



# ASCO Dry Ice Pelletizer P75i

Art.-Nr.901154



The P75i dry ice pelletizer is the most powerful model in the ASCO i-Series dry ice machines. At ASCO, i-Series stands for networking. Whether for fast and efficient troubleshooting and machine maintenance or for recording production and performance data, the i-Series offers a range of options for combining Industry 4.0 and dry ice production.

The P75i is the workhorse among ASCO dry ice pelletizers with a production capacity of 750 kilograms per hour. It is designed for long-term operation and features a powerful hydraulic system controlled by an integrated PLC with touch screen. Fully automatic control of the oil temperature and the dry ice snowing process guarantees continuous dry ice production.

The P75i impresses with its low noise level as standard and can be optionally equipped with an automatic extruder plate changer. Switch production between two specified pellet sizes in seconds at the touch of a button.

Significantly increase the CO<sub>2</sub> conversion rate of your pelletizer by using an ASCO CO<sub>2</sub> recovery system.

### Benefits:

- Various pellet sizes
- Remote maintenance/support
- High production capacity
- Optional extruder plate changer

## Specifications:

Production capacity:	750 kg/h (1'653lb/h)
Voltage:	480 VAC ± 5 % / 60 Hz / 3 Ph + PE
Max power consumption:	19 kW (25.5 HP)
Dimension (L x W x H):	1'700x1'100x3'860mm (67x44x152in) (without exhaust pipe)
Weight net:	1'550kg (3'410lb) (without hydraulic oil & options) 1'800kg (3'960lb) (with hydraulic oil)
Weight packed:	2'250kg (4'950lb) (without hydraulic oil)
Ø consumption:	7.5 kW (10 HP)
Noise level P75i:	<82 dB(A)
CO <sub>2</sub> inlet connection:	1 x 1/2" BSP female CO <sub>2</sub> liquid 1 x 1/4" BSP female CO <sub>2</sub> gas
CO <sub>2</sub> source:	CO <sub>2</sub> storage tank, liquid phase (15–20 bar) (218–290psi)
CO <sub>2</sub> -conversion rate:	ca. 43% (without optional recovery)
Network connection:	LAN, Ethernet, WiFi, 4G



Pellet Size	1.7mm (1/16")	3mm (1/8")	10mm (3/8")	16mm (5/8")	19mm (3/4")
Operating Range	Dry Ice Blasting (structured surfaces)	Dry Ice Blasting	Cooling Purpose	Cooling Purpose	Cooling Purpose

**Equipped without extruder plate as standard.** Please select an extruder plate from the options.

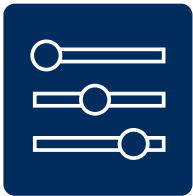
## ASCO Dry Ice Pelletizer P75i: Features



**Various Pellet Sizes** – Our dry ice pelletizers can produce pellets in a variety of sizes. This ensures you always have the right size for your specific application—from fine blasting processes to cooling, transportation, and storage.



**Optional automatic extruder plate change** – Enables quick switching between two different pellet sizes at the touch of a button – for maximum production flexibility.



**High production capacity**—Enables reliable and efficient dry ice production of up to 750 kg/h—even for demanding applications and high-volume needs.



**System Integration**—Can be seamlessly integrated into existing production and processing systems using predefined interfaces and flexibly expanded.



**Remote Maintenance/Support** - Thanks to modern remote maintenance technology, our experts can diagnose and resolve many issues directly online. This saves time, reduces downtime, and ensures maximum uptime for your dry ice machine.



