

EN

A black snowmaking machine with multiple nozzles spraying water into the air, creating a large cloud of mist against a cloudy sky.

SNOWMAKING

Innovative, modular and powerful

Energy efficiency without
compromises in performance

It's a Bachler!

With our years of experience in snowmaking, we develop our own snow lances since 1999. Due to the continuous development, the snowmaking systems are always state-of-the-art and extremely energy-efficient. We are happy to help you with our experience to find the best solution for your ski area!



Swissness

The Bachler products are developed and manufactured in Switzerland. Everything out of one hand, made in Switzerland.



Energy efficient

The Bachler snow lances are extremely energy efficient without any loss of performance.



Huge experience

Bachler, the pioneer in snowtechnology. Since more than 40 years in the snow business.



Modular design

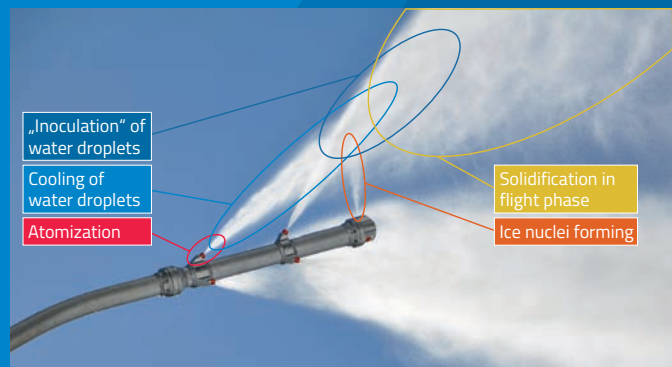
All Bachler snow lances are modular designed, which allows an easy adaptation and enlargement of your equipment.



NESSy technology

The heart of all Bachler lances is the NESSy technology. Researched and tested over 3 years between 2005 and 2008, among others in collaboration with the SLF (Swiss Federal Institute for Snow and Avalanche Research Davos) and the FHNW (University of Applied Sciences Northwestern Switzerland). In detail, the „hot phase“ in the snow emergence was investigated - ice nucleation and solidification in flight.

It was researched where and when the ice nuclei from the compressed air / water nucleator nozzles had to hit the droplets from the water nozzles. If the drop shape and size, timing and position in this „inoculation process“ are perfect, the result is that in the solidification phase, high-quality technical snow is formed in a 10-second flight.



Important achievements have been made in optimizing key issues such as early start in the marginal temperature range, higher energy efficiency and lower noise emissions. The NESSy technology is patented worldwide!

The head makes the difference

Thanks to continuous development of our own patents and the modular product development, NESSy and SnoTek consolidated their technological unique position over the years. This claim is most evident with the multihead variants MEDUSA and TRIDUSA. The appearance is independent and there is no comparison to the commercially available, slender designed „sticks“.

The Bachler multi-head versions achieve 2 to 3 times the amount of snow with a comparable quantity of compressed air use. Without costly investments, existing water / air infrastructures can be optimized. The Bachler SnoTek TRINITY TRIDUSA is currently the spearhead in terms of range of applications, snow quantity and energy efficiency.



The Bachler SnoTek TRINITY TRIDUSA can do almost anything, almost perfectly.



bäehler

the pioneer in snowtechnology

Legende:

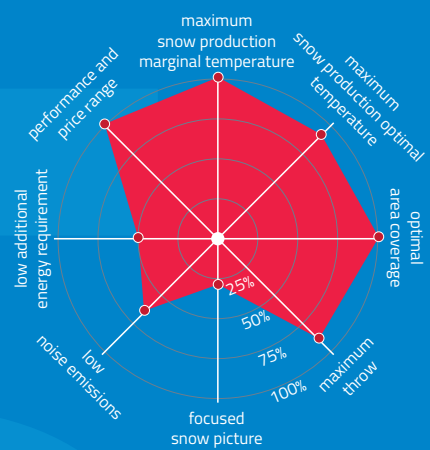
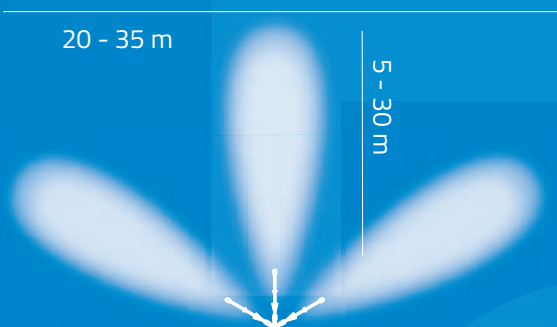


