



MICROCLEAN[®]

PRODUCT CATALOG



This catalog contains all of Cold Jet's i³ MicroClean[®] product offerings and all part numbers that were current at the time of catalog production.

Images shown are for representative purposes only.

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Contact your Cold Jet representative for the most current information.

Business Hours:

Monday - Friday

8:30 am - 5 pm local time

Business Offices		Customer Service	
USA:	+1 513.831.3211 +1 800.337 9423 info@coldjet.com	USA (24 Hours)	+1 800 777.9101 service@coldjet.com
Canada:	+1 800.337.9423 x 501	Canada Business Hours:	+1 800.337.9423 x 501
		After Hours:	+1 800 777.9101
Germany:	+49 (0)6551 9606.0	Germany Business Hours:	+49 (0)6551 9606.0
		After Hours:	+1 513 576.8981
Europe:	+32 (0)13 53 95 47 info.eu@coldjet.com	Europe/Belgium Business Hours:	+32 (0)13 53 95 47
		After Hours:	+1 513 576.8981 service.eu@coldjet.com
Latin America:	+52 (81)10 97 0445	Latin America Business Hours:	+52 (81)10 97 0445
		After Hours:	+1 513 576.8981
Middle East:	+32 (0)13 53 95 47	Middle East Business Hours:	+32 (0)13 53 95 47
		After Hours:	+1 513 576.8981
Asia:	+81 3 4360 8347		

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MICROCLEAN[®]

This unique cleaning system capitalizes on Cold Jet's patented shaved ice and feeder technologies to deliver a complete precision cleaning solution. It is an ergonomic and intuitive system that utilizes a readily available blast medium, and is fast, effective and proven reliable. Its unparalleled low air and ice consumption provides cost-effective operation in an almost noise-free environment.

The i³ MicroClean system includes:

- i³ MicroClean blast machine
- One length of dry ice blast hose
- One length of air hose
- Applicator
- Customer-specified nozzles (MC35 where none is specified)
- Transport cart



Handles Block Sizes:

6" x 6" x 12"

(150 mm x 150 mm x 300 mm)

or

5" x 5" x 10"

(127 mm x 127 mm x 254 mm)

(with available insert)

SPECIFICATIONS

Hopper capacity	approximately 20 lbs (9.1 kg) capacity
Variable feed rate	0 to 1.2 lbs/min (0 to 0.6 kg/min)
Blast pressure range	20 to 140 psi (1.4 to 9.7 bar)
Air supply pressure range	50 to 140 psi (3.4 to 9.7 bar)
Weight.....	130 lbs (59 kg)
Size (L x W x H).....	22" x 16" x 21" (56 cm x 41 cm x 53 cm)
Power.....	100-140 VAC, 1 Ø 50/60 Hz, 5 amps (200-240 VAC, 1 Ø 50/60 Hz, 5 amps)

Internal air filter designed to remove water, oil, rust and other articles from the air supply
12-month warranty (extended warranty packages available)

Standard Blast Applicator

Our lightweight, ergonomic design with high visibility lighting enabling blasting at various angles and in any environment. High intensity LED lights on applicator face light up dark surfaces being cleaned. Includes air-only feature and safety switch.

Part #: 2E0492 - Applicator



Nozzles

Full-pressure precision blast nozzles.

Air consumption rates indicated are based on standard 80 psi (5.5 bar) blast pressure.

Precision Nozzles

12 CFM (0.3 m³/min)
Yellow color
Blast swath 0.13" (3.2 mm)
6" (15 cm) length
Part #: 13865-126



25 CFM (0.7 m³/min)
White color
Blast swath 0.19" (4.7 mm)
6" (15 cm) length
Part #: 13865-256

50 CFM (1.5 m³/min)
Blue color
Blast swath 0.31" (7.9 mm)
6" (15 cm) length
Part #: 13865-506

Advanced Nozzles

Nozzles using advanced MERN technology for superior performance.

35 CFM (1.0 m³/min) MERN
Blast swath 0.26" (6.6 mm)
5" (12.7 cm) length
Part #: 5E0284 (MC26M)



50 CFM (1.5 m³/min) MERN
Blast swath 0.29" (7.4 mm)
6" (15 cm) length
Part #: 5E0248 (MC29MH)

Fan Nozzles

25 CFM (0.7 m³/min) Fan
Blast swath 0.35" (8.9 mm)
6" (15 cm) length
Part #: 5E0219 (MC35)



25 CFM (0.7 m³/min) Fan
Blast swath 0.47" (11.9 mm)
6" (15 cm) length
Part #: 5E0220 (MC47)

30 CFM (0.9 m³/min) Fan
Blast swath 0.88 in (22 mm)
5" (12.7 cm) length
Part #: 5E0241 (MC88)



25 CFM (0.7 m³/min) Fragmenting Fan
Blast swath 0.88" (22 mm)
5" (12.7 cm) length
Part #: 5E0254 (MC88F)

Angled Nozzles

Recommended for use with 0.38" (0.97 cm) Rotary Union Part #: 2N0189

45° Angled Nozzle
Blast swath 0.25" (6 mm)
1" (2.54 cm) cavity opening
6" (15 cm) length
Part #: 5E0223 (MC25A45)



90° Angled Nozzle
Blast swath 0.25" (6 mm)
1" (2.54 cm) cavity opening
6" (15 cm) length
Part #: 5E0227 (MC25A90)

Nozzle Accessories

Extension Tubes

- Used to extend nozzles
- Connects directly to nozzle and applicator
- Available in three lengths:
 - 5" (12.7 cm)
 - 10" (25.4 cm)
 - 15" (38.1 cm)

Part #: 3E0974-Length



Rotary Union

- Used to rotate nozzles
- 3/8" (9.5 mm) JICF to JICM
- Lightweight
- Hard-coat anodized Aluminum

Part #: 2N0189



Angle Adapters

- 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)



Hoses

Blast Hose Assembly*

3/8" (9.5 mm), 12' (3.7 m) proprietary blast hose section with control cable and bonding cable.

Part #: 2N0220-G2

Silicone Hose

Flexible silicone blast hose with control cable and bonding cable.

Part #: 2N0217



Air Hose

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.

Part #: 2N0184



*Bond Cable Shaft Collar

One shaft collar is required per hose run.

Part #: 3N0086 (13/16" bore for 3/8" hose)

Accessories

Block Handler

Allows for easy handling of Dry Ice Block.

Part #: 70540-001



Mobility/Storage Cart

Basic Mobility Cart and Ice Storage Cooler

Basic frame cart for transport, comes standard with machine and includes ice storage cooler.

Part #: 2Z0013 (shown)

Replacement ice cooler

Ice Storage cooler only.

Part #: 3Z0083



Safety Accessories

Safety Kit

- 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:
 - 100 sets of ear plugs
 - 2 ear protectors
 - Eye protector shield
 - Gloves
 - Block handler

Part #: 2Z0001-1 - Safety Kit with Block handler



Foot Switch

Eliminates the need for hand-held control switch. Allows nozzle to be attached directly to the blast hose for better ergonomics. "Deadman style" safety foot pedal.

Part #: 2G1299





USA: +1 800.337.9423 • BELGIUM: +32 (0)13 53 95 47 • GERMANY: +49 (0)6551 9606 0
CANADA: +1 800.337-9423 x501 • LATIN AMERICA: +52 (81)10 97 0445
MIDDLE EAST: +32 (0)13 53 95 47 • ASIA: +81 3 4360 8347

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