

## Ice cold know-how for every dry ice need

As a provider of complete CO<sub>2</sub> solutions ASCO offers a comprehensive product range in the field of dry ice:

### Dry Ice Production

ASCO's product range includes dry ice machines with production capacities from 150 to 750 kg per hour (331 to 1653 lb/h) consisting of models for the production of dry ice pellets for blasting or cooling purposes or dry ice blocks/slices for catering and transport purposes. Additionally, in Germany and Switzerland, ASCO offers a dry ice delivery service and complete concepts for onsite dry ice production incl. CO<sub>2</sub> storage tank and CO<sub>2</sub> delivery. In other countries you benefit from our large network of partners.

### Dry Ice Packing Machines

In order to wrap the freshly produced dry ice slices or pellets ASCO offers different dry ice wrapping machines that can be connected to our dry ice production machines. In cases where our standard layouts do not fit, a team of specialists takes care of customised solutions.

### Dry Ice Storage

Optimum dry ice logistics requires optimum storage of dry ice. ASCO offers various types of dry ice storage boxes and containers to minimise sublimation loss and keep the dry ice in best condition.

### CO<sub>2</sub> Gas Detectors

CO<sub>2</sub> gas detectors are used to protect personnel wherever CO<sub>2</sub> gas or dry ice is used in closed areas, for example when dry ice blasting or producing dry ice. ASCO CO<sub>2</sub> gas detectors ensure continuous and automatic CO<sub>2</sub> content measuring in the ambient air.

### CO<sub>2</sub> Gas Revert Recovery Systems for Dry Ice Machines

Save CO<sub>2</sub> and save money with an ASCO CO<sub>2</sub> revert recovery system by increasing the conversion rate from liquid CO<sub>2</sub> to dry ice from approx. 40% without to over 90% with a ASCO CO<sub>2</sub> revert recovery system.



### ASCO i-Series

At **ASCO, i-Series** stands for interconnected production. Be it for fast and efficient trouble shooting and maintenance or for gathering production and performance data - the **ASCO iSeries** offers a wide range of possibilities to link Industry 4.0 with dry ice production. All i-Series models are equipped with state-of-the-art remote control devices and thus are ready for a wide range of services in the areas of **Remote Access, Remote Data, Remote Management.**

#### Head Office

ASCO CARBON DIOXIDE LTD  
Industriestrasse 2, CH-8590 Romanshorn  
T +41 71 466 80 80 / F +41 71 466 80 66  
info@ascoco2.com

#### Subsidiary Germany

ASCO KOHLENSÄURE AG  
Sprudelstrasse 3, DE-53557 Bad Honningen  
T +49 2635 92 534-0  
F +49 2635 92 534 192

#### Subsidiary USA

ASCO CARBON DIOXIDE INC  
80-4 Industrial Loop North,  
Orange Park FL 32073  
T +1 877 633 0996  
usa@ascoco2.com

# Dry Ice Production

Technologies & Solutions

ascoco2.com



## ASCO Dry Ice Production - Ice cold know-how for every dry ice need

Be it for blasting or cooling, catering or transportation purposes, ASCO has your dry ice solution for all your requirements. Please contact our specialists for further information.

# ASCO

All about CO<sub>2</sub>



i-Series

### Dry Ice Pelletizer P15i

The compact, powerful and versatile dry ice pelletizer produces pellets in three different sizes for a medium-sized dry ice need. Industry 4.0 ready.

**Production capacity:**

150 kg/h (331 lb/h)

**Pellet sizes:**

3 mm, 10 mm, 16 mm (1/8, 3/8, 5/8 in)



i-Series

### Dry Ice Pelletizer P28i

This compact and powerful dry ice pelletizer has a production capacity of 280 kg/hr and meets the demands for higher quantities plus quality and flexibility in the daily working process. Industry 4.0 ready.

**Production capacity:**

280 kg/h (617 lb/h)

**Pellet sizes:**

3 mm, 10 mm, 16 mm (1/8, 3/8, 5/8 in)



i-Series

ASCO P55i

2 pellet sizes at once

### Dry Ice Pelletizer P55i

The ASCO Dry Ice Pelletizer P55i produces two identical or different pellet sizes simultaneously. Industry 4.0 ready.

**Production capacity:**

550 kg/h (1'212 lb/h)

**Pellet sizes:**

3 mm, 10 mm, 16 mm (1/8, 3/8, 5/8 in)



i-Series

### Dry Ice Pelletizer P75i

ASCO's most powerful pelletizer from the new i-Series. Production of very large quantities in continuous operation. Industry 4.0 ready.

**Production capacity:**

750 kg/h (1'653 lb/h)

**Pellet sizes:**

3 mm, 6 mm, 10 mm, 16 mm, 19 mm (1/8, 1/4, 3/8, 5/8, 3/4 in)



i-Series

### Dry Ice Machine BP420i

This automatic dry ice machine produces two different pellet sizes and ten different block/slice thicknesses at the push of a button. Industry 4.0 ready.