Number of snow levels



SnoTek TRINITY TRIDUSA

Snow production is possible from -1.5° wet bulb temperature and an impressive 12 m^3 of snow at 20 bar water pressure and even 21 m^3 at 60 bar per hour are achieved. A maximum water flow of up to 852 l/min and up to 115 m^3 of snow per hour is possible. A performance balancing act that is unparalleled.

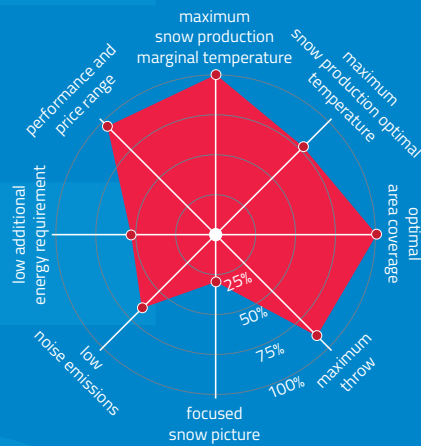
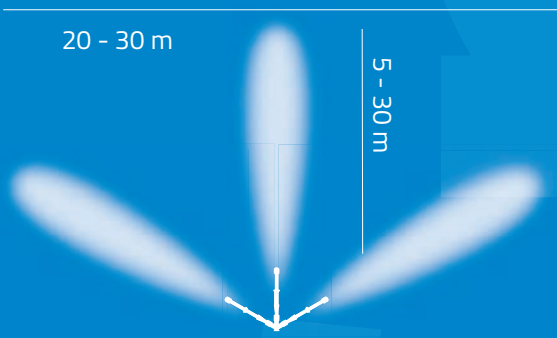


S2



SnoTek TRACK TRIDUSA

For short snow production-windows the perfect solution. The Bachler SnoTek TRIDUSA achieves incomparable performance in the marginal temperature range. From -1.5°C WBT up to 21 m^3 of snow per hour and at -5°C WBT up to $67\text{ m}^3/\text{h}$ can be produced when fully switched on. The 2-steps lance triples the snow production with a huge area covering due to the three heads.

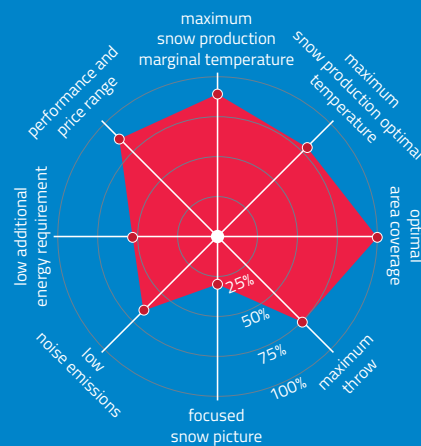
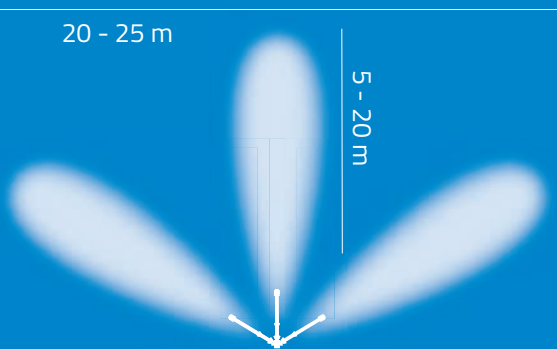


S1



SnoTek V1 6D TRIDUSA

The Bachler SnoTek V1 6D TRIDUSA has „only“ one snowing level, but offers the perfect mix of starting temperature and snow power. At -3.0° wet bulb temperature, a snow output of up to 53 m^3 of snow per hour is achieved. The first choice, among other things for retrofitting older systems.

