



Art.-Nr. 901521



ASCO Dry Ice Pelletizer P15

The **ASCO P15 dry ice pelletizer** is a compact, powerful universal machine. It produces dry ice pellets in four different sizes. With its adjustable production capacity of 100–150 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-designed features for one of the most user-friendly dry ice production systems on the market! From the innovative quick-locking mechanism to an optimally shielded housing with condensate drainage system and 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.

Benefits:

- Noise Level Reduction
- Quick Lock System
- Smart-Signal
- Closed Housing
- Remote Control / Support
- Various Pellet Sizes

Specifications:

| | |
|--|---|
| Production capacity: | 100–150 kg/h (220–330 lb/h) ± 5% at min. 17 bar LCO ₂ inlet pressure For 1.7 mm pellets, maximum 140 kg/h (308 lb/h) |
| Voltage: | 480VAC± 5 %/60Hz/3Ph + PE |
| Max. power consumption: | 5.5 kW |
| Max. fuse: | 25 A |
| Short circuit current I_{cp}: | 6 kA |
| Dimensions (L × W × H): | 1560 x 800 x 1510 mm (61.42 x 31.59 x 59.45 in) (without signal column) 1560 x 800 x 2190 mm (61.42 x 31.59 x 86.22 in) (with signal column) |
| Noise level during operation: | average 65 dB(A) / permanently below 70 dB(A) |
| Ambient temperature: | +5 °C to +40 °C |
| Net weight: | 440 kg (970 lb) (without hydraulic oil) 550 kg (1212 lb) (with hydraulic oil) |
