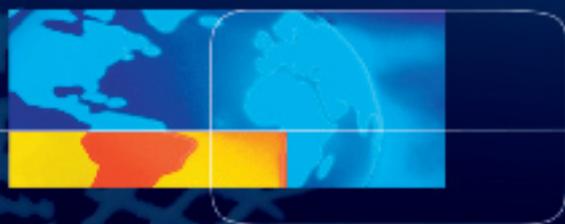




SMI COVERS THE WORLD



AIRSTICK

SMI SNOWMAKERS
A LEADER IN WORLDWIDE SNOWMAKING TECHNOLOGY

AIRSTICK

AIRSTICK

«THE NEW GENERATION»

SMI Snow Makers AG developed, compared to conventional systems, the more effective «self cleaning nucleator system», which is used at the airstick.

The «self cleaning nucleator system» brings substantial advantages particularly in the maintenance, in the handling and in the production of snowmaking.

The cooling at the special nozzles achieves sensational snowmaking results in the marginal temperature range as well as smallest air consumption.

The Airstick is a special profile of a high-quality aluminum alloy and made with most modern aluminum welding processors. The welding lines are pressure impact tested.

High reliability is guaranteed due to automatic draining and use of stainless steel for wearing parts.

Variants: The SMI Airstick gives it in different variants and is in the lengths 6 m or 10 m available.

Also a little lift track gun is available (height: 4 m)

Automation: Air and water pressure are permanently supervised by the SMI supervision automatic software program. A freely selectable number of sticks can be assigned to the best placed weather station.

Air consumption: The new SMI Airstick technology needs a minimum of 450 l/min. air consumption during a compressor capacity of 3,8 kW.

Mounted assembly:

- on particularly developed concrete sockets
- on carriage
- on SMI hydrant

Technical data

Construction	Aluminium-standard construction with hand lifting device
Option	Hydraulic lifting device
Compressor	3,8 kW/5 bar/450 l/min. (onboard mounted)
Central compressor	8–10 bar system pressure/600 l/min. with standard nozzles
Water pressure	15 up to 60 bar
Inlet water	1½" female Kamlok or customer choice
Inlet air	1½" male Kamlok or customer choice
Nozzles	Single ring 4 nozzles (size customer choice) Double ring 6 nozzles (size customer choice)
Oscillator range	360°
Length of stick	4 m, 6 m or 10 m or customer choice
Weight stick	6 m: 25 kg, 10 m: 35 kg
Weight lifting device	25 kg
Heating	not necessary
Noise level	30 m distance: 60 dB(A), 10 m distance: 68 dB(A)
Spray angle	90°
Options	<ul style="list-style-type: none"> • 160° for narrow slopes • a one row nozzle head for lift tracks
Throwing range	5 m up to 20 m without wind 8 m up to 50 m with wind
Options:	<ul style="list-style-type: none"> • Automatic version is managed by SMI Supervision Automatic Software Program • Stand-alone version with onboard compressor and weather station • For sticks at central air supply different air flows are available, which affects relevant the snowmaking production (water flow, snow production and the starting temperature)

Water flow and snow production at standard nozzle assembly

SMI Airstick single ring

Nozzle size	Water flow Snow production in m³/h			
	20 bar		35 bar	
4 x 15..	3.60	4.80	7.90	10.60
4 x 20..	4.80	6.50	10.60	14.30
4 x 30..	7.20	9.60	15.80	21.10

SMI Airstick double ring

Ring 1 ot. 1+2	Nozzle size and combination	Water flow Snow production in m³/h			
		20 bar		35 bar	
1	4 x 15..	3.60	4.80	7.90	10.60
1+2	4 x 15..+ 2 x 20..	6.00	7.00	13.20	15.40
1	4 x 15..	3.60	4.80	7.90	10.60
1+2	4 x 15..+ 2 x 30..	7.20	9.60	15.80	21.20
1	4 x 20..	4.80	6.50	10.60	14.30
1+2	4 x 20..+ 2 x 30..	8.40	11.30	18.50	24.90
1	4 x 20..	4.80	6.50	10.60	14.30
1+2	4 x 20..+ 2 x 40..	9.60	13.00	21.20	28.60

Customized nozzle assembly for water flow and air consumption is possible.

www.snowmakers.ch

