

# *VENTUS* 4.0 *BLIZZARD*

THE FUTURE OF SNOW

EN

04/2022



VENTUS „BLIZZARD“

DEMA



# LATEST TECHNOLOGY ENERGY EFFICIENT POWERFUL

**VENTUS 4.0 BLIZZARD** is the optimized new edition of the revolutionary Ventus 4.0, which marked the new era of the 4.0 line at DEMACLENKO when it was launched in 2017 and established new market standards. Like its predecessor, the product impresses with an unbeatable ratio between consumption and performance, as well as ease of maintenance and servicing. **VENTUS 4.0 BLIZZARD** excels with even more sophisticated technology, revised design and improved blower shape, making it the highest quality fan gun in its class.

- 1 SNOW PRODUCTION OF UP TO **90 m<sup>3</sup>/h WITH ONLY 20 kW** INPUT POWER
- 2 INCREASE OF SWITCHING STAGES TO 15 TO **MAXIMIZE EFFICIENCY**
- 3 **OPTIMIZED CAST ALUMINUM NOZZLE RING** THAT REQUIRES LESS HEATING POWER
- 4 THANKS TO THE **INTEGRATED HEAT EXCHANGER**, THE NOZZLE RING IS HEATED AND THE AIR OF THE COMPRESSOR IS COOLED AT THE SAME TIME
- 5 **CONTROL DLC 4.0** ACCORDING TO HIGHEST INDUSTRY STANDARDS



***VENTUS***<sub>4.0</sub>  
***BLIZZARD***

PERFORMANCE  
TECHNOLOGY  
DESIGN





# VENTUS 4.0 BLIZZARD – Details

## OVERVIEW

- > Compact galvanized chassis incl. 3 support legs and optional wheels
- > Snow gun frame mounted lifting device for safe and easy equipment transport by snow groomer
- > Compact minimal weight construction equipped for helicopter high elevation placement
- > FRP blower with aluminum nozzle ring
- > Revised water module with 4 magnetic valves (proven and reliable COAX® technology)
- > Stainless steel water nozzles and brass alloy nucleators
- > 360° rotation controlled manually or electronically
- > Control cabinet with IP55 degree of protection
- > Water module with drainage and central water connection
- > Cooling of the compressed air via the water filter and the nozzle ring
- > Automatic or manual height adjustment 0° and 45°
- > Oil free compressor
- > Three-color LED indicator lamp integrated in the casing
- > Force-ventilated weather station
- > User-friendly access to water filter and water module
- > Fan start via soft starter
- > On request also available with gap filter

## AUTOMATIC FUNCTIONS

- > Software and control options available in different 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° also with automatic barrel height adjustment available
- > Wind-tracking function integrates with Snowvisual control software (applies to snow guns on tower and winch tower)

## DLC 4.0, DEMACLENKO'S HIGH PERFORMANCE CONTROLLER

- > Symmetrical load sharing, no neutral conductor necessary
- > Designed for 380/400/440/480 V - 50/60 Hz\*
- > Efficient cabling via CAN bus
- > Operation via WiFi as standard using smartphone, tablet, laptop
- > Remote maintenance and updates via GSM
- > GPS receiver
- > Proven and weatherproof DEMACLENKO touch display, easy to operate with any type of glove
- > Integrated interfaces Ethernet, WiFi or USB

\*Other voltages available upon request





# Technical data



<b>VENTUS 4.0 BLIZZARD</b>	<b>AMK</b>	<b>ATK2 (AT2) ATK3 (AT3)</b>	<b>ASK4 (AS4) ASK6 (AS6)</b>
Height	2.400 mm	3.735 mm 4.485 mm	5.765 mm 7.765 mm
Length	1.808 mm	1.840 mm	2.170 mm 2.270 mm
Width	1.700 mm	1.215 mm	1.215 mm
Weight fan gun	697 kg (incl. support legs and cables)	524 (460) kg	524 (460) kg
Weight tower/ winch tower		85 kg 100 kg	449 kg 558 kg

## PERFORMANCES

Water pressure	8-50 bar
Maximum water flow	9 l/s
Maximum snow production	90 m <sup>3</sup> /h
Throwing range	70 m

## ELECTRICAL CHARACTERISTICS

Voltage	380 / 400 / 440 / 480 V**
Fan	15 kW
Compressor	4 kW
Heating, lights and small consumers	1 kW*
Total input power	20 kW*
Frequency	50/60 Hz
Connection plug	63 A

## MECHANICAL CHARACTERISTICS

Nucleators	12
Water nozzles	64
Swinging range	360°
Automatic swing	10°-330°
Barrel inclination	0°-45°
Connection water	2"
Water filter	250 μm

\*At dew point of -10 °C | \*\*Other voltages available upon request

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