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. Products may vary from the images displayed. Cold Jet will always ship the latest version of each part. Invoices will always reflect the latest revision level numbers. Cold Jet is not liable for typographical errors or changes to specifications presented. Check www.coldjet.com for the most recent version of this document. Contact your Cold Jet representative for the most current information.

Business Offices

USA: +1 513.831.3211
   +1 800.337 9423
   info@coldjet.com

Canada: +1 800.337.9423 x 501

Germany: +49 (0)6551 9606.0

Europe: +32 (0)13 53 95 47
   info.eu@coldjet.com

Latin America: +52 (81)10 97 0445

Middle East: +32 (0)13 53 95 47

Japan: +81 3 6869 2665

Business Hours:
Monday - Friday
8:30 am - 5 pm local time

Customer Service

USA (24 Hours) +1 800 777.9101
   service@coldjet.com

Canada
Business Hours: +1 800.337.9423 x 501
   After Hours: +1 800 777.9101

Germany
Business Hours: +49 (0)6551 9606.0
   After Hours: +1 513 576.8981

Europe/Belgium
Business Hours: +32 (0)13 53 95 47
   After Hours: +1 513 576.8981
   service.eu@coldjet.com

Latin America
Business Hours: +52 (81)10 97 0445
   After Hours: +1 513 576.8981

Middle East
Business Hours: +32 (0)13 53 95 47
   After Hours: +1 513 576.8981

©Copyright Cold Jet, LLC 2010 (10.01.2013)

“Cold Jet” and “i³ MicroClean” are registered trademarks of Cold Jet, LLC
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

i³ MicroClean Deluxe (DX)
Experience Cold Jet’s patented shaved MicroParticle technology with your i³ MicroClean Deluxe (DX), an optional upgrade that shaves both pellets and nuggets. MicroParticles allow you to clean and prepare surfaces with more precision, more delicacy, less air and less noise than traditional dry ice pellet blasters. Understanding and operating the i³ MicroClean with pellets or nuggets is simple.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hopper capacity</td>
<td>approximately 20 lbs (9.1 kg) capacity</td>
</tr>
<tr>
<td>Variable feed rate</td>
<td>0 to 1.2 lbs/min (0 to 0.6 kg/min)</td>
</tr>
<tr>
<td>Blast pressure range</td>
<td>20 to 140 psi (1.4 to 9.7 bar)</td>
</tr>
<tr>
<td>Air supply pressure range</td>
<td>50 to 140 psi (3.4 to 9.7 bar)</td>
</tr>
<tr>
<td>Weight</td>
<td>130 lbs (59 kg)</td>
</tr>
<tr>
<td>Size (L x W x H)</td>
<td>22”x 16” x 21” (56 cm x 41 cm x 53 cm)</td>
</tr>
<tr>
<td>Power</td>
<td>100-140 VAC, 1 Ø 50/60 Hz, 5 amps</td>
</tr>
<tr>
<td></td>
<td>(200-240 VAC, 1 Ø 50/60 Hz, 5 amps)</td>
</tr>
<tr>
<td>Handles Block Sizes:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6”x 6” x 12” (150 mm x 150 mm x 300 mm)</td>
</tr>
<tr>
<td></td>
<td>5”x 5” x 10” (127 mm x 127 mm x 254 mm)</td>
</tr>
<tr>
<td>Internal air filter</td>
<td>designed to remove water, oil, rust and other articles from the air supply</td>
</tr>
<tr>
<td>12-month warranty (extended warranty packages available)</td>
<td></td>
</tr>
</tbody>
</table>
MicroClean Applicator
Our applicator is light weight, ergonomically designed with high visibility lighting that enables blasting at various angles and in any environment. High intensity LED lights on the applicator face provide ample lighting for dark surfaces being cleaned. Includes air-only feature and safety trigger switch.
Part #: 2E0881 - MicroClean 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 (MC13)

30 CFM (0.8 m³/min)
White color
Blast swath 0.19” (4.7 mm)
6” (15 cm) length
Part #: 5E0478 (MC19)

50 CFM (1.5 m³/min)
Blue color
Blast swath 0.31” (7.9 mm)
6” (15 cm) length
Part #: 13865-506 (MC31)

Fan Nozzles
25 CFM (0.7 m³/min) Fan
Blast swath is .28” (0.7 cm)
6” (15.2 cm) length
Part #: 5E0218 (MC28)

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)

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

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)

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)
**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 #: 2N0455-G2

Silicone Hose
Flexible silicone blast hose with control cable and bonding cable.
Part #: 2N0217

*Bond Cable Shaft Collar
One shaft collar is required per hose run.
Part #: 3N0086 (13/16" bore for 3/8" hose)

**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)

**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

**Accessories**

**Block Handler**
Allows for easy handling of Dry Ice Block.
Part #: 70540-001

**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 #: 220001-1 - 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

**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 #: 80748-001-A (shown)

Replacement ice cooler
Ice Storage cooler only.
Part #: 3Z0083

---

**Download**

PC.MC.160527
The i³ MicroClean Deluxe (DX) is available as a new unit or upgrade option.

- A unique pusher plate is installed to ensure consistent pellet and nugget media feeding
- Secondary door prevents free media from falling out of the hopper
- Simplified feed rate dial
- Compressed air nozzle to eliminate moisture in the trough

<table>
<thead>
<tr>
<th>DRY ICE CAPACITY</th>
<th>VARIABLE FEED RATE</th>
<th>AIR CONSUMPTION RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pellets/Nuggets: 9 lbs/4kg</td>
<td>0-0.5 lbs/min (0-0.23 kg/min)</td>
<td>30-50 scfm @ 80psig (0.85-1.4m³/min @ 5.5bar)</td>
</tr>
<tr>
<td></td>
<td>Will vary, dependent on pellet/nugget size and age</td>
<td>Dependent on nozzle selection</td>
</tr>
</tbody>
</table>

Making your own dry ice blocks on demand has never been easier. The revolutionary Cold Jet i³ IcePress creates a consistent high-quality dry ice block from pellets, nuggets and/or scrap dry ice in under three minutes.

- High quality blocks
- Uses pellet, nugget or scrap ice
- Controlled outcome every time
- 20 blocks/hr
- Low noise operation
- Rugged construction
- Mobile design

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>WEIGHT</th>
<th>BLOCK WEIGHT</th>
<th>AIR PRESSURE RANGE</th>
<th>BLOCK SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 x 25 x 43 in</td>
<td>215 lbs</td>
<td>14.5 lbs</td>
<td>80 - 250 psi</td>
<td>5.75 x 5.75 x 10 in</td>
</tr>
<tr>
<td>54 x 65 x 109 cm</td>
<td>97.5 kg</td>
<td>6.6 kg</td>
<td>5.5 - 17.2 bar</td>
<td>14.6 x 14.6 x 25.4 cm</td>
</tr>
</tbody>
</table>