



**MICROCLEAN<sup>®</sup>**

PRODUCT CATALOG



This catalog contains all of Cold Jet's i<sup>3</sup> MicroClean<sup>®</sup> 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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# 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 i<sup>3</sup> MicroClean system includes:

- i<sup>3</sup> 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 m<sup>3</sup>/min)  
Yellow color  
Blast swath 0.13" (3.2 mm)  
6" (15 cm) length  
**Part #: 13865-126**

25 CFM (0.7 m<sup>3</sup>/min)  
White color  
Blast swath 0.19" (4.7 mm)  
6" (15 cm) length  
**Part #: 13865-256**

50 CFM (1.5 m<sup>3</sup>/min)  
Blue color  
Blast swath 0.31" (7.9 mm)  
6" (15 cm) length  
**Part #: 13865-506**



### Fan Nozzles

25 CFM (0.7 m<sup>3</sup>/min) Fan  
Blast swath 0.35" (8.9 mm)  
6" (15 cm) length  
**Part #: 5E0219 (MC35)**

25 CFM (0.7 m<sup>3</sup>/min) Fan  
Blast swath 0.47" (11.9 mm)  
6" (15 cm) length  
**Part #: 5E0220 (MC47)**

30 CFM (0.9 m<sup>3</sup>/min) Fan  
Blast swath 0.88 in (22 mm)  
5" (12.7 cm) length  
**Part #: 5E0241 (MC88)**

25 CFM (0.7 m<sup>3</sup>/min) Fragmenting Fan  
Blast swath 0.88" (22 mm)  
5" (12.7 cm) length  
**Part #: 5E0254 (MC88F)**

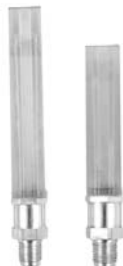


### Advanced Nozzles

*Nozzles using advanced MERN technology for superior performance.*

35 CFM (1.0 m<sup>3</sup>/min) MERN  
Blast swath 0.26" (6.6 mm)  
5" (12.7 cm) length  
**Part #: 5E0284 (MC26M)**

50 CFM (1.5 m<sup>3</sup>/min) MERN  
Blast swath 0.29" (7.4 mm)  
6" (15 cm) length  
**Part #: 5E0248 (MC29MH)**



### 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



# 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



## Warranty Information

Cold Jet® (“CJ”) warrants its products (“Equipment”) provided under this Agreement to be free from defects in materials and workmanship for a period of 12 months, under normal use, maintenance and service as stipulated in the Operator’s Manual. CJ warrants that the equipment will be in good working order on the Date of Shipment and will conform to CJ’s official published specifications.

The warranty period is 12 months for CJ manufactured Equipment. Original Equipment Manufacturers’ warranties provided by CJ on equipment purchased under this Agreement not manufactured by CJ will be passed through to the Buyer. The warranty period commences on the Date of Shipment of the Equipment.

CJ’s liability is limited to repairing or replacing, at its option, any covered part of its Equipment, which CJ has determined to be defective. Said repair or replacement will be made by CJ or its authorized representative free of charge to the Buyer, except for any freight or travel expenses, during the warranty period. Any replaced part will become the property of CJ. If, after repeated efforts, CJ is unable to restore its Equipment to good working order, or to replace the defective parts as warranted, CJ may, at its discretion, replace the Equipment in its entirety. Any claim must be made to CJ, in writing, within 30 days of discovering the defect and any claim not made within that period shall be deemed waived or released, and thus denied.

Warranty service provided under this Agreement does not assume uninterrupted operation of the Equipment. The suitability of the equipment for the purpose intended is not included in the warranty.

This warranty shall not apply and CJ shall be neither responsible nor liable for:

- a) Consequential, collateral or special losses or damages;
- b) Equipment conditions caused by abnormal conditions of use, accident, neglect or misuse of equipment, improper storage or damages resulting during shipment as determined by CJ;
- c) The replacement of normal wear items, including but not limited to air, blast and whip end hoses;
- d) Deviation from the Equipment’s prescribed maintenance programs, replacement parts, operating instructions, specifications or other terms of sale;
- e) Labor charges, loss or damage resulting from improper operation, maintenance or repairs made by person(s) other than CJ or CJ-authorized service representatives;
- f) Improper application of the product. In no event shall CJ be liable for claims in excess of the purchase price, whether there is a breach of contract or warranty claim of negligence or negligent manufacture.

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