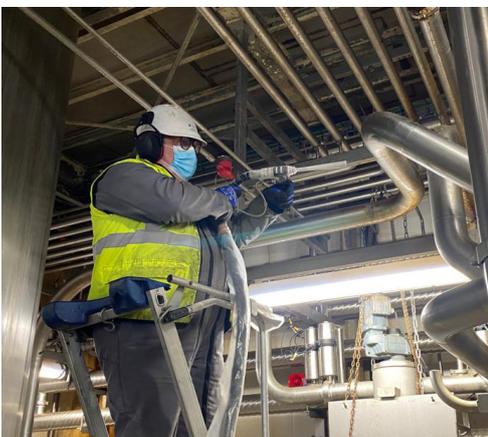
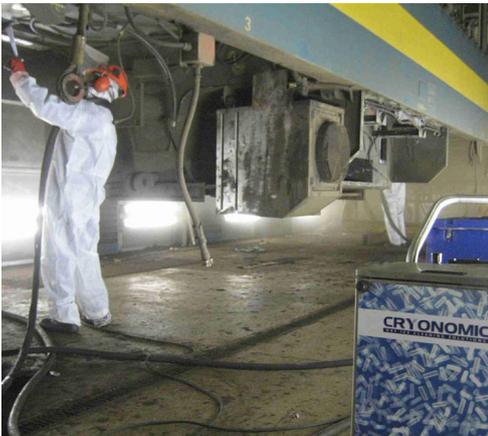


CRYONOMIC®
DRY ICE CLEANING SOLUTIONS
The Cool Way of Cleaning



COB Series

Cryonomic® dry ice blasting machines are used worldwide and have been running successfully since 1992.

DRY ICE BLASTERS

for manual cleaning

Maximal performance with minimal air consumption!

Dry ice blasting is an efficient and environmentally friendly cleaning technique that makes use of dry ice pellets.

Dry ice sublimates directly from solid back to gas. The dry ice pellets expand to carbon dioxide gas on impact. Due to this expansion the contaminant is lifted and separated from the base material.

The **CRYONOMIC® COB** is a single hose dry ice blaster which unique concept results in:

- › low air consumption
- › powerful cleaning performance
- › ergonomic design: light and easy manipulation
- › best price/performance ratio on the market
- › focalised cleaning

The **COB series** consists of 7 types:

Manual

- › COB 62
- › COB 81
- › COB 71
- › COB 71R

Automated

- › COB 71A
- › COB 71AR
- › COB 71AT

Unique characteristics of COB-series



Patented CRYONOMIC® Airlock system technology:

This technology has following advantages:

- › Self regulating **CRYONOMIC® Airlock system**, limiting wear out and maintenance (one sealer disc)
- › Constant and regular dry ice flow
- › Limited air consumption

Ergonomic and lightweight MG1004(R) gun:

- › Quick-fit nozzles changed within seconds
- › Nozzles can be turned in any desired position during operation
- › Equipped for CRYONOMIC® gun light
- › Integrated safety catch
- › Control cable plugs directly into the gun
- › Ergonomic shockproof thermoplastic handle

Intuitive control panel:

- › Robust control buttons and display:
 - dry ice feed rate
 - gun light
 - abrasive module selector
- › Blast pressure regulator and manometer
- › Remote control deactivator on COB 71R

Fast and easy connections:

- › Quick coupling for blasthose
- › One multifunctional control cable to gun
- › Power cable
- › Connection for earth cable
- › Compressed air inlet
- › Connection for Abrasive Module

The COB series dry ice blasters are standard delivered with



COB blasting machine

+



Heavy duty blast hose set
with quick coupling & stainless steel earthing

+



MG1004
(for COB62 or COB71)



MG1004R
(for COB71R)



MG1007
(for COB81)

Ergonomic blast gun
incl. standard round nozzle

Other must-have items included in the machine as standard are:

- › the option to blast air only
- › hour counter
- › safe soft start
- › start safety protocol