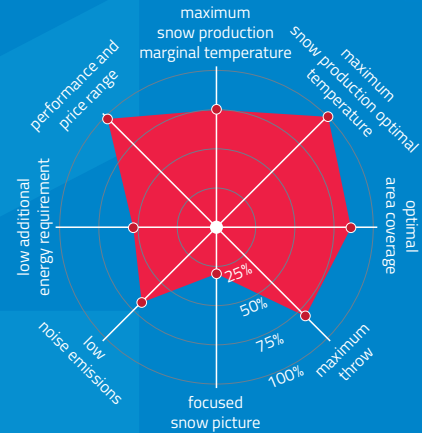
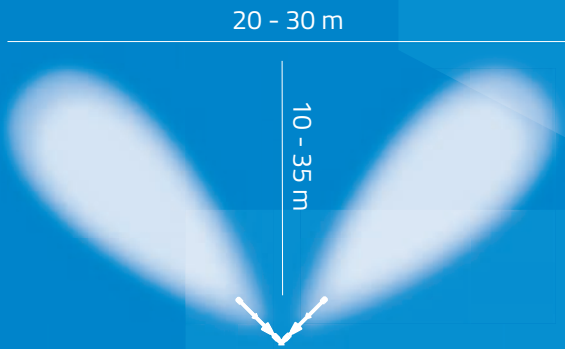


S8



SnoTek ET MEDUSA

The license for maximum snow production. The power machine SnoTek MEDUSA reaches its full power even at $-8\text{ }^{\circ}\text{C}$ WBT and can process up to 922 liters (!) of water per minute and produce up to $124\text{ m}^3/\text{h}$ snow with a large-area coverage. The SnoTek MEDUSA also has 8 different snow steps for optimum snow quality.

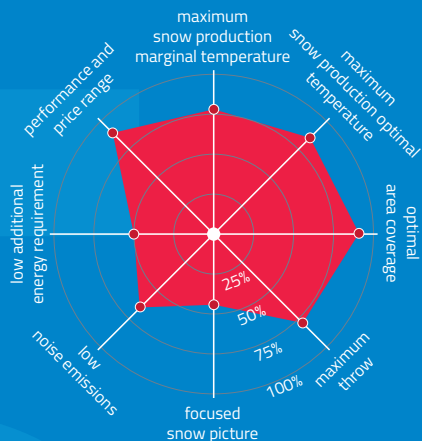
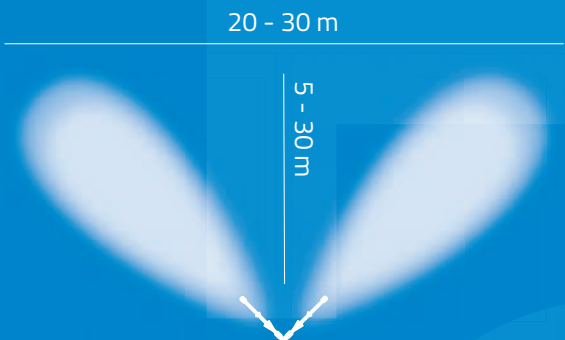


S4



SnoTek TRINITY MEDUSA

The Bachler TRINITY MEDUSA combines excellent area coverage with a throw range of up to 30 meters with four snow levels. This allows the double head to be gradually optimized for performance and quality as needed. Ideal conditions are achieved from $-7.7\text{ }^{\circ}\text{C}$ WBT and the starting temperature is $-1.5\text{ }^{\circ}\text{C}$ WBT. NEW available as 60° version.

