

Dry Ice Production

Technologies & Solutions

ascoco2.com



Advantages of an in-house dry ice production

Independency

→ No dependency on suppliers (cost and timewise)

High flexibility

→ Dry ice is available at any time
→ The exactly required quantity can be produced

Process reliability

→ Always high quality of dry ice
→ No delivery delays caused by dry ice supplier

Cost optimization

→ No order, rental and transportation costs for dry ice and equipment
→ No order of unnecessary safety stock

Cooling efficiency

→ Dry ice has 3 times the cooling capacity of conventional water ice (approx. 640kJ/kg)

Thanks to **ASCOS i-Series** technology we interconnect our machines and offer contemporary, modern and individually customized solutions for your dry ice production.

ASCO CAREFREE is our rental solution for your dry ice production. You can produce your own dry ice without investing in the dry ice production equipment.

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 CO₂



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 R70i

The dry ice reformer R70i 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 CO₂



ASCO CO₂ Revert Recovery System from Dry Ice Production (RRS)

ASCO CO₂ Gas Revert Recovery Systems are engineered to efficiently recover the revert CO₂ 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 CO₂ to dry ice of 90 - 95%. This doubles your dry ice output with the same use of liquid CO₂.

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)



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)

New ASCO CAREFREE Rental Solutions



RENTAL FROM
€25
PER DAY

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