



# 900<sub>T</sub>

Also on offer:



900<sub>A</sub>



700<sub>s</sub>



700<sub>H</sub>



700<sub>ASE</sub>



900<sub>MN</sub>



600<sub>M</sub>



 | SUPERSNOW

**SUPERSNOW SA**

 ul. Ks. A. Siudy 11 | 34-436 Maniowy | POLSKA

 +48 18 265 35 55

 [biuro@supersnow.com](mailto:biuro@supersnow.com)

 [facebook.com/careforsnow](https://facebook.com/careforsnow)

[supersnow.com](https://supersnow.com)

**Technology** that cares for snow

EN

## 900T - KING OF THE SLOPES

The 900T is the culmination of our technical expertise and experience in creating reliable and super-efficient snowmaking equipment. The 900T, on the one hand, uses all the best solutions from our other devices, and on the other hand, boasts a number of innovations that make it probably the best snow gun on the market. The 900T can be mounted on any manufacturer's well.



TwinC® SUPERSNOW Ceramic nozzles



Nucleation nozzle

### TwinC® SUPERSNOW ceramic nozzles

The abrasion-resistant, ceramic TwinC® SUPERSNOW nozzle significantly increase the snow gun's performance. This is possible thanks to the innovative ceramic insert, which is characterized by high resistance to abrasion caused by the flow of water contaminated with sand particles and other precipitates, which have not been retained in the filter. The ceramic insert allows the proper flow of water, which guarantees the maintenance of the correct angle of its atomization and ensures optimal droplet size for years.

The ease of nozzle installation and removal means that maintenance requires minimal work.

### Nucleation system

The basic components of the nucleation system are dual-medianucleation nozzles equipped with an individual water filtration system. The new design of the nucleation nozzle makes it possible to significantly reduce the volume of air required for atomization of water in the nucleation system.

An additional benefit is that the air pressure in the nucleation system can be lowered by about 2 bars, which has a positive effect on the temperature of the compressed air and lowers noise emissions from the nucleation nozzles.

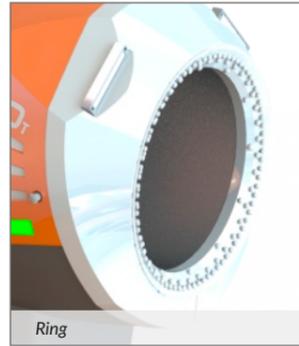
The new design of the nucleation nozzle allows the use of a much smaller air compressor, which has a much lower noise level and significantly lower energy consumption.

### Air cooling system in the water-air ring

The air from the compressor is cooled as it passes through a heat exchanger built into the water-air ring. This solution significantly increases the efficiency of the nucleation system, with remarkable results, especially at marginal temperatures.



Fan



Ring

### New fan impeller

The fan design is a continuation of the design developed for the 700 series guns. The blade design and the aluminum rotor with a spherical hub shape result in an increase in the efficiency of the fan system and a reduction in noise compared to the earlier, already highly efficient version used in the 900A.

### New ring and valve train design

The solution developed by SUPERSNOW's engineering team eliminates the need for water discharge through the drain valves during machine operation. Water discharge occurs only when the machine is started and stopped. At other times, excess water is blown out with compressed air through water nozzles and turned into snow.



### A new dimension of servicing

The design of the pole allows the gun to be lowered to the operator's level using a hydraulic cylinder. This is the best position for servicing, in addition, it allows for technical start-up of the gun and its test operation. All this allows to significantly reduce the time for servicing the device.

### Wind is no longer an obstacle

A new advantage is the ability to adjust the negative angle of the tube. The function is especially useful for snowmaking during strong winds on narrow ski slopes. Snow goes exactly where it is needed.

**We have the ambition to make our equipment a trend-setter in designing equipment that functions in harmony with both - nature and people. We have the ambition to make our equipment a trend-setter in designing equipment that functions in harmony with both - nature and people.**

### SPECIFICATIONS

Number of water sections	5
Number of nucleation sections	1
Number of water jets	126
Number of nucleators	6
Water intake	up to 665 l/min
Max. snow production	up to 115 m <sup>3</sup> /h
Range of produced snow density	330 - 870 kg/m <sup>3</sup>
Number of degrees of snow quality	7
Horizontal rotation	360°
Tilt angle of the tube	-5° to 45°
Total height of the device	4,4 m

### WEIGHT/DIMENSIONS

Weight of the snow gun	770 kg
Width	1250 mm
Height	4392 mm
Length	1519 mm

### ELECTRICS

Maximum power consumption	19,9 kW
Water ring heating	2,75 kW
Oil-free compressor	1,5 kW
Fan motor	15 kW
Other	0,65 kW

### STANDARD EQUIPMENT:

- Rubber water hose;
- Hydrant drive cable;
- 5x10 mm<sup>2</sup> power cable;
- Oil-free compressor 1.5 kW;
- Led lighting;
- Led signal lighting;
- Operator panel integrated into the gun;
- Weather station;
- Protective Mattress.

### OPTIONAL/EXTENDED EQUIPMENT:

- RV 100 water valve;
- DV7 hydrant drive;
- Snow gun cover;
- ETH/LTE/other communications;
- Spare water filter cartridge.