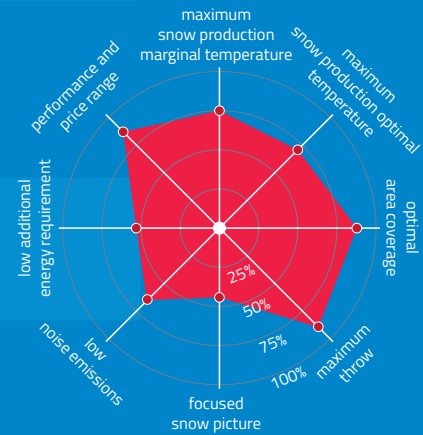
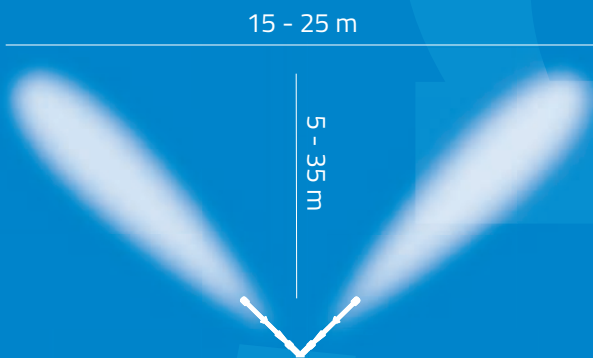


S2



SnoTek TRACK MEDUSA

The SnoTek TRACK MEDUSA closes the gap between the single-head and triple-head TRACK variants, combining focused throw with greater area coverage. It's the alternative when the full performance of the SnoTek TRIDUSA isn't needed, with identical parameters in the marginal temperature range. NEW available as 60° version.

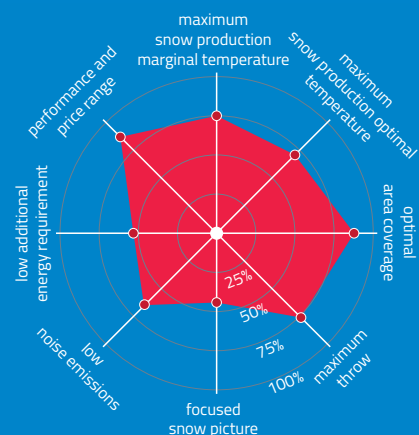
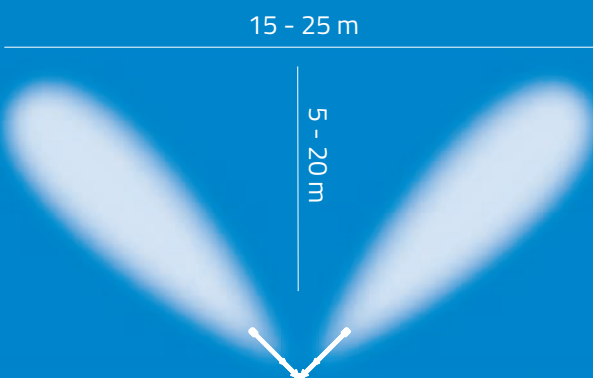


S1



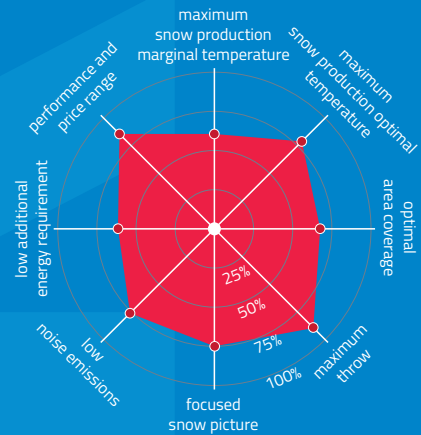
SnoTek V1 6D MEDUSA

The Bachler SnoTek TRACK 6D MEDUSA has „only“ one snow level but offers the perfect mix of starting temperature and performance. At -3.0° wet bulb temperature, a snow output of up to $35 \text{ m}^3/\text{h}$ is achieved. The first choice, among other things for retrofit older systems. NEW available as 60° version.



