temperatures, the B4 offers unparalleled flexibility.

Increased Capacity: Boost your existing snowmaking capacity and maintain consistent snow cover, even with fluctuating temperatures.

Flexible Deployment: Using a container System the B4 can be positioned up to 150 meters (500 feet) away from the ice-making machines, providing versatile placement options.

How it Works:

The B4 utilizes a high-output fan and precisely controlled water nozzles, just like a traditional fan gun. However, instead of relying on compressed air and a nucleating valve, the B4's onboard ice machines generate the necessary ice nuclei for snow formation, regardless of temperature. This allows the B4 to create snow in plus temperatures when traditional fan guns are unable to operate.

TECHNICAL SPECIFICATIONS

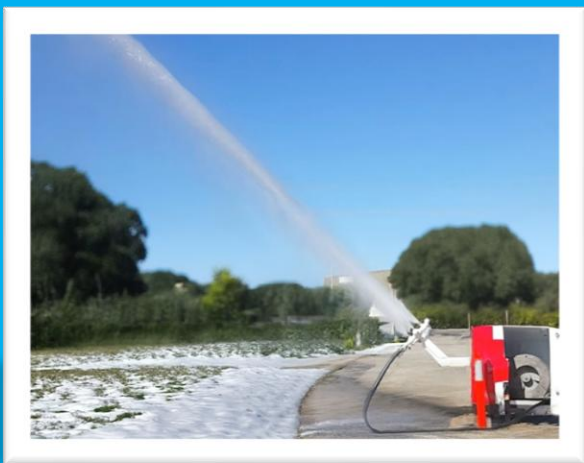


Atomised water usage shown below at -3 degrees Celsius (7 Degrees Fahrenheit) Wet Bulb assume an Ice Nucleation production of 2.5 litres per minute 0.625 Gallons per minute.

A 30kw (40HP) B4 can generate up to 333 litres per minute (732 pounds/min) of ice nuclei and a 2kw B4 can generate up to 6 litres (13.2 ponds/min) per minute when connected to Bucceri-Ice G ice making systems meaning greater capacities could be achieved and more nozzles added.

ESTIMATED WATER FLOW LITRES					
WaterFlow(Litres Per Minute)					
Bank	Nozzles	13BAR	20BAR	27BAR	34BAR
Always on	6.x .078	52	64	76	88
Valve1	6.x .092	68	92	104	120
Valve2	6 x .125	88	108	124	140
Additional As Needed					
Total	18	208	264	304	348

ESTIMATED WATER FLOW GALLONS					
Water Flow (Gallons Per Minute)					
Bank	Nozzles	200psi	300psi	400psi	500psi
Always on	6.x .078	13	16	19	22
Valve1	6.x .092	19	23	26	30
Valve2	6 x .125	22	27	31	35
Additional As Needed					
Total	18	54	66	76	89



Can Connect direct to your existing snowmaking water and power supply like a fan gun.

Powerful Fans from 2kw to 30kw that not only can be used to blow and mix with air at sub-freezing temperatures and can be used in plus temperatures to make high quality powder like snow.

Nozzle plate with 18nozzles, heaters, solenoid valves and automated control to provide snow on demand when temperatures are below freezing.

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Contact us today to learn more about the Bucceri B4 Blower/Fan Gun Hybrid and Experience the future of snowmaking.

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