



MICROCLEAN 2

ACCESSORY CATALOG



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Dry Ice Cleaning Equipment

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Notes

- i³ MicroClean 2 dry ice cleaning systems use dry ice blocks and 3 mm dry ice pellets for the DX model
- Air consumption data listed for all parts are approximate and without guarantee
- Blasting pressure can differ from the operating pressure and can vary during use
- For technical questions, please consult Cold Jet application engineers

General Contact Information

USA Global Headquarters:	+1 513 831 3211 +1 800 337 9423
Latin America:	+52 (81) 1097 0445
Germany:	+49 (0) 6551 9606 0
Europe Headquarters:	+32 (0) 13 53 95 47
Middle East:	+32 (0) 13 53 95 47
Canada:	+1 800 337 9423 x501
Asia/Pacific:	+81 3 6869 2665

Customer Support:

United States/Canada:	+1 800 777 9101
Europe:	+32 (0) 13 53 96 59
Germany:	+49 (0) 6551 9606 14
All other locations:	+1 513 576 8981

After-Hours HOTLINE

United States/Canada:	+1 800 777 9101
All other locations:	+1 513 576 8981

Email:

United States & all other locations:	service@coldjet.com
Europe:	service.eu@coldjet.com
Latin America:	soporte@coldjet.com
Asia/Pacific:	service.apac@coldjet.com



MICROCLEAN 2

i³ MicroClean 2[®]



DIMENSIONS

Length x Width x Height:

FULL SYSTEM

78 x 62 x 120 cm

(31 x 25 x 47 in)

Weight: 86 kg (190 lb)

MACHINE ONLY

78 x 48 x 51.5 cm

(31 x 19 x 21 in)

Weight: 60.5 kg (133.38 lb)

CART ONLY

64 x 56 x 68 cm

(25 x 22 x 27 in)

Weight: 25.5 kg (56.2 lb)

POWER REQUIREMENTS

50/60 Hz (110/240V AC)

DRY ICE CAPACITY

11 kg (25 lb)

FEEDER SYSTEM

Shaved dry ice
use blocks or pellets

HMI DISPLAY

7 in LCD Color Screen (17.8 cm)

FEED RATE

0 – 0.7 kg/min (0-1.5 lb/min)

BLAST PRESSURE RANGE

1.4-10 bar (20-145 psi)

COMPRESSED AIR SUPPLY

3.4 – 10 bar (50-145 psi)

NOZZLE AIR CONSUMPTION

0.3 – 1.4 m³/min (12 – 50 cfm)

at 5.5 bar (80 psi)

BLAST FLOW PATH

1.3 cm (0.5 in)

*Compliant with the EU Machinery Directive
(CE) and UL Design Standard*

Nozzles

Cold Jet's advanced and patented line of nozzles are designed to maximize performance and precision. Broad or precise cleaning, hard to reach areas or working in a confined space, our line of nozzles will exceed your expectations. Recommended operating parameters are shown in the tables for each nozzle.

Precision Applicator Nozzles


These precision nozzles have standard air consumption rates of 50 cfm or less at 80 psi (1.4m³/min @ 5.5 bar) for use with the MicroClean 2.



