

*EOS*_{4.0}





ENERGY-EFFICIENT RESOURCE-SAVING FLEXIBLY CONFIGURABLE

With **EOS 4.0**, DEMACLENKO presents its latest generation resource-saving and energy-efficient lance. Years of proven technology go hand in hand with a whole series of innovations to create a product that fully meets the demands of the market. The nozzle head and the control cabinet have been completely redesigned, with even more efficiency and performance increases. Like its predecessor, **EOS 4.0** also boasts impressive versatility: For example, customers can choose between manual and automatic operation, one-stage to eight-stage control or the type of compressed air supply.

- 1 **FAST AND UNCOMPLICATED INSTALLATION** THANKS TO COMPACT, PRE-ASSEMBLED COMPONENTS
- 2 **EASY TRANSPORT** AS WELL AS SIMPLE ASSEMBLY AND DISASSEMBLY DUE TO THE LOW WEIGHT
- 3 **OPTIMIZED DESIGN OF THE NOZZLE HEAD** WITH NEW NOZZLE ARRANGEMENT AND IMPROVED WATER NOZZLES AND NUCLEATORS
- 4 **REFINED CONTROL** BETWEEN THE UP TO **8 POSSIBLE SWITCHING STAGES**
- 5 **FLEXIBLE CONFIGURATION OPTIONS** THAT CAN BE CUSTOMIZED TO MEET INDIVIDUAL REQUIREMENTS AND CUSTOMER PREFERENCES
- 6 **ALSO AVAILABLE IN A POWERFUL DOUBLE-HEAD VERSION** TO ACHIEVE EVEN HIGHER PRODUCTION VOLUMES

EOS_{4.0}

With a water flow rate of 110 US gpm (6.9 l/s), the EOS 4.0 achieves one of the highest values in its class. The double-head lance EOS 4.0 DUO even achieves an unbeatable 127 US gpm (8 l/s).





EOS 4.0 – Details

OVERVIEW

- > Aluminium lance head: brass alloy nucleators and water nozzles with stainless steel inserts
- > Up to 8 control steps
- > Also available as double-head version with 210° spray angle
- > Forced-cooled weather station
- > Cast aluminum valve block with built-in water filter
- > The ball joint allows the lance to be lowered and rotated to any position, without needing to disconnect the water hose
- > The lance can be extended and retracted for maintenance by means of a hydraulic cylinder
- > Available with central pressurized air supply or with oil-free compressor
- > All lance components can be easily installed or removed
- > Lightweight lance pipe made from extruded aluminum
- > LED spotlights
- > Available in automatic or manual control options

AUTOMATIC FUNCTIONS

- > 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
- > Software and operating system available in various languages
- > Water flow control

DLC 4.0, DEMACLENKO'S HIGH PERFORMANCE CONTROLLER

- > Designed for 480 V - 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

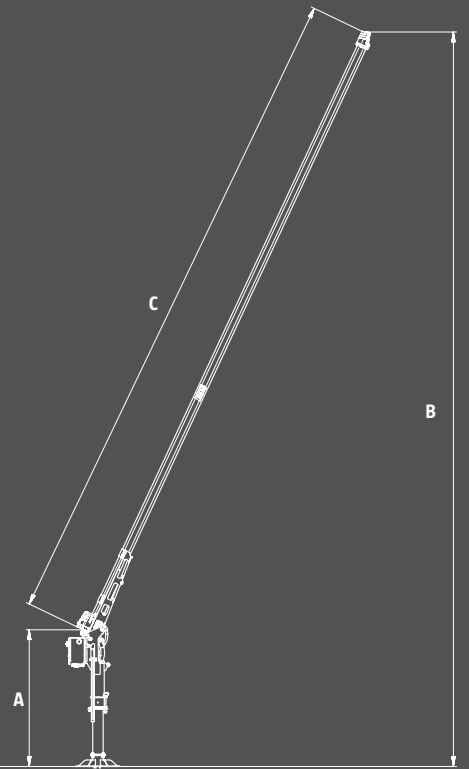
EOS 4.0 – Technical data

EOS 4.0

Lance basis height (A)	6 ft (1,830 mm)
Operating height (B)	max. 32.8 ft (10,000 mm)
Lance tube length (C)	max. 27.6 ft (8,400 mm)
Weight of lance tube incl. head and water module	from 132 lbs (60 kg)
Total weight	267 - 617 lbs (125 - 280 kg)

