

ICETECH

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DRY ICE BLAST EQUIPMENT

IceBlast KG12



ICEBLAST KG12

Dry Ice Blasting



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01 : 02 : 03 : 04 : 05 : 07 : 08



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The IceBlast dry ice blasting machines and its accessories have been developed with the intention of manufacturing cleaning equipment that meets the wishes of especially industrial companies to minimize consequential costs of machine and plant cleaning and maintenance. When using dry ice blasting it is often possible to clean a plant or a machine while it is online, without any demounting and subsequent mounting. Since production stop-downs can thus be avoided or reduced drastically, this is a significant economic factor.

Beyond the dirt or other surface deposits removed, no cleaning agents or chemicals are left in chains, mechanical parts, etc. Thus no costs will be incurred in connection with the disposal of blasting media and solvents; only the substance removed will have to be disposed of. Payroll expenditure for cleaning and maintenance will often be reduced to a fraction of the present level if dry ice blasting is applied instead of traditional cleaning methods.

The IceBlast KG12 is especially suitable for the professional user with frequent, complex and quite varying cleaning requirements.

As a turnkey supplier IceTech also develops and manufactures turnkey systems which among other things include robot technology and various automation solutions – specially adapted to meet customer requirements.



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ICEBLAST KG12

For Dry Ice Blasting

Dry ice blasting is a revolutionary blasting method that uses dry ice pellets with a diameter of 3 mm (rice-sized) as the blasting media. The pellets consist of solid CO₂ at a temperature of -79°C/-110°F. The process is very environmentally friendly and provides a fast and effective alternative to traditional methods of cleaning industrial production equipment.

01: User-Friendly Control Display
The control panel includes adjustment and display of the dry ice consumption as well as display of the blasting pressure.

02: On / Off Switch

03: Digital display showing the actual consumption of dry ice pellets.

04: Pellet Consumption
Adjustable pellet consumption to optimize efficiency and economy.

05: Emergency Stop
Cuts the power supply and all machine operations.

06: Display showing current blasting pressure

07: Adjustment of Blasting Pressure

08: Safety Instructions
Safety instructions with symbolic and textual explanations give the operator an instant and comprehensive overview of the safety precautions.

09: Self-Adjusting Dispensing System
One of the reasons for the very high efficiency of the machine is the patented self-adjusting dispensing system that requires a minimum of maintenance.

10: Blasting Hose
The standard blasting hose is made of a flexible fibre-reinforced silicone tube with a protective sleeve. Blasting hoses made of Teflon for use in e.g. the food industry are available upon request. Safety couplings allow swift and safe connection to the machine and the blasting gun.

11: Light IceGun
The blasting guns are built up of modules and can be adapted to suit any task.

- Light
- Safety switch
- Two-step trigger
 - Blasting with dry ice AND air
 - Or blasting with AIR ONLY

12: Pellet Tank
The pellet tank made of acid-resistant stainless steel and fully insulated with closed-cell polyethylene foam is suspended in rubber fittings allowing it to vibrate freely.

13: Special Nozzles and Handles
A broad range of accessories can be supplied for the blasting gun, ensuring maximum efficiency. Easy to operate even with gloved hand.

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Distributor

TECHNICAL DATA

KG12

Dim. mm/inch

Length: 530 / 20.8

Width: 550 / 21.6

Height: 700 / 27.5

Weight

kg: 75

lbs: 165

Dry Ice Capacity

kg: 12

lbs: 26

Dry Ice Consumption

kg/h: 0-100

lbs/h: 0-220

infinitely adjustable

Supply Pressure

bar: min. 5 - max. 10

psi: min. 72 - max. 145

Blasting Pressure

bar: min. 2 - max. 10

psi: min. 29 - max. 145

Air Consumption

m³: 0.7 - 11

cfm: 25 - 388

depending on nozzle
combination

Compressed

Air Connection

3/4" claw coupling

The compressed air must be
kept clean and free of oil,
foreign bodies and water

Power Consumption

110/230 V

AC 50-60 Hz

900 W

CEE 17 earthed

Single Hose System

Noise

Noise level 60-120 dB(A)

depending on blasting pres-
sure, nozzle combination and
material surface

User-Friendly Control

Display