**SIEMENS PLC** - controls the entire process, the injection, and the hydraulics for continuous automatic production

## ASCO Dry Ice Pelletizer P75i: Options

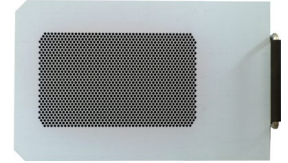
### Extruder Plate for 3 mm (1/8") Pellets

Art.-Nr. 4045146

**Pos. 001**

Extruder plate for ASCO dry ice pelletizer P75i with manual plate change

Pellets for **blasting purposes**



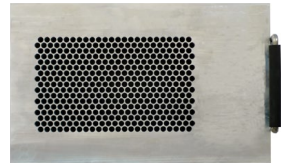
### Extruder Plate for 6 mm (1/4") Pellets

Art.-Nr. 4045147

**Pos. 002**

Extruder plate for ASCO dry ice pelletizer P75i with manual plate change

Pellets for **cooling purposes**



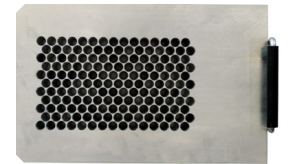
### Extruder Plate for 10 mm (3/8") Pellets

Art.-Nr. 4045148

**Pos. 003**

Extruder plate for ASCO dry ice pelletizer P75i with manual plate change

Pellets for **cooling purposes**



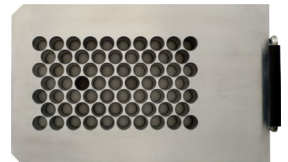
### Extruder Plate for 16 mm (5/8") Pellets

Art.-Nr. 4045149

**Pos. 004**

Extruder plate for ASCO dry ice pelletizer P75i with manual plate change

Pellets for **cooling purposes**



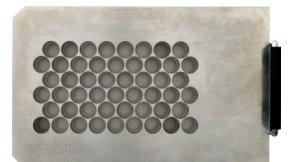
### Extruder Plate for 19 mm (3/4") Pellets

Art.-Nr. 4045150

**Pos. 005**

Extruder plate for ASCO dry ice pelletizer P75i with manual plate change

Pellets for **cooling purposes**



## ASCO Dry Ice Pelletizer P75i: Automatic pellet size change

### Automatic adjustment of pellet diameter

Art.-Nr. 4066382

**Pos. 006**

Option for automatic switching of production between two specified pellet diameters. Extruder plates not included. Please select the desired extruder plates from the options.



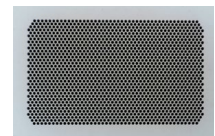
### Extruder Plate for 3 mm (1/8") Pellets

Art.-Nr. 4066385

**Pos. 007**

Extruder plate for ASCO Pelletizer P75i with automatic change of pellet sizes

Pellets for **blasting purposes**



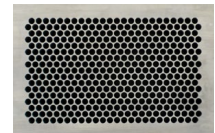
### Extruder Plate for 6 mm (1/4") Pellets

Art.-Nr. 4066458

**Pos. 008**

Extruder plate for ASCO Pelletizer P75i with automatic change of pellet sizes

Pellets for **cooling purposes**



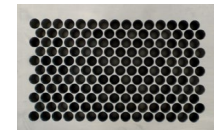
### Extruder Plate for 10 mm (3/8") Pellets

Art.-Nr. 4066459

**Pos. 009**

Extruder plate for ASCO Pelletizer P75i with automatic change of pellet sizes

Pellets for **cooling purposes**



### Extruder Plate for 16 mm (5/8") Pellets

Art.-Nr. 4066386

**Pos. 010**

Extruder plate for ASCO Pelletizer P75i with automatic change of pellet sizes

Pellets for **cooling purposes**



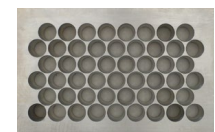
### Extruder Plate for 19 mm (3/4") Pellets

Art.-Nr. 4066460

**Pos. 011**

Extruder plate for ASCO Pelletizer P75i with automatic change of pellet sizes

Pellets for **cooling purposes**



## ASCO Dry Ice Pelletizer P75i: Options

### Spare Parts Package for P75i US

Art.-Nr.4066502

#### Pos. 012

Includes a recommended selection of spare parts to ensure continuous operation.



sample image

### Exhaust Pipe Set 250-160

Art.-Nr. 4045163

#### Pos. 013

For discharging exhaust gases into the atmosphere.  
Height approx. 300 cm



sample image

