

# IceBlast

## KG30 Professional 3/4" - 110/230V



ICE TECH

### IceBlast KG30 Pro 3/4"

#### IceBlast KG30 Professional 3/4" - 110/230 V

The IceBlast dry ice blasting machines and their accessories have been developed with the purpose of manufacturing cleaning equipment that meets or exceeds the needs of especially industrial companies to minimize consequential costs of industrial cleaning and maintenance.

When using IceTech Dry Ice Blasting it is often possible to clean a plant or a machine while it is online, without any disassembling and subsequent assembling. Since production downtimes can thus be avoided or reduced drastically, this is a significant economic factor.


Beyond the grease or other surface deposits removed, no cleaning agents or chemicals are left in chains, mechanical parts, etc. There are no incurred costs in connection with the disposal of blasting media and solvents; only the substance removed will need to be disposed of.


labor costs for cleaning and maintenance will often be reduced to a fraction of the present level if dry ice blasting is applied instead of traditional methods of industrial cleaning and surface treatment.

#### IceTech products are:

- High-quality
- Reliable
- Ergonomic
- Easy to operate
- Multifunctional
- Cost and time saving

#### Complete Item nos.

EU: Item no.	KG30 PRO 3/4"
90274S	230 V, 3/4", compl. EU
	The 90274S are TÜV approved TÜV/GS approved "GS" stands for "geprüfte Sicherheit", i.e. "approved safety"

US: Item no.	KG30 PRO 3/4"
90276S	110 V, 3/4", compl. US
	The Circuits board are listed in the UL certification system.

UK: Item no.	KG30 PRO 3/4"
90278S	110 V, 3/4", compl. UK

JP: Item no.	KG30 PRO 3/4"
90280S	100 V, 3/4", compl. JP



Contact IceTech to obtain expert advice on the right Dry Ice Blasting solution for you.

Head office Europe: +45 7656 1500 • Head office United States: +1 513-942-4144 • IceTech Germany: 08004 238 324

IceTech Asia: +65 9635 3527 • Or visit IceTech online at [www.icetechworld.com](http://www.icetechworld.com) to learn more.

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## KG30 Professional 3/4" - 110/230V



### Technical data

**Dimensions mm/inch:**      **Length:** 580 / 22.8      **Width:** 550 / 21.6      **Height:** 800 / 31.4

**Weight:**      **kg:** 85 / **lbs:** 187

**Dry Ice Capacity:**      **kg:** 30 / **lbs:** 66

**Dry Ice Consumption:**      **kg/hr:** 0-100      **lbs/hr:** 0-220      *-infinitely adjustable*

**Supply Pressure:**      **bar:** min. 5 - max. 16      **psi:** min. 72 - max. 232

**Blasting Pressure:**      **bar:** min. 2 - max. 16      **psi:** min. 29 - max. 232

**Air Consumption:**      **Nm3/min:** 0.7 - 11      **cfm:** 25 - 388      *-depending on nozzle combination*

**Compressed Air Connection:** 1" claw coupling  
*Air quality: According to ISO 8573-1 Class 3 for environment temperature below + 5°C.*

**Power Consumption:** 110/230 V - AC 50-60 Hz - 800 W

**Hose:** Blasting Hose, 3/4" Single Hose System

**Noise:** Noise level 60-120 dB(A) depending on blasting pressure, nozzle combination and material surface

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● Included

### Blasting Hose

Length: 10 m / 32 ft

Item no.: 90387

The blasting hose is made of a flexible fibre reinforced silicone tube with a protective sleeve. Safety couplings allow swift and safe connection to the machine and the blasting gun.



### Air Supply Hose 1"

Length: 10 m / 32 ft

Item no: 90200

US Item no: 90193



### IceGun HD PRO 3/4"

Item no.: 90483S

- :: Safety switch
- :: Two-step trigger
- Blasting with dry ice AND air
- Blasting with AIR ONLY



● IceBlast KG30 Pro 3/4"

● Technical Data

● Included

● Appropriate Accessories

# IceBlast

## KG30 Professional 3/4" - 110/230V


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**Appropriate Accessories**

**IT3 Box of Nozzles**

**Air Consumption Table/Splitter grid**
**Blasting Hose**

**Length:** 1.5 m / 4.9 ft  
**Length:** 2.5 m / 8.2 ft  
**Length:** 5 m / 16 ft  
**Length:** 7.5 m / 24 ft  
**Length:** 10 m / 32 ft  
**Length:** 15 m / 49 ft

**Item no:** 90383  
**Item no:** 90384  
**Item no:** 90385  
**Item no:** 90386  
**Item no:** 90387  
**Item no:** 90388

*max. length in one piece*

**Air Supply Hose 1"**

**Length:** 10 m / 32 ft  
**Length:** 10 m / 32 ft  
**Length:** 20 m / 65 ft  
**Length:** 20 m / 65 ft

**Item no:** 90200  
**US Item no:** 90193  
**Item no:** 90198  
**US Item no:** 90228


**IT3 Box of Nozzles**
**Item no:** 90399

Includes the most commonly used types of nozzles, delivered in a flight case.

