The Cool Way of Cleaning

Cryonomic®
Dry Ice Cleaning Solutions

Catalogue
The Cool Way of Cleaning
Cleaning solutions through dry ice blasting
About us

ARTIMPEX N.V. develops and manufactures patented Dry Ice Cleaning & Production Equipment called CRYONOMIC®, a registered trademark, since 25 years.

The company is renowned for in-house R&D, supplying customers with quality performance equipment at competitive prices.

Sales is organised through certified partners. These partners are distributors or agents and are experienced professionals who advise, demonstrate and provide after sales service.

With a world-wide team of 60 persons we’ll be happy to introduce our cleaning or dry ice production solutions to your company!

Our services

› Worldwide assistance through certified agents
› Worldwide contract cleaner network
› Preliminary study & feasibility analysis
› Test cleaning
› Determination of system configuration for your application
› Sales of dry ice blasters and pelletisers
› Start up assistance & staff training
› Integration into production
› Delivery of dry ice or production on site
› Automation
What is dry ice?

Dry ice is frozen carbon dioxide (CO₂), a normal part of our earth’s atmosphere. It is the gas that we exhale during breathing and the gas that plants use in photosynthesis. It is also the same gas commonly added to water to make soda water. This gas is captured during industrial processes and recycled to make dry ice.

Applications

› Dry ice blasting
› Cooled storage and transport (hospitals and laboratories)
› Technical applications: e.g. removing explosive gases from tanks for maintenance purposes, declamping metal parts etc.
› Cooling process in automation
› Winemaking
› Airline catering
› Special effects (smoke)
› Fundamental and applied research
inline machine cleaning
Principle of dry ice blasting

Dry Ice Cleaning is a blasting technique similar to sand blasting, but makes use of solid CO₂ or dry ice pellets. On impact the pellets vaporize to carbon dioxide gas and increase in volume by a factor of 700. Due to this expansion the contaminant is lifted and separated from the base material.

The advantage of using dry ice pellets as blasting material is twofold:

1. Thermal shock
The very low temperature of the dry ice pellets (-78°C or -109°F) causes the contamination to freeze and contract resulting in the easy detachment of the contaminant from the substrate.

2. Explosion lifting force
The dry ice pellets vaporize to carbon dioxide gas on impact, which means that only the original contaminant is left for disposal. This natural evaporation of dry ice pellets is a major advantage of the dry ice cleaning method.

Supply process of dry ice

Before cleaning

- substrate
- contamination layer

During cleaning

- CO₂ pellets hit the surface, remove the contaminant and turn to gas

After cleaning

- substrate not damaged
- contamination layer removed
- no additional waste
### Principle of dry ice blasting

Comparison between CRYONOMIC® dry ice cleaning and traditional cleaning methods:

<table>
<thead>
<tr>
<th></th>
<th>CRYONOMIC®</th>
<th>Sand blasting</th>
<th>Solvent cleaning</th>
<th>High pressure</th>
<th>Manual cleaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time saving:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleaning in the production environment</td>
<td>✔</td>
<td></td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>No need to strip down the production machines</td>
<td>✔</td>
<td></td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Short or no production stop</td>
<td>✔</td>
<td></td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Fast cleaning method</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td><strong>Environmentally friendly:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Generates no additional waste</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
<td>○</td>
</tr>
<tr>
<td>No use of aggressive or dangerous products</td>
<td>✔</td>
<td></td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>No noise nuisance</td>
<td>○</td>
<td></td>
<td>○</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td><strong>Other advantages:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leaves the substrate intact</td>
<td>✔</td>
<td></td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Suitable in food industry</td>
<td>✔</td>
<td></td>
<td>○</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Pellets do not conduct electricity</td>
<td>✔</td>
<td></td>
<td>○</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>

- ✔ Advantage applicable for this technique
- ○ Advantage sometimes applicable for this technique
- ○ Advantage not applicable for this technique
Environmental

Environmental facts about dry ice blasting:
› Does not generate secondary waste
› Safe and non-toxic (e.g., food processing equipment)
› Does not release harmful gases into the atmosphere
› Reduces or eliminates employee exposure to (and corporate liability from) the use of dangerous chemical cleaning agents