EOS 4.0 DUO

Lance basis height (A)	6 ft (1,830 mm)
Operating height (B)	max. 31.2 ft (9,500 mm)
Lance tube length (C)	max. 26.2 ft (8,000 mm)
Weight of lance tube incl. head and water module	from 172 lbs (78 kg)
Total weight	309 - 617 lbs (140 - 280 kg)



PERFORMANCES	EOS 4.0	EOS 4.0 DUO
Air consumption	7 - 12.7 CFM (195 - 360 l/min)	17 - 25.5 CFM (480 - 720 l/min)
Water pressure	218 - 870 PSI (15 - 60 bar)	290 - 870 PSI (20 - 60 bar)
Maximum water flow	110 US gpm (6.9 l/s)	127 US gpm (8 l/s)
ELECTRICAL CHARACTERISTICS		
Total input power	0 - 6 HP (0 - 4.5 kW)	0 - 6.4 HP (0 - 4.8 kW)
Voltage	480 V*	480 V*
Compressor	5.4 HP (4 kW)	5.4 HP (4 kW)
Heating, lights and small consumers (0 - 100%)	0 - 0.35 kW	0 - 0.65 kW
Frequency	60 Hz	60 Hz
MECHANICAL CHARACTERISTICS		
Nucleators	3	6 (2x3)
Water nozzles	3-12	18 (2x9)
Water filter	60 US-Mesh (250 μ m)	60 US-Mesh (250 μ m)

*Other voltages available upon request



DEMACLENKO HEADQUARTERS

DEMACLENKO IT SRL
Via Gabriel Leitner 1A
IT - 39049 Vipiteno
Tel.: +39 0472 061601

DEMACLENKO TRENTINO

DEMACLENKO TRENTINO SRL
Via Broletti 18
IT - 38050 Castelnuovo
Tel.: +39 0461 1975299

DEMACLENKO AUSTRIA & GERMANY

DEMACLENKO GMBH
Michael-Seeber-Straße 1
AT - 6410 Telfs
Tel.: +43 5262 621 21 3405

DEMACLENKO SWITZERLAND

DEMACLENKO SCHWEIZ GMBH
Im Ehrmerk 11
CH - 8362 Wallenwil
Tel.: +41 (0) 71 9714866

DEMACLENKO FRANCE

LEITNER FRANCE SAS
Voie Galilée - Zone d'activité d'Alpespace CS 50001
FR - 73000 Porte-de-Savoie (Montmélian)
Tel.: +33 (0) 4 79 84 77 77

DEMACLENKO SPAIN

TELEFERICOS Y NIEVE S.L.
Plaça de Gal·la Placídia 5-7, 14º, Esc. C
ES-08006 Barcelona
Tel.: +34 932 176 995

DEMACLENKO CENTRAL & EASTERN EUROPE

DEMACLENKO SP. Z O.O.
Cieszyńska 444
PL - 43300 Bielsko-Biała
Tel.: +48 (0) 338 224 062

DEMACLENKO AMERICA - EASTERN OFFICE

DEMACLENKO AMERICA INC
2 Whitney Road, Unit 1
US - Concord, NH 03301
Tel.: +1 603 267 7840

DEMACLENKO AMERICA - WESTERN OFFICE

DEMACLENKO AMERICA INC
2746 Seeber Drive
US - Grand Junction, CO 81506
Tel.: +1 970 241 4442

DEMACLENKO CHINA

POMA BEIJING ROPEWAY CO LTD
Nr. 57 Mang Niu He Road - Huairou District
CN - 101407 Beijing
Tel.: +86 010 6166 6966

DEMACLENKO OCEANIA

LEITNER OCEANIA LTD
14/26 Glenda Drive, Frankton
NZ - 9371 Queenstown
Tel.: +64 (0) 21 138 2928