

THE FUTURE OF SNOW

US



VENTUS_{4.0}



www.demacenko.com



DEMAGLENKO

perinfarina

150° -150° -120° 90°

DEMAGLENKO

STATE-OF-THE-ART TECHNOLOGY PRODUCT DESIGN EFFICIENCY TOP PERFORMANCE

The **VENTUS 4.0** is the result of intensive studies on shape and performance, resulting in radical changes. A compact product to facilitate maintenance and service. **VENTUS 4.0** strikes a unique balance between the amount of snow produced and the amount of energy it consumes.

1 **26.8 HP POWER INPUT**

2 **STYLISTIC DESIGN** COMBINES FUNCTIONALITY AND STYLE

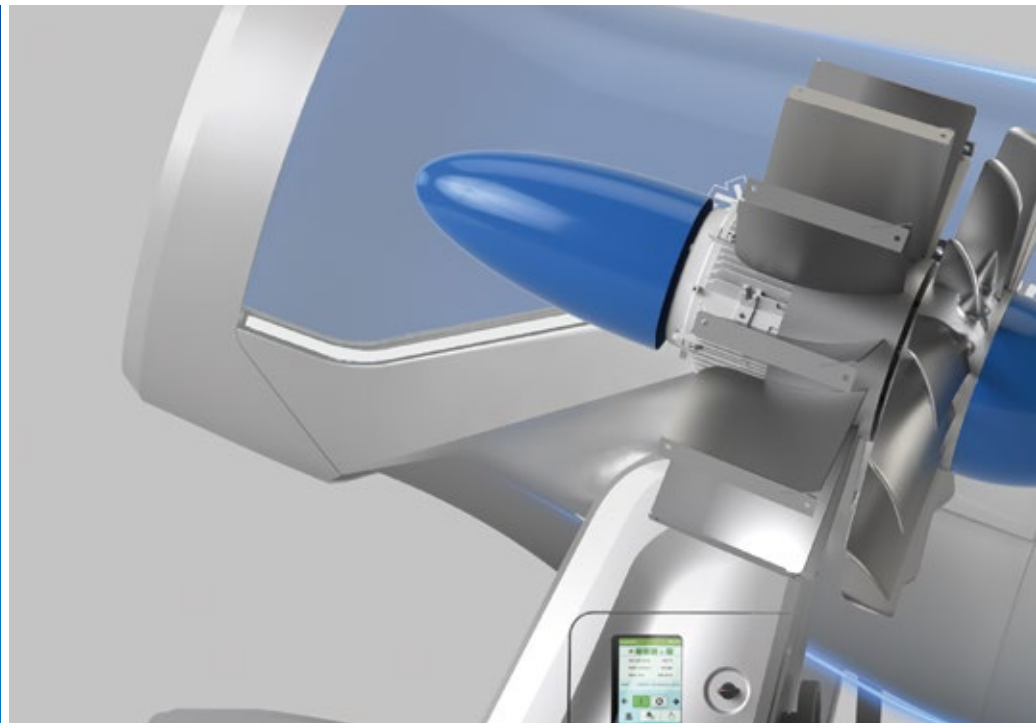
3 **CONTROL CABINET** WITH PROPRIETARY POWER ELECTRONICS – DEMACLENKO CONTROL





VENTUS 4.0

POWER
TECHNOLOGY
DESIGN



VENTUS 4.0 DETAILS

OVERVIEW

- > Compact zinc-coated chassis and legs with wheels
- > Lifting device directly on the frame of the snow gun for a convenient and safe transport by the snow groomer
- > Compact design with low over all weight
- > FRP (fiberglass composite) barrel with aluminum blade
- > Aluminum nozzle ring
- > Water module integrated in the nozzle ring
- > Stainless steel water nozzles and brass alloy nucleators
- > 360° rotation controlled manually or electronically
- > Electrical or manual height adjustment between 0° and 45°
- > Oil-free compressor
- > LED indicator lights built into the casing
- > Force-ventilated weather station
- > User-friendly access to water filter and water module
- > Minimal noise

AUTOMATIC FUNCTIONS

- > Software and operating system available in various languages
- > Fully automatic snow production when operated in a network or in isolation
- > 7" color touchscreen showing water temperature, pressure, water flow, snow quality, air temperature, humidity, electrical consumption as well as statistical data
- > Programmable oscillation from 10° to 330° as well as automatic height adjustment
- > Wind-tracking function integrates with Snowvisual control software (applies to tower- and inclined-elevator-mounted snowguns)

DL CONTROL, THE NEW DEMACLENKO CONTROL CABINET

- > Standard operation via Wi-Fi with a smartphone, tablet or laptop
- > Current-monitored power outputs and surge protection
- > Power electronics designed for 380V/400V/480V and 50Hz/60Hz*
- > Diagnostics via remote maintenance
- > Indication of the current direction as well as real-time current measurement
- > Integrated interface for software update via Ethernet, Wi-Fi or RS485

*Other voltages available upon request



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VENTUS
4.0

TECHNICAL DATA



VENTUS 4.0

	AMK	ATK2 (AT2) ATK3 (AT3)	ASK4 (AS4) ASK6 (AS6)
Height	8'	12.3' 14.7'	18.9' 25.5'
Lenght	6.2'	6'	7.4'
Width	6.1'	4'	4'
Weight fan gun	1299 lbs	1182/1014 lbs	1182/1014 lbs
Weight chassis/tower	264 lbs	187 lbs 220 lbs	989 lbs 1230 lbs

PERFORMANCES

Operation water pressure	115 - 725 PSI
Maximal water flow	143 GPM
Throwing range	230'

ELECTRICAL CHARACTERISTICS

Voltage	480 Volt**
Fan	20 HP (15 kW)
Compressor	5.3 HP (4 kW)
Air flow	21 CFM
Heating, lights and small consumers (average)*	1 kW
Total input power*	26.8 HP (20 kW)
Frequency	60 Hz
Connection plug	60 A

MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	66
Swinging range	360°
Automatic swing	10° - 330°
Barrel inclination	0° - 45°
Connection water	2"
Water filter	60 US-Mesh

*At dew point of 14 F | **Other voltages available upon request

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