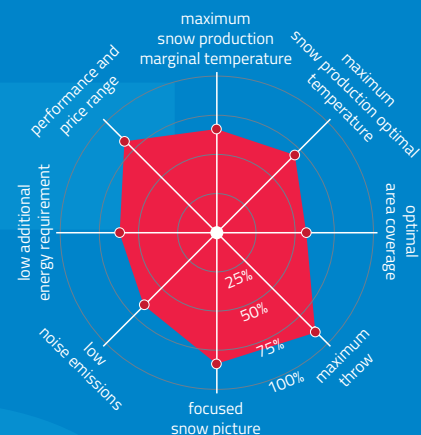
SnoTek ET

With the SnoTek-Technology, the snow lances from Bachler catch up the performance of low-pressure fan guns. With a fraction of the required energy comparable throwing distances are achieved. The 8 different snow steps always allow optimum snow quality with maximum performance.



SnoTek TRINITY

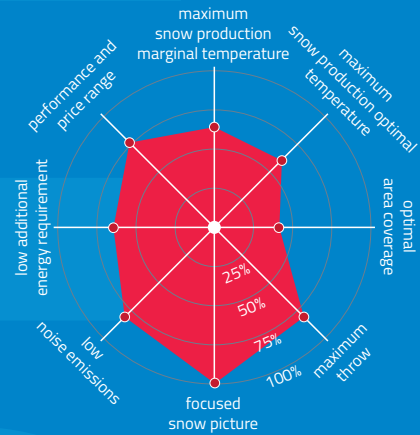
The Bachler SnoTek TRINITY V-jet nozzle package offers two additional snow levels in addition to the basic stages, which can be combined to create a total of four snow levels. Starting at -1.5°C WBT snow production can be gradually optimized for performance and quality up to the ideal conditions of -7.7°C WBT.



S2

SnoTek TRACK

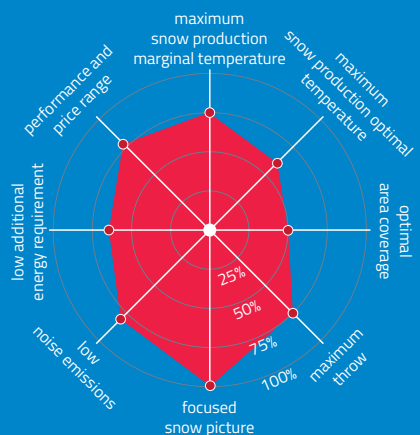
The SnoTek TRACK has a particularly focused and at the same time wide throw. The snow is right there where you need it. The ideal solution for small slopes, cross-country trails, toboggan runs and hiking trails. The 1- or 2-steps lance reaches a waterflow of up to 166 l/min and can produce up to 22 m³ of snow per hour.



S1

SnoTek V1 6D

At -3.0° WBT a snow output of up to 18 m³/h is achieved. The Bachler SnoTek TRACK 6D has „only“ one snow level but offers the perfect mix of starting temperature and snow output. The first choice, among other things for retrofit older systems.