Other cleaning methods can be toxic:
› Sand, soda, or water blasting can leave toxic secondary waste to be cleaned up in addition to the toxic substrate
› Sand, soda, or water blasting can create downstream contamination that affects surrounding installations
› Soda blasting can kill surrounding vegetation
› Chemical and solvent cleaning methods are toxic, creating toxic waste to be disposed of
› Workers are exposed to potentially harmful substances through the use of chemicals and solvents
Dry ice blasters

1-hose dry ice blasters
- COB 62
- COB 62+
- COB 71
- COB 71R

1 + 2-hose dry ice blasters
- COMBI 71
- COMBI 71R
- COMBI 72
- COMBI 72R
- COMBI 73
- COMBI 73R
How to choose your CRYONOMIC® dry ice blaster?

One-hose vs two-hose dry ice blasters

**When to use 1-hose system?**

+ Smaller jobs
+ More focused cleaning
+ Mostly end-users
+ Light weight & compact machine
+ Ergonomical
+ Less air consumption
+ Low budget
+ Smaller compressor

- Uses more dry ice at high pressure
- Mainly focused on in-house blasting
- Limited hose length (max 25m)

**When to use 1-hose + 2-hose system?**

+ Bigger jobs / large projects (m²)
+ More aggressive cleaning power (up to 16 bar)
+ Faster cleaning (higher impact + wider nozzles)
+ Pellets stay intact, and flow and at higher speed
+ Contract cleaners & end-users
+ Long distance blasting (up to 100m)
+ Vertical cleaning up to 30m high
+ Less dry ice consumption

- Enough compressed air required
- Heavy and less ergonomical
- Mainly focused on outdoor blasting
- Bigger compressor needed
1-hose dry ice blaster

COB 62

Maximal performance for repetitive cleaning jobs!
The CRYONOMIC® COB series is a single hose dry ice blaster, transporting dry ice and compressed air in one hose. Its unique concept results in low air consumption and powerful cleaning performance. Its ergonomical design makes it light and easy to manipulate.

Typical applications: maintenance, mould cleaning, foundry, deburring, printing machines, food industry, electrical components cleaning, glue removal, ...

CHARACTERISTICS

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>COB 62 art. n° P20400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chassis</td>
<td>• 2 fixed wheels, 2 pivoting wheels</td>
</tr>
<tr>
<td></td>
<td>• Push handle and hose support</td>
</tr>
<tr>
<td>Dimensions (l x w x h)</td>
<td>380 x 570 x 890 mm (incl. fixed handle)</td>
</tr>
<tr>
<td>Weight</td>
<td>66 kg</td>
</tr>
<tr>
<td>Hopper</td>
<td>• 14 kg dry ice capacity</td>
</tr>
<tr>
<td></td>
<td>• Isolated hopper easily removable</td>
</tr>
<tr>
<td>Pellet consumption</td>
<td>• Adjustable 20 - 80 kg/h</td>
</tr>
<tr>
<td></td>
<td>• Blasting without dry ice possible</td>
</tr>
<tr>
<td>Blast pressure</td>
<td>1-7 bar</td>
</tr>
<tr>
<td>Remote control</td>
<td>No</td>
</tr>
<tr>
<td>Air consumption</td>
<td>0.5-4 m³/min for 1-7 bar</td>
</tr>
<tr>
<td>Pre-equipped for blasting dry ice with abrasives</td>
<td>No</td>
</tr>
</tbody>
</table>

Intuitive control panel: emergency stop and ON/OFF buttons, robust single touch control buttons, blast pressure regulator and manometer

Fast and easy connections: quick coupling, compressed air inlet, ...