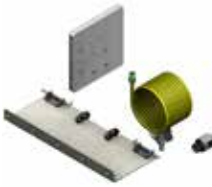


Nozzle	Part #	Air Consumption	Blast Swath	Dry Ice Feed Rate	Length	Material
(MC13) Yellow	13865-126	0.3 m ³ /min 5.5 bar (12cfm @80 psi)	0.3 cm (0.13 in)	0.05-0.2 kg/min (0.1-0.4 lbs/min)	15.2 cm (6 in)	Plastic
(MC19) White	5E0478	0.8 m ³ /min 5.5 bar (30cfm @80 psi)	0.5 cm (0.19 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	15.2 cm (6 in)	Plastic
(MC31) Blue	13865-506	1.5 m ³ /min 5.5 bar (50cfm @80 psi)	0.8 cm (0.31 in)	0.2-0.7 kg/min (0.5-1.5 lbs/min)	15.2 cm (6 in)	Plastic
Fan Nozzles						
(MC47)	5E0220	0.7 m ³ /min 5.5 bar (25cfm @80 psi) Fan	1.2 cm (0.47 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	15.2 cm (6 in)	Plastic & Aluminum
(MC28)	5E0218	0.7 m ³ /min 5.5 bar (25cfm @80 psi) Fan	0.7 cm (0.28 in)	0.1-0.5 kg/min (0.2-1 lbs/min)	15.2 cm (6 in)	Plastic & Aluminum
(MC35)	5E0219	0.7 m ³ /min 5.5 bar (25cfm @80 psi) Fan	0.9 cm (0.35 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	15.2 cm (6 in)	Plastic & Aluminum
(MC88F)	5E0254	0.7 m ³ /min 5.5 bar (25cfm @80 psi) Fragmenting Fan	2.2 cm (0.88 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	12.7 cm (5 in)	Plastic & Aluminum
(MC88)	5E0532	0.8 m ³ /min 5.5 bar (30cfm @80 psi) Fan	2.2 cm (0.88 in)	0.2-0.5 kg/min (0.5-1.2 lbs/min)	12.7 cm (5 in)	Plastic & Aluminum
Angled Nozzles						
(MC25A45)	5E0223	0.7 m ³ /min 25cfm	0.6 cm (0.25 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	15.2 cm (6 in)	Plastic
(MC25A90)	5E0227	0.7 m ³ /min 25cfm	0.6 cm (0.25 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	15.2 cm (6 in)	Plastic
Advanced Nozzles						
(MC26M)	5E0284	1.0 m ³ /min 35cfm	0.7 cm (0.26 in)	0.1-0.5 kg/min (0.2-1.0 lbs/min)	12.7 cm (5 in)	Plastic & Aluminum








Nozzle	Part #	Air Consumption	Blast Swath	Dry Ice Feed Rate	Length	Material
(MC29MH)	5E0248	1.5 m ³ /min 50cfm	0.7 cm (0.29 in)	0.2-0.7 kg/min (0.5-1.5 lbs/min)	15.2 cm (6 in)	Plastic & Aluminum

Applicators

Product	
	<p>MicroClean 2 Precision Applicator, 1/2"</p> <ul style="list-style-type: none"> • Lightweight and compact design allows for easy use in tight-access applications • Ergonomically designed applicator allows for greater ease of use and increased control of blasting helping to reduce arm fatigue • Membrane switches that are smaller, more responsive and more reliable • Hopper level indicator that alerts the user when the dry ice supply is getting low • Two built-in, industrial grade lights offer three dimming options to illuminate surfaces • Designed for both right and left handed users
	Part #: 2E1063

Accessories

Product	
	<p>DX Kit</p> <p>Enables the MicroClean 2 to use pellets or nuggets</p> <ul style="list-style-type: none"> • Preconfigured for easy installation • Works with nuggets and pellets
	Part #: 2K0321
	<p>Extension Tubes</p> <ul style="list-style-type: none"> • Used to extend nozzles • Connects directly to nozzle and applicator • Available in three lengths: <ul style="list-style-type: none"> • 5" (12.7 cm) • 10" (25.4 cm) • 15" (38.1 cm)
	Part #: 3E0974-5
	Part #: 3E0974-10
	Part #: 3E0974-15
	<p>Rotary Adaptor</p> <ul style="list-style-type: none"> • Used to rotate nozzles • 3/8" (.95 cm) JICF to JICM • Lightweight • Hard-coat anodized Aluminum
	Part #: 2N0189