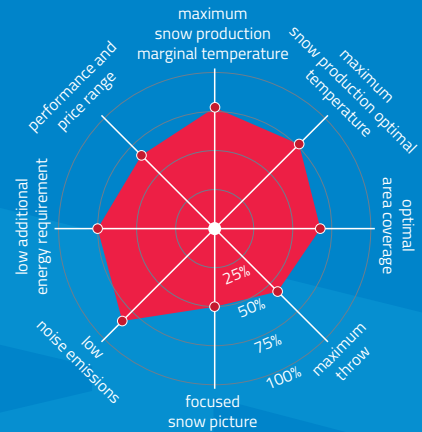
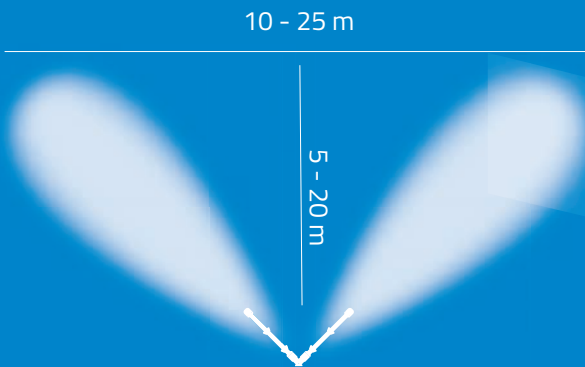


S4



NESSy MEDUSA

The double-head lance, based on the successful NESSy technology, not only offers twice the amount of snow, but also a large area coverage due to the 90° angle. The system is ideal for retrofitting existing systems. Over the entire application area an impressive performance is achieved.

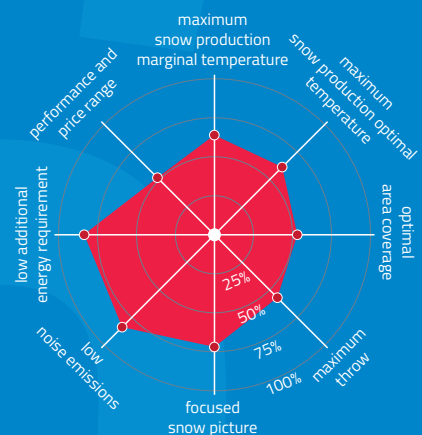


S4



NESSy

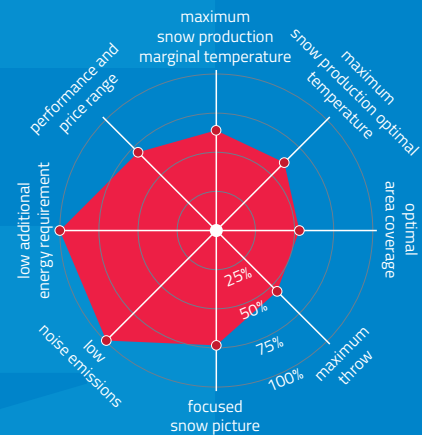
The start into the NESSy-Technology and the first step into the energy-efficient snowmaking. The single head lance is perfect for fully developed lance snowmaking-systems. The worldwide patented NESSy-Technology has been awarded with the Swiss Excellence Award.



S4

NESSy ZeroE

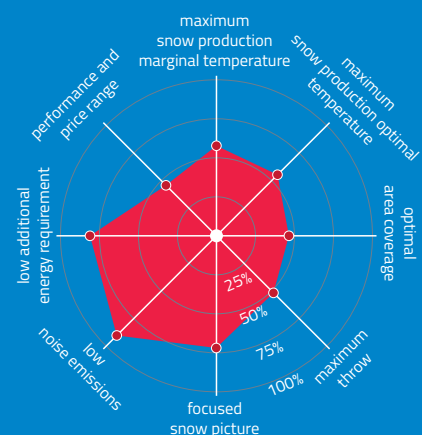
A snow production completely without electricity and additional energy. With the NESSy ZeroE that is reality. Due to the drop height of the water, the required water pressure is reached. A jet pump generates the individual media compressed air and water ... and it snows, only with the power of nature.



S2

NESSy Short

The NESSy Short has 1 or 2 snow levels and achieves maximum performance from -5° WBT and produces up to 25 m^3 per hour. As with the entire NESSy family, the starting point for snowing is -1.5° WBT. Also available as MEDUSA version.





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Maximum efficiency through customized solutions

The Bachler Top Track snow-making systems are designed for modularity and maximum efficiency. Many variants and customized solutions are possible!

With passion we are looking for the best solution for you. We look forward to your call!

Phone +41 56 677 71 00