DID YOU KNOW?
The COB series dry ice blasters are standard delivered with:
› Ergonomic blast gun MG1004(R)
› Hose set consisting of:
  • heavy duty blast hose with quick coupling and stainless steel earthing
  • control cable (for start/stop, gun light ON/OFF)
  • protecting sleeve
› Dry ice or air-only blasting option
› Hour counter
› Safe soft start
› Start safety protocol

Download the product leaflet here
paint stripping
COB 62+

Light weight machine with grit blasting possibilities!
The CRYONOMIC® COB 62+ takes the best of both worlds, combining a manoeuvrable single hose dry ice blaster with the possibility of adding the CRYONOMIC® Abrasive module to perform dry ice grit blasting cleaning possibilities.

Typical applications: façade cleaning, paint stripping, car cleaning, rust removal, machine maintenance, grit blasting, ...

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>COB 62+ art. n° P20500</th>
</tr>
</thead>
</table>
| Chassis         | • 2 fixed wheels, 2 pivoting wheels
                 | • Push handle and hose support |
| Dimensions (l x w x h) | 380 x 570 x 890 mm (incl. fixed handle) |
| Weight          | 68 kg |
| Hopper          | • 14 kg dry ice capacity
                 | • Isolated hopper easily removable |
| Pellet consumption | • Adjustable 20 - 80 kg/h
                     | • Blasting without dry ice possible |
| Blast pressure  | 1-10 bar |
| Remote control  | No |
| Air consumption | 0,5-5,3 m³/min for 1-10 bar |
| Pre-equipped for blasting dry ice with abrasives | Yes |

Abrasive module:
in addition to the dry ice blaster, this module allows to take advantage of the abrasive action of grit together with the removal action of dry ice

Download the product leaflet [here](#)
More information about the grit blasting possibilities [here](#)
1-hose dry ice blaster

COB 71(R)

Top notch performance with unbeatable efficiency!
The CRYONOMIC® COB 71 is the most robust single hose dry ice blaster of the COB series, having a bigger hopper and more blast pressure. The Remote Control on the COB 71R gun allows you to change blasting conditions (pellet and air consumption) at distance.

Typical applications: construction & renovation, contract cleaning, (Offline) machine maintenance, inline production line cleaning, automotive, rubber, metal processing, (nuclear) decontamination, robotisation, ...

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>COB 71</th>
<th>COB 71R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chassis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 2 large wheels, 2 pivoting wheels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Foldable push handle and hose support</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Lifting eyelets and forklift handling slot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (l x w x h)</td>
<td>665 x 570 x 876 mm (push handle folded down)</td>
<td>665 x 570 x 876 mm (push handle folded down)</td>
</tr>
<tr>
<td>Weight</td>
<td>90 kg</td>
<td>95 kg</td>
</tr>
<tr>
<td>Hopper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• 30 kg dry ice capacity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Isolated hopper easily removable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Advanced pneumatic hopper agitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pellet consumption</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Adjustable and displayed: 25-90 kg/h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Blasting without dry ice possible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Start-up value programmable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blast pressure</td>
<td>1-12 bar</td>
<td>1-12 bar</td>
</tr>
<tr>
<td>Remote control</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Air consumption</td>
<td>0.5-6 m³/min for 1-12 bar</td>
<td>0.5-6 m³/min for 1-12 bar</td>
</tr>
<tr>
<td>Pre-equipped for blasting dry ice with abrasives</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
offsite machine cleaning
1-hose + 2-hose dry ice blaster

**COMBI 7 Series**

The perfect all-round machine for every job!
The CRYONOMIC® COMBI 7 Series is the only dry ice blaster allowing the highest cleaning performance for every imaginable application. Purposely built to withstand the rough circumstances common to industrial sites, this blaster can be used as a single hose as well as a dual hose dry ice blaster to clean every imaginable application. This blaster can be used in 6 different set-ups, each having specific applications.

**Typical applications:** contract cleaning, bigger jobs / large project cleaning, vertical cleaning, long distance cleaning, faster and more aggressive cleaning at higher impact, ...

