

COLDZERO™

DRY ICE

FROM
**CENTRAL
McGOWAN**

SUPERIOR COLD TECHNOLOGY FOR MEDICAL CLEANING, TRANSPORT AND STORAGE APPLICATIONS WITH ZERO RESIDUE. IT DOES THE JOB AND THEN IT'S GONE. ZERO WASTE. ZERO WATER. ZERO WAIT.



**MADE FRESH DAILY
TO ORDER**

Local Supply

**Convenient
Delivery & Pickup**

**From a Trusted
Gas Expert**

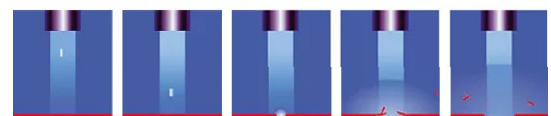
Newest Technology

**Highest Density
Rice Available**

ColdZERO is manufactured by Central McGowan—a leading supplier of industrial, welding, medical, and food & beverage gases since 1947.

- ✓ Made using **the newest dry ice technology from Cold Jet®**, a leading supplier of high-capacity dry ice production equipment for **the highest density** dry ice rice available.
- ✓ **Superior** to sand, soda, water, solvents/chemicals, or power/hand tools in terms of cleaning performance, efficacy, efficiency and ease of use.
- ✓ **Far more cooling** power than water ice pound for pound.
- ✓ **Locally made daily to order** for maximum freshness, shelf life and cooling/cleaning power.
- ✓ For orders of 500-lbs. and larger, we offer:
 - **Same-Day Delivery & Pickup** available
 - **Delivery in Reusable, Rolling Insulated Totes** for easy pickup and transport, lined with plastic to ensure purity)
 - **Volume-based Pricing** for greater value
- ✓ Orders <500-lbs.:
 - **Can be Ordered by the Pound** for pick up at any of our distribution locations or retail stores for \$1.50/lb.
 - **Shipping Boxes** (13" x 13") available for purchase

**Totes hold up to 500 lbs. and
measure 27" D x 42 1/4" W x 40 1/4" T.**



Available in Standard & Custom Forms to Fit Your Application

MORE



BLOCKS



NUGGETS



RICE



CUT TO ORDER IN VARIABLE SIZES & TYPES (Bricks, Slices, Slabs)
Part #: CDI BLOCK

APPROX. 5/8-INCH PIECES
Part #: CDI NUGGET

APPROX. 1/8-INCH PIECES
Part #: CDI RICE

For medical MANUFACTURING & CLEANING.

Dry ice can be used in medical manufacturing to clean delicate and intricate devices, molds and tools instantly; and to de-flash and deburr parts/components. This is important for meeting the stringent medical industry quality and consistency requirements.

- **More effective, quicker clean** for fewer cleaning cycles, longer runtimes, less downtime.
- **No disassembly/reassembly** so machines can be cleaned in place.
- **Non-abrasive, nonflammable and nonconductive** so it's safe for most substrates, electrical components and delicate/intricate devices.
- **Works in tight spaces** better than other methods.
- **No harsh chemicals or residues** for longer mold and equipment life.
- **Non-toxic, non-hazardous remediation and prevention** of mold and bacteria growth.
- **Carbon-neutral** as the CO₂ used is a by-product of other manufacturing processes.
- **Approved for many applications** by the EPA, USDA & FDA
- **Greater safety/efficiency**—no chemicals or grit media.
- **No water, residue or secondary waste** for quicker clean-up.

For medical TRANSPORT & STORAGE.

Dry ice blocks, nuggets and rice are ideal for shipping, transporting and storing temperature-sensitive materials for hospitals, clinics and laboratories. Dry Ice has **far more refrigeration power** than water ice pound for pound. It sublimates without residue AND is non-toxic and non-flammable. It's ideal for:

- **Transportation/shipment** of temperature-sensitive items such as biomedical samples, organs, blood, and other materials that must stay cool over several days.
- **Storage** of biological samples like vaccines and blood work that must stay cold for long periods of time.
- **Emergency cooling** during a power outage or natural disaster.

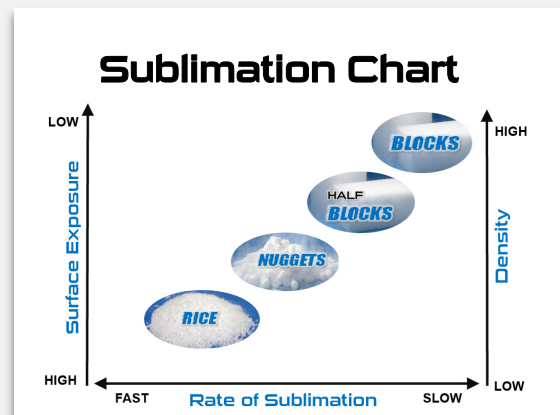
Guidelines for Use

HOW MUCH

- The amount of dry ice needed for effective cleaning varies greatly—depending on the system and application.
- Average ice consumption for Cold Jet dry ice blast equipment is about 2.5 lbs. or 1.1 kg per minute.

STORAGE

- Keep dry ice in a high-quality insulated container.
- Depending on weather, type of dry ice, and the storage container, dry ice sublimates about 2% to 10% per day (see chart below).
- Assuming a mid-range percent of 6%, that would translate to 30 lbs./day for a full 500-lb. tote.



SPECIFIC APPLICATIONS:

- **GENERAL MOLD AND TOOL CLEANING:** Liquid Injection Silicone, Thermoplastic Injection and Thermoset Injection Molds
- **DEFLASHING AND DEBURRING OF PARTS AND COMPONENTS:** Medical Stents and Implants, Surgical Tools and Instruments; PBT, Acetal, Nylon, LCP, PEEK and other plastic products; Catheter Tips; Manifolds
- **TREATMENTS:** Cold Caps for Chemo Patients, Wart/Mole Removal (replacement to liquid nitrogen)

DRY ICE TIPS: DryIceInfo.com covers topics from packing a cooler to camping to shipping to industrial blasting.

Manufactured at our St. Cloud & St. Paul Locations

ST. CLOUD: 320-257-4800, OPTION #3 **ST. PAUL:** 651-645-6433

EMAIL: CO2SALES@CENTRALMCGOWAN.COM



BURNSVILLE - ST. CLOUD - ST. PAUL - LITTLE FALLS - FARGO

