

# CIP-5 Series Dry Ice Pelletisers & containers



## CIP-5 pelletisers: efficient dry ice production

Dry ice is the solid form of CO<sub>2</sub> and has a temperature of -78°C. At atmospheric pressure it evaporates to CO<sub>2</sub> gas. Dry ice can be used for a lot of applications in different industries: dry ice cleaning, catering industry, cooled transport, transport of medical goods, declamping of metal parts, smoke generation for show effect, carbonic maceration, process cooling, fire extinguisher,...

The CIP-5 Series pelletisers offer a versatile and economical solution for producing up to 300kg of high density dry ice per hour. The CIP-5 Series can be delivered with different extrusion dies. The pelletisers can produce:

- 2 and 3 mm dry ice pellets for dry ice cleaning
- 10 and 16 mm dry ice sticks for cooling and other applications

Switching from pellets/sticks can be done in a few minutes.

The CIP-5 Series pelletisers are hydraulic pelletisers with a silent motor. They have interesting features such as an ergonomic touchscreen control panel, logging of production parameters, hour counter, displayed machine status, warnings, alarms, buzzer,... The machines also have inputs for a CO<sub>2</sub> detector.

## Dry ice containers: flexible dry ice storage

For long term storage of dry ice, we offer 4 containers: the CIC 500, CIC 300, CIC 150 and CIC 85. These containers are well isolated though lightweight and have a content of 500, 300, 150 and 85 litre.



dry ice production



touchscreen control panel



dry ice pellets 3 mm    dry ice sticks 10 mm



## CIP-5 Pelletiser

## Technical information

|   | CIP-5XS   | CIP-5S              | CIP-5M              | CIP-5L              |
|---|---|---------------------|---------------------|---------------------|
| Production capacity (1)                   | Up to 35 kg/h                                       | Up to 80 kg/h       | Up to 160 kg/h      | Up to 300 kg/h      |
| Pellet diameter                           | 2mm, 3 mm, 10mm, 16mm                               |                     |                     |                     |
| Dimensions excl. outlet in mm (L x W x H) | 780 x 310 x 1000                                    | 1.000 x 705 x 1.035 | 1.380 x 710 x 1.785 | 1.600 x 830 x 1.805 |
| Weight (excl. hydraulic oil)              | 115 kg  | 310 kg              | 530 kg              | 800 kg              |
| Oil content (l)                           | 8   | 36                  | 54                  | 90                  |
| Power consumption                         | 2 kW  | 3 kW                | 7,5 kW              | 9 kW                |
| Power supply                              | 230V/ 50Hz  | 400V/ 50Hz/ 3Ph+E   |                     |                     |
| Supply liquid CO2                         | Liquid CO2 moisture: 65 ppm and completely oil free |                     |                     |                     |
| Pressure                                  | 16 - 21 bar   |                     |                     |                     |
| Inlet connection liquid CO2               | 1/2" BSP  | 1/2" BSP            | 1/2" BSP            | 3/4" BSP            |
| Outlet gas CO2                            | 1" BSP  | 2" BSP              |                     |                     |

<sup>(1)</sup>The production capacity depends on pellet diameter, gas tank pressure and status, liquid CO2 temperature, atmospheric conditions and user settings.

## Containers

## Technical information

|  | CIC 85                     | CIC 150              | CIC 300              | CIC 500              |
|--|----------------------------|----------------------|----------------------|----------------------|
| Outer dimensions on pallet (L x W x H) in mm | 800 x 480 x 550            | 800 x 600 x 930      | 1.000 x 800 x 930    | 1.200 x 1.000 x 930  |
| Inner dimensions (L x W x H) in mm           | 610 x 340 x 410            | 605 x 405 x 610      | 805 x 605 x 610      | 1.005 x 805 x 610    |
| Storage capacity                             | 85 litre                   | 150 litre            | 300 litre            | 500 litre            |
| Storage capacity for 3 mm pellets            | ± 68 kg                    | ± 120 kg             | ± 240 kg             | ± 400 kg             |
| Empty weight                                 | 20 kg                      | 55 kg                | 80 kg                | 100 kg               |
| Wall thickness / isolation material          | 70 mm polyurethane         | 97,5 mm polyurethane | 97,5 mm polyurethane | 97,5 mm polyurethane |
| Pallet or wheels                             | wheels on separate trolley | pallet or wheels     | pallet or wheels     | pallet               |



CIC 85

CIC 150

CIC 300

CIC 500

We reserve the right to modify all or part of the above specifications without prior notice.

CRYONOMIC® has a worldwide network.  
Contact your dealer for any information:

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**CRYONOMIC®**  
DRY ICE CLEANING SOLUTIONS

CRYONOMIC  
Kleimoer 3 - B-9030 Gent - Belgium  
Tel: +32 9 216 76 90 - Fax: +32 9 216 76 91  
info@cryonomic.com  
www.cryonomic.com

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