**Production capacity:** 240 - 400 kg/h (529 - 882 lb/h)

**Pellet sizes:** 3 mm, 6 mm, 10 mm, 16 mm (1/8, 1/4, 3/8, 5/8 in)

**Block/slice dimensions:**

210 mm x 125 mm (8.3 x 4.9 in)

**Thicknesses:** 20 - 70 mm (0.8 - 2.8 in)

other dimensions upon request



i-Series

Dry Ice Blocks

5 kg / 11 lb

### Dry Ice Machine BP425i

This automatic dry ice machine produces two different pellet sizes and ten different block/slice thicknesses at the push of a button. Industry 4.0 ready.

**Production capacity:** 190 - 400 kg/h (418 - 882 lb/h)

**Pellet sizes:** 3 mm, 6 mm, 10 mm, 16 mm (1/8, 1/4, 3/8, 5/8 in)

**Block/slice dimensions:**

210 mm x 125 mm (8.3 x 4.9 in)

**Thicknesses:** 20 - 125 mm (0.8 - 4.9 in)

other dimensions upon request



### Ice Loader for Dry Ice blocks / Slices

For the controlled transfer of dry ice blocks / slices from 1.2 kg (2.7 lb.) resp. 30 mm (1.2 in). The Ice Loader is tailored to the production capacities of the BP420i and BP425i.

**Block- / slice size:**

210 x 125 mm (8.3 x 4.9 in)



### Dry Ice Active Saw AAS

The electric active dry ice saw was specially designed for sawing dry ice slices.

**Sawing performance:**

Up to 600 dry ice slices/h

**Block dimensions:**

125 mm x 210 mm oder 254 mm

(5 in x 8 in x 10 in)

**Block thickness:**

16 - 70 mm (0.6 - 2.8 in)

**Variable sawing option**

Cut dry ice slices in half or thirds



i-Series

### Dry Ice Reformer A700Ri

The dry ice reformer A700Ri produces dense dry ice blocks/slices in various sizes by compressing dry ice pellets.

**Production capacity:**

300 - 700 kg/h (661 - 1'543 lb/h)

**Block/slice dimensions:**

210 mm x 125 mm (8.3 x 4.9 in)

**Thicknesses:** 16 - 60 mm (0.63 - 2.36 in)

(stepless)

## ASCO Dry Ice Production - Ice cold know-how for every dry ice need

Be it for blasting or cooling, catering or transportation purposes, ASCO has your dry ice solution for all your requirements. Please contact our specialists for further information.

# ASCO

All about CO<sub>2</sub>



### ASCO CO<sub>2</sub> Revert Recovery System from Dry Ice Production (RRS)

ASCO CO<sub>2</sub> Gas Revert Recovery Systems are engineered to efficiently recover the revert CO<sub>2</sub> gas from ASCO Dry Ice Pellet and Block Machines which normally direct the revert (flash) gas to the atmosphere. The RRS enables a conversion rate from liquid CO<sub>2</sub> to dry ice of 90 - 95%. This doubles your dry ice output with the same use of liquid CO<sub>2</sub>.

**Production capacity:**  
320 kg/h - 1020 kg/h (706 - 2249 lb/h)



### ASCO Pellets Bagging Machine PBM 500/1000/1500

With its packaging machine PBM, ASCO is presenting a compact solution for automated bagging of dry ice pellets.

**Production capacity:**  
700 - 1'500 kg/Std. (1'543 - 3'307 lb/h)  
**Bag sizes:**  
0.5 - 11 kg (1.1 - 24.2 lb)



### Wrapping Machine APM 120

The automatic wrapping machine is specifically designed for wrapping dry ice slices of various sizes.

**Production capacity:**  
Up to 60 slices/min  
**Block/slice dimensions:**  
Up to 210 mm x 125 mm (8.3 x 4.9 in)  
**Thicknesses:** 18 - 25 mm (0.7 - 1.0 in)

## New ASCO CAREFREE Rental Solutions



RENTAL FROM  
**€25**  
PER DAY

### ASCO Refilling System ARS

The automatic ASCO Dry Ice Refilling System ARS was specially developed to transfill dry ice pellets of various sizes precisely and as required into different containers and shipping boxes.

**Re-filling capacity:**  
Up to 2'000 kg/h (4'400 lb/h)

Benefit from ASCO dry ice technology - without any risks! You want to increase your dry ice production or replace old equipment? From now on you don't have to invest in new equipment. ASCO makes your decision easy and you can produce carefree.

#### Your advantages:

- 👍 Monthly fixed price
- 👍 Maximum predictability & flexibility
- 👍 Total risk minimization
- 👍 Service & maintenance included