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>COMBI 71(R)</th>
<th>COMBI 72(R)</th>
<th>COMBI 73(R)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chassis</td>
<td>• Complete stainless steel • Foldable push handle and hose support • 2 big wheels, 2 pivoting wheels • Lifting eyelets &amp; forklift handling slot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (l x w x h)</td>
<td>665 x 570 x 876 mm (push handle folded down)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>100 kg</td>
<td>100 kg</td>
<td>100 kg</td>
</tr>
<tr>
<td>Hopper</td>
<td>• 30 kg dry ice capacity • Isolated hopper • Easily removable • Advanced pneumatic hopper agitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pellet consumption</td>
<td>• Adjustable and displayed on front panel: 25-90 kg/h • Start-up value programmable • Blasting without dry ice possible</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blast pressure</td>
<td>• 1-12 bar with one-hose gun • 1-16 bar with two-hose gun</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air consumption</td>
<td>• One-hose: 0.5-6 m³/min for 1-12 bar • Two-hose: 1-13 m³/min for 1-16 bar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DID YOU KNOW?**

A 1 & 2-hose dry ice blaster is perfectly adapted for:
- Bigger jobs / large projects (m²)
- More aggressive cleaning power
- Faster cleaning (higher impact + wider nozzles)
- Pellets stay intact, and flow and at higher speed
- Contract cleaners & end-users
- Long distance blasting (up to 100m)
- Vertical cleaning up to 30m high
- Less dry ice consumption

Download the product leaflet [here](#) More information about the grit blasting possibilities [here](#)
Compose your CRYONOMIC® COMBI 7 blaster according to your needs

**One-hose setup**
Medium scale applications
Low air consumption
Focalised cleaning
(R) remote controlled gun

**Two-hose setup**
Large scale applications
Low pellet consumption
Long distance cleaning
(R) remote controlled gun

**Both setups**
Medium scale applications
Low air consumption
Focalised cleaning
Large scale applications
Low pellet consumption
Long distance cleaning
(R) remote controlled gun
mould cleaning
How to choose your CRYONOMIC® dry ice blaster?

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>COB 62</th>
<th>COB 62+</th>
<th>COB 71</th>
<th>COB 71R</th>
<th>COMBI 7</th>
<th>COMBI 7R</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>art. P20400</td>
<td>art. P20500</td>
<td>art. P20800</td>
<td>art. P20850</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1-hose dry ice blaster</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard delivered with</td>
<td>• MG 1004 gun</td>
<td>• MG 1004(R) gun</td>
<td>• MG 1004(R) gun</td>
<td>• Gun &amp; nozzle: see page 21</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Round nozzle Focus 3</td>
<td>• Round nozzle Focus 3</td>
<td>• Round nozzle Focus 3</td>
<td>• Nozzle: see page 21</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 5m hose set</td>
<td>• 5m hose set</td>
<td>• 5m hose set</td>
<td>• Hose set 5m with quick couplings</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• 5m power cord</td>
<td>• 5m power cord</td>
<td>• 5m power cord</td>
<td>• 5m power cord</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Manual + CE certificate</td>
<td>• Manual + CE certificate</td>
<td>• Manual + CE certificate</td>
<td>• Manual + CE certificate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hopper (capacity)</td>
<td>14 kg dry ice Isolated hopper easily removable</td>
<td>30 kg dry ice Isolated hopper easily removable Advanced pneumatic hopper agitation</td>
<td>30 kg dry ice Isolated hopper easily removable Advanced pneumatic hopper agitation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pellet consumption</td>
<td>Adjustable 20 – 80 kg/h Blasting without dry ice possible</td>
<td>Adjustable and displayed 25 – 90 kg/h Blasting without dry ice possible Start-up value programmable</td>
<td>Adjustable and displayed 25 – 90 kg/h Blasting without dry ice possible Start-up value programmable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remote controle</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Dimensions (l x w x h)</td>
<td>380x570x890mm</td>
<td>665x570x876mm</td>
<td>665x570x876mm</td>
<td>665x570x876mm</td>
<td>100 kg</td>
<td>100 kg</td>
</tr>
<tr>
<td>Weight</td>
<td>66 kg</td>
<td>68 kg</td>
<td>90 kg</td>
<td>95 kg</td>
<td>100 kg</td>
<td>100 kg</td>
</tr>
<tr>
<td>Chassis</td>
<td>2 fixed wheels, 2 pivoting wheels Pushch handle and hose support</td>
<td>2 large wheels, 2 pivoting wheels Foldable push handle and hose support Lifting eyelets and forklift handling slot</td>
<td>2 large wheels, 2 pivoting wheels Foldable push handle and hose support Lifting eyelets and forklift handling slot</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
offline machine maintenance
CRYONOMIC® dry ice grit blasting module