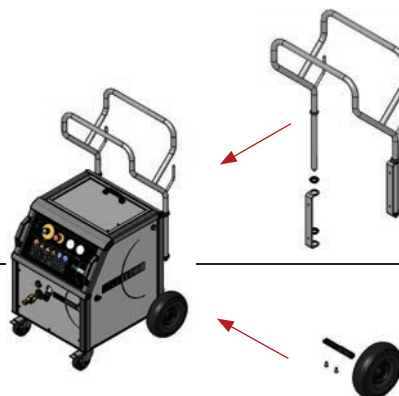
**Length:** 550 / 21.6

**Width:** 350 / 13.8

**Weight:** g:3500 / lbs: 7.7

**Hose Retainer:**
**Item no:** 500010

For storing of Blasting Gun and coiled Blasting hose after use. Capacity: Up to 30 m blasting hose. Supplied complete with fittings. Made from stainless steel.


**Big wheel package. KG30/50:**
**Item no:** 502377

For improved mobility and flexibility

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# IT-3 Box of Nozzles

KG30 Professional 3/4" - 110/230V



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The IT-3 Box includes the most commonly used types of nozzles.



Appropriate Accessories



IT3 Box of Nozzles



Air Consumption Table/Splitter grid

**Flat nozzle, 50 mm, complete**  
Item no: 91301



**Nozzle insert, Ø 5-16**  
Item no: 91305



**High-flow IceSplitter w/grid, 1.5 mm**  
Item no: 91402



**Nozzle insert, Ø 6-16**  
Item no: 91306



**long-life grid f/IceSplitter, 2 mm**  
Item no: 91444



**Nozzle insert, Ø 7-16**  
Item no: 91307



**long-life grid f/IceSplitter, 2,5 mm**  
Item no: 91447



**Nozzle insert, Ø 9-16**  
Item no: 91309



**Extension bend, 90° x 210 mm, complete**  
Item no: 91201S



**Nozzle insert, Ø 10-16**  
Item no: 91310



**Extension bend, 45° x 210 mm, complete**  
Item no: 91202S



**Nozzle holder**  
(Not to be fitted directly on IceGun)  
Item no: 91007



**Combo nozzle, complete**  
Item no: 91319



**Key for flat nozzle, 2.5 mm**  
Item no: 98008



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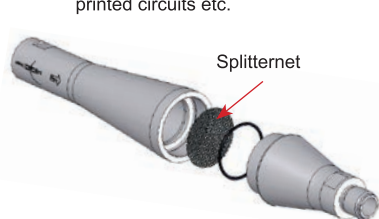
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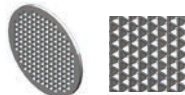
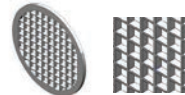
# Air Consumption Table

## High and Low Flow IceSplitters

- Pulverises dry ice pellets
- To be used when very low abrasion is required, cleaning sensitive objects like electric switchboards, printed circuits etc.

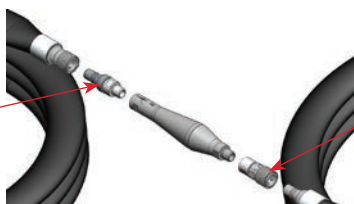


Splitternet

1.5 mm grid.  
Item no.: 914432 mm grid.  
Item no.: 914442.5 mm grid.  
Item no.: 914473 mm grid.  
Item no.: 91448

IceSplitter can be adapted  
between blasting hoses

- 91410-V2 (KG12+KG30+KG50)  
200202 (KG6+KG20)  
IceSplitter adapter



- 91411-V2 /  
200203 (KG6+KG20)  
IceSplitter adapter

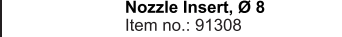
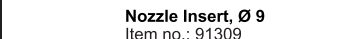
Appropriate Accessories

IT3 Box of Nozzles

Air Consumption Table/Splitter grid

## Air Consumption Table - Bar

Bar >>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Ø5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3	2.6	2.8	3.0	3.3	3.5	3.7	4.0
Ø6	1.0	1.3	1.7	2.0	2.4	2.7	3.0	3.4	3.7	4.0	4.4	4.7	5.1	5.4	5.7
Ø7	1.4	1.8	2.3	2.7	3.2	3.7	4.1	4.7	5.1	5.7	6.2	6.6	7.1	7.4	7.7
Ø8	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.1	6.7	7.3	7.9	8.4	9.1	9.7	10
Ø9	2.3	3.0	3.8	4.6	5.3	6.1	6.9	7.7	8.4	9.4	10.1	10.8	11.7	12.1	13
Ø10	2.8	3.7	4.7	5.7	6.6	7.6	8.5	9.6	10.4	11.3	12.4	13.4	14.3	15.3	16

Nozzle Insert, Ø 5  
Item no.: 91305Nozzle Insert, Ø 6  
Item no.: 91306Nozzle Insert, Ø 7  
Item no.: 91307Nozzle Insert, Ø 8  
Item no.: 91308Nozzle Insert, Ø 9  
Item no.: 91309Nozzle Insert, Ø 10  
Item no.: 91310

Air consumption in Nm<sup>3</sup>/min - ft<sup>3</sup>/min at the pressures indicated bar - Ø = nozzle diameter

## Correct use of the 4 types of long-life splitternets

In the table, recommended settings of max. dry ice consumption and min. supply pressure are indicated.

Splitternet mm	1.5		2		2.5		3	
	Max Ice kg/h ✱	Min. Air ✎	Max Ice kg/h ✱	Min. Air ✎	Max Ice kg/h ✱	Min. Air ✎	Max Ice kg/h ✱	Min. Air ✎
Ø5	20	4	25	4	30	4	35	4
Ø6	25	4	30	4	35	3.5	40	3.5
Ø7	30	3	35	3	40	3	45	3
Ø8	35	3	40	3	45	3	50	3
Ø9	50	3	70	3	100	2	120	2
Ø10	60	2	80	2	120	2	150	2

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