



Art.-Nr.901516



Benefits:

- Produce two pellet sizes simultaneously
- High redundancy thanks to two independent systems
- Noise Level Reduction
- Smart-Signal
- Closed Housing
- Remote Control / Support
- Various Pellet Sizes

ASCO Dry Ice Pelletizer P55

The ASCO P55 dry ice pelletizer is a compact, powerful universal machine. It produces dry ice pellets in four different sizes via two separate outlets. With its adjustable production capacity of 200–550 kg/hour, it ensures maximum quality and flexibility in daily work processes.

Performance you can see. Not hear!

Maximum efficiency, reduced noise emissions, and even greater user-friendliness—the EVO-Series sets new standards in dry ice production. Experience innovative product features combined with proven ASCO quality.

The EVO series impresses with well-thought-out features for one of the most user-friendly dry ice production systems on the market! From the innovative quick-locking mechanism and optimally shielded housing with condensate drainage system to minimized noise emissions during operation of 65 dB(A) on average – every aspect has been designed for maximum performance and user-friendliness.

The conversion rate can be significantly increased with an ASCO CO₂ recovery system.

Specifications:

Production capacity:	200 - 550 kg/h (200-1212 lb/h) ± 5 % at min. 17 bar LCO ₂ inlet pressure For 1.7 mm pellets, maximum 400 kg/h (881 lb/h)
Voltage:	480 VAC ± 5 % / 60 Hz / 3 Ph + PE
Max. power consumption:	11 kW
Max. fuse:	32 A
Short circuit current I_{cp}:	6 kA
Dimensions (L×W×H):	2010 x 1400 x 1550 mm (without signal column) - (79 x 55 x 61in) 2010 x 1400 x 2335 mm (with signal column) - (79 x 55 x 92in)
Noise level during operation:	average 65 dB(A) / permanently below 70 dB(A)
Ambient temperature:	+5 °C to +40 °C
Weight ne:	1200kg (2645lb) (without hydraulic oil) 1380kg (3042lb) (with hydraulic oil)
Weight packed:	approx. 1280kg (2822lb) (without hydraulic oil)
CO₂ inlet connection (liquid):	1" BSP female thread
CO₂ source (liquid):	CO ₂ storage tank 16-18 bar / pressure fluctuation over 8 hours max. 1 bar
CO₂ connection to exhaust pipe:	2x 3" BSP female thread
CO₂ exhaust back pressure:	0.5 bar
Network connection	LAN, WiFi, 4G



Function and applications

The P55 requires a liquid CO₂ gas supply (16-18 bar pressure) and a power supply of 480 V / 60 Hz / 3 Ph + PE. The machine is started at the touch of a button and all functions are controlled by the built-in PLC. Dry ice snow is injected into the snow chamber, compressed, and then extruded by a hydraulically driven piston.

To ensure continuous, reliable operation of the pelletizer, oil temperature, oil level, cycle time, injection time, operating hours, service due date, motor power, amount of dry ice produced since the last start, CO₂ inlet pressure, and hydraulic pressure are constantly monitored and displayed on the touch screen.

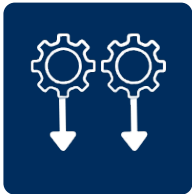
Pellet Size	1.7mm (1/16")	3mm (1/8")	10mm (3/8")	16mm (5/8")
Operating Range	Dry Ice Blasting (structured surfaces)	Dry Ice Blasting	Cooling Purpose	Cooling Purpose

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

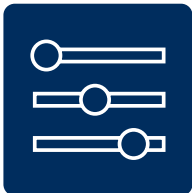
ASCO Dry Ice Pelletizer P55: Features



Produce two pellet sizes simultaneously – The P55 features two fully independent pressing lines, each with its own pressing chamber and hydraulic system. This allows two different pellet sizes to be produced at the same time. This increases operational flexibility and enables a pellet supply tailored to demand.



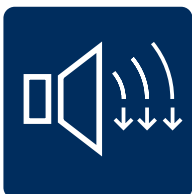
High redundancy – Thanks to the independently controllable press lines, production remains uninterrupted even when one line is undergoing maintenance or is out of service. This redundancy ensures high availability, reduced risk of downtime, and maximum operational reliability in day-to-day production.



Integrated production volume control—stepless adjustment of production volume between 200–550 kg/h. With favorites function for frequent production volumes.



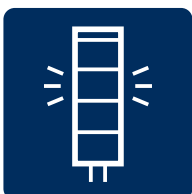
System Integration – Can be seamlessly integrated into existing production and processing systems using predefined interfaces and flexibly expanded.



Noise level reduction—the pelletizer operates at an average noise level of 65 decibels. It works effectively and quietly, making it easier to comply with noise protection regulations and improving working conditions for employees.



Closed Housing – Our pelletizers feature a closed housing with an efficient condensate drainage system. This protects the internal components and thus extends the service life of the machine. Ideal for use in demanding environments, the pelletizer offers reliable production.



Smart-Signal – The four-color signal light with integrated warning siren allows easy checking of the current operating status, even from a distance. The standardized color coding allows differentiation between "production," "ready for operation," "malfunction," or "input prompt."



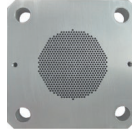
Remote Maintenance/Support – Thanks to modern remote maintenance technology, our experts can diagnose and resolve many issues directly online. This saves time, reduces downtime, and ensures maximum uptime for your dry ice machine.

ASCO Dry Ice Pelletizer P55: Options

Extruderplate 1.7 mm Art.-Nr. 4068115

Pos. 001

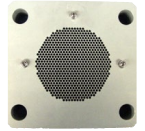
Extruder plate for 1.7 mm (1/16") pellets
Pellets for blasting purposes



Extruderplate 3 mm Art.-Nr. 4044250

Pos. 002

Extruder plate for 3 mm (1/8") pellets
Pellets for blasting purposes



Extruderplate 10 mm Art.-Nr. 4044255

Pos. 003

Extruder plate for 10 mm (3/8") pellets
Pellets for cooling purposes



Extruderplate 16 mm Art.-Nr. 4044253

Pos. 004

Extruder plate for 16 mm (5/8") pellets
Pellets for cooling purposes



Spare Parts Package Art.-Nr. 4071429

Pos. 005

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



sample image

Tool Kit Art.-Nr. 4071560

Pos. 006

Tool kit for standard
maintenance work on P15/P28/P55



Connection Kit 1" Art.-Nr. 4071343

Pos. 007

For connection to LCO₂ pipes.
For Pelletizer P15/P28/P15
Stainless steel
Length: 1.5 m



sample image

Degasser Art.-Nr. 4071850

Pos. 008

Degasser P15/P28/P55



sample image