The remote control gun allows an operator to change following parameters on the gun:

- › dry ice feed rate
- › blast pressure
- › intensity of gun light

Options



Nozzle & accessory box

- › Commonly used round, flat and angled nozzles
- › Dry ice crusher
- › Gun light
- › Empty space to store blastgun and second crusher
- › Optional: spare parts set



Gun light

- › Clear white spot on the object
- › Plug-in gun light (no additional cable)
- › Adjustable intensity
- › Allows fast nozzle switching



Abrasive module

- › Combines benefits of dry ice and abrasive blasting
- › Allows to mix a controlled quantity of abrasive granulate in the dry ice flow
- › **Ecological:** reduces significantly the amount of abrasive compared to conventional abrasive blasting (less waste, less clean-up)



Variety of advanced nozzles

- › High performance nozzles
- › Changed within seconds
- › Round, flat, angled, custom made
- › Length: from 55 mm up to 2 m and more
- › Special low air nozzles ($1\text{m}^3/\text{min}$ at 4 bar)
- › Nozzle extensions in different length



(Variable) pellet crushers

- › Crushes dry ice pellets for cleaning delicate surfaces and objects
- › Easy to mount with quick coupling
- › Can be used with every nozzle
- › Nozzle does not have to be exchanged or removed



Electrical isolated gun MG1006

- › To clean live (low- to mid-voltage) equipment
- › Full plastic isolated blastgun for applications where non-conductive tooling is a safety requirement

Technical information

CHARACTERISTICS OF MANUAL BLASTERS ^(*)	COB 62 art. P20400	COB 81 art. P20550	COB 71 art. P20800	COB 71R art. P20850
Chassis	Push handle and hose support	Push handles and removable hose support	Push handles and foldable hose support Lifting eyelets and forklift slot	
Dimensions (l x w x h in mm)	380 x 570 x 890 incl. fixed handle	390 x 620 x 800 incl. hose support (390x520x800 without hose support)	665 x 570 x 876 (hose support folded down)	
Weight	66 kg	69 kg	90 kg	95 kg
Hopper (capacity)	14 kg dry ice Isolated hopper Easily removable Basic hopper agitation	17 kg dry ice Isolated hopper Easily removable Advanced hopper agitation	30 kg dry ice Isolated hopper Easily removable Advanced hopper agitation	
Pellet consumption	20 - 40 - 60 - 80 kg / h ¹ Display with 4 leds Blasting without dry ice possible		Continuous adjustable: 25 - 100 kg / h ¹ With numerical display Blasting without dry ice possible Start-up value programmable	
Blast pressure	1 - 7 bar	1 - 10 bar	1 - 12 bar	
Remote control	No	No	No	Yes
Air consumption	0,5 - 4 m ³ /min	0,5 - 5,5 m ³ /min	0,5 - 6,5 m ³ /min	
Supply pressure	1 - 16 bar dried air • connection 3/4" BSP		1 - 16 bar dried air • connection 1" BSP	
Mains/power consumption	220 - 240 V, 50 - 60 Hz, 650 W ²			
Pre-equipped for gunlight	Yes			
Pre-equipped for blasting dry ice with abrasives	No		Yes	
Options	¹ Alternative pellet rotors of 7 - 28 kg/h and 10 - 40 kg/h ² Transformer 110 V / 50 - 60 Hz		¹ Alternative pellet rotors of 8 - 32 kg/h, 12 - 50 kg/h and 33 - 132 kg/h ² Transformer 110 V / 50 - 60 Hz	

(*)For more technical information about the automated CRYONOMIC® dry ice blasters, ask for our leaflet "**Automated dry ice blasting**".

We paid special attention to safety, operator ergonomics, ease of manipulation and maintenance. The CRYONOMIC® dry ice blasters all meet the EC directive 2014/30/EU and 2014/35/EU.



CRYONOMIC® is a registered trademark of ARTIMPEX nv
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for technical advice or for a demonstration:

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