Product	
	<h3>Angle Adaptors</h3> <ul style="list-style-type: none"> • Allows any MicroClean nozzle to be used at a 45 or 90 degree angle for tight-access cleaning • Machined to offer free particle flow through angle • Use with any MicroClean nozzle extension to manage variability (5", 10" or 15")
	Part #: 3N0066 (45 Degree)
	Part #: 3N0067 (90 Degree)
	<h3>Whip Check</h3> <ul style="list-style-type: none"> • Protects operator should a hose disconnection occur • Recommended to have one whip check for each hose connection
	Part #: 4Z0051
	<h3>Extension Cord & Reel</h3> <ul style="list-style-type: none"> • 50' (15.2 m) of electrical power cord used when additional length of cord is necessary * <i>Contact Customer Service for other voltage options</i>
	Part #: 2H0017-G1 (110 Volts)
	<h3>Screen Protector</h3> <p>The anti-reflective screen protector can be installed over the 7" LCD color screen of MicroClean 2 machines in order to eliminate glare from the sun, lights and other reflective surfaces</p> <ul style="list-style-type: none"> • The protector also offers a level of protection against scratches • The screen protector is easily removable and replaceable
	Part #: 3J3736
	<h3>Safety Kit</h3> <p>Meets United States Occupational Safety & Health Association (OSHA) requirements for operator noise protection (with the use of properly rated and worn ear plugs) Kit includes the following:</p> <ul style="list-style-type: none"> • 100 sets of ear plugs • 2 ear protectors • Eye protector shield • Gloves • Block handler
	Part #: 2Z0001-1 - Safety Kit with Block handler
	<h3>DX Safety Kit</h3> <p>The PPE kit meets OSHA requirements for operator noise, eye and hand protection. The kit includes:</p> <ul style="list-style-type: none"> • Fully lined synthetic leather gloves that are elasticated 360° for flexibility • Clear anti-fog lens eyewear branded with the Cold Jet logo • Howard Leight Thunder T3 earmuffs • Plastic scoop for dry ice
	Part #: 2Z0036
	<h3>Power Cord</h3> <p>Custom durable power cord replacement</p> <ul style="list-style-type: none"> • America/Japan 110V • European 220V
	Part #: 2G1591 Plug & Cord, 110 Volt
	Part #: 2G1592 Plug & Cord, 220 Volt

Product	
	<p>MicroClean 2 Control Cable Used to connect an i3 MicroClean 2 machine, applicator or to an applicable accessory</p> <p>Part #: 4G2477 14-Pin Control Cable; (12' - 3.7 m)</p>
	<p>Block Handler Allows for easy handling of Dry Ice Block</p> <p>Part #: 70540-001</p>
	<p>Ice Press</p> <ul style="list-style-type: none"> • High quality blocks • Uses pellet, nugget or scrap ice • Controlled outcome every time • 20 blocks/hr • Low noise operation • Rugged construction • Mobile design <p>Part #: 2A0168</p>
	<p>MicroClean 2 Cart</p> <ul style="list-style-type: none"> • Aluminum frame with stainless steel panels • Contains two separate store areas: • Top drawer pullout can hold an applicator, nozzles, fittings, and control cable • Bottom cabinet doors can be opened to hold sections of blast hose and air hose <p>Part #: 2A0389 Standard Cart</p>
	<p>MicroClean 2 ThermoCart</p> <ul style="list-style-type: none"> • Aluminum frame with stainless steel panels • Contains two separate store areas: • Top drawer pullout can hold an applicator, nozzles, fittings, and control cable • Bottom drawer is insulated and can store dry ice <p>Part #: 2A0525 ThermoCart</p>
	<p>Blast Hose Assembly</p> <ul style="list-style-type: none"> • 3/8" (9.5 mm), 12' (3.7 m) proprietary blast hose section with control cable and bonding cable • 1/2" (12.7 mm), 12' (3.7 m) proprietary blast hose section with control cable and bonding cable • Flexible rubber blast hose with control cable and bonding cable <p>Part #: 2N0602 Rubber Blast Hose 3/8 in</p> <p>Part #: 2N0588 Rubber Blast Hose 1/2 in</p>
	<p>Air Hose</p> <ul style="list-style-type: none"> • 1/2" (12.7 mm) ID, 25' (7.6 m) length. Used to carry pressurized air from air source to blast unit. Includes quick disconnects <p>Part #: 2N0184</p>

Global Headquarters
Loveland, OH USA
+1 800 337 9423

European Headquarters
Zellik, Belgium
+32 (0) 13 53 95 47

Asia Headquarters
Tokyo, Japan
+81 3 6869 2665

Cold Jet locations worldwide:
www.coldjet.com/offices

www.coldjet.com
Americas. EMEA. Asia-Pacific.