**Abrasive module**

**CRYONOMIC® Dry ice grit blaster**
Simply add the CRYONOMIC® Abrasive module to your dry ice blaster and take advantage of the dry ice grit blasting possibilities. **Dry ice grit blasting combines both dry ice and a minimum quantity of abrasive agent, to give the only true ecological way of grit blasting!**

Advantages compared to other cleaning techniques:
› Reducing significantly the quantity of abrasive compared to sand blasting
› More ecological abrasive blasting
› Easier and faster cleaning up, reducing the volume of secondary waste
› Extending the scope of general contract cleaning companies significantly with one machine
› No heating up or deforming of the contaminated product

**Typical applications:** rust removal, asbestos and lead paint removal, façade cleaning, paint stripping, surface roughening before painting, coating, graffiti removal, stubborn material removal, …

To watch a video click [here](#).
Dry ice production machines

Pelletisers

› CIP 5XS
› CIP 5S
› CIP 5M
› CIP 5L
DID YOU KNOW?

Dry ice is the solid form of CO₂ and has a temperature of -78°C. At atmospheric pressure it evaporates to CO₂ gas.

To produce dry ice, you need a CO₂ gas tank and supply line between tank and pelletiser. Contact your local gas distributor about their possibilities.

Pellet production

CIP 5 Series

Production of high density dry ice pellets and dry ice sticks

The CRYONOMIC® CIP 5 Series offer a versatile and economical solution for producing your own high density dry ice.

› The CIP 5 Series exist in 4 models:
  - CIP 5XS up to 35 kg/h
  - CIP 5S up to 80 kg/h
  - CIP 5M up to 160 kg/h
  - CIP 5L up to 300 kg/h

› Producing 3 mm pellets; 10 or 16 mm sticks

Quick and easy change of extrusion dies

› Supply Liquid CO₂ Pressure: 16 - 21 bar storage tank

Hydraulic silent motor with fast start-up protocol

› Oil entirely separated from dry ice

Ergonomic touchscreen control panel

Dry ice can be used for a lot of applications in different industries:
dry ice cleaning, cooled transport, process cooling, carbonic maceration, fire extinguisher, declamping of metal parts, smoke generation for show effects, ...

Download the product leaflet [here](#).
How to choose your CRYONOMIC® dry ice production machine?

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>CIP 5XS art. P22800</th>
<th>CIP 5S art. P22700</th>
<th>CIP 5M art. P22600</th>
<th>CIP 5L art. P22500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production capacity¹</td>
<td>Up to 35 kg/h</td>
<td>Up to 80 kg/h</td>
<td>Up to 160 kg/h</td>
<td>Up to 300 kg/h</td>
</tr>
<tr>
<td>Pellet diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (excl. hydraulic oil)</td>
<td>115 kg</td>
<td>310 kg</td>
<td>530 kg</td>
<td>800 kg</td>
</tr>
<tr>
<td>Oil content</td>
<td>8 l</td>
<td>36 l</td>
<td>54 l</td>
<td>90 l</td>
</tr>
<tr>
<td>Power consumption</td>
<td>2 kW</td>
<td>3 kW</td>
<td>7,5 kW</td>
<td>9 kW</td>
</tr>
<tr>
<td>Power supply</td>
<td>230V / 50Hz</td>
<td></td>
<td></td>
<td>400V / 50Hz / 3Ph+E</td>
</tr>
<tr>
<td>Supply liquid CO₂</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supply pressure liquid CO₂</td>
<td>16 - 21 bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inlet connection liquid CO₂</td>
<td>½” BSP</td>
<td>½” BSP</td>
<td>½” BSP</td>
<td>¾” BSP</td>
</tr>
<tr>
<td>Outlet gas CO₂</td>
<td>1” BSP</td>
<td>2” BSP</td>
<td>2” BSP</td>
<td>2” BSP</td>
</tr>
<tr>
<td>Dimensions excl. Outlet (l x w x h)</td>
<td>780 x 310 x 1.000 mm</td>
<td>1.000 x 705 x 1.035 mm</td>
<td>1.380 x 710 x 1.785 mm</td>
<td>1.600 x 830 x 1.805 mm</td>
</tr>
</tbody>
</table>

¹ The production capacity depends on pellet diameter, gas tank pressure and status, liquid CO₂ temperature, atmospheric conditions and user settings.
Dry ice containers

CIC-containers

› CIC 85
› CIC 150
› CIC 300
› CIC 500
Dry ice containers

**CIC-containers**

**Containers for dry ice transportation**
- Monobloc structure in polyethylene
- Enlarged wall thickness
- Isolation material: polyurethane
- Frame in stainless steel
- Stackable and accessible at four sides
- Drain hole to ease cleaning
- Lid opening assisted by gas springs
- Ergonomic depth and level bottom surface
- Rust proof parts for an unlimited life span
- Metal components in protected positions

<table>
<thead>
<tr>
<th>CHARACTERISTICS</th>
<th>CIC 85</th>
<th>CIC 150</th>
<th>CIC 300</th>
<th>CIC 500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage capacity</td>
<td>85 litre</td>
<td>150 litre</td>
<td>300 litre</td>
<td>500 litre</td>
</tr>
<tr>
<td>Storage (3mm pellets)</td>
<td>± 68 kg</td>
<td>± 120 kg</td>
<td>± 240 kg</td>
<td>± 400 kg</td>
</tr>
<tr>
<td>Empty weight</td>
<td>20 kg</td>
<td>55 kg</td>
<td>80 kg</td>
<td>100 kg</td>
</tr>
<tr>
<td>Wall thickness</td>
<td>70 mm polyurethane</td>
<td>97.5 mm polyurethane</td>
<td>97.5 mm polyurethane</td>
<td>97.5 mm polyurethane</td>
</tr>
<tr>
<td>Inner dimensions (l x w x h)</td>
<td>610 x 340 x 410 mm</td>
<td>605 x 405 x 610 mm</td>
<td>805 x 605 x 610 mm</td>
<td>1005 x 805 x 610 mm</td>
</tr>
<tr>
<td>Outer dimensions (l x w x h)</td>
<td>800 x 480 x 550mm</td>
<td>800 x 600 x 930mm</td>
<td>1000 x 800 x 930mm</td>
<td>1200 x 1000 x 930mm</td>
</tr>
<tr>
<td>Pallet or wheels</td>
<td>non or wheels (trolley)</td>
<td>pallet or wheels</td>
<td>pallet or wheels</td>
<td>pallet</td>
</tr>
</tbody>
</table>

Download the product leaflet [here](#)
Dry ice containers

Technical specifications

The strong and hygienic CIC series combines the quality and hygiene of the monobloc structure in polyethylene with the use of metal components realised exclusively in stainless steel.

The containers are made with an isolation technique that assures a perfect attachment of the isolation with the inner and outer walls of the container. Even in contact with low temperatures of dry ice the walls will not deform.

- **Hygienic silicone packing.** Easy to disassemble and reassemble, permits easy cleaning.
- **Lid opening assisted by gas springs,** safe for operators.
- **Hinges, lock and gas pistons are rust proof and mounted in a protected position.**
- **Depth of the container at the inside is not too high,** allowing every user to empty the dry ice from the bottom without problems.
- **Level (flat) bottom surface** to shovel the ice out of the container easily accessible from four sides by pallet truck and fork lift.
- **Stackable:** The lid is equipped with seats for that permit steady stacking of containers.
- **All mechanical parts are screwed onto large threaded inserts built onto plates set in the shell of the product.**
- **A drain hole in the bottom** to flow water of condensation and to ease cleaning.
inline production
Contact your local distributor
for technical advice or for a demonstration:

Look for your contact at www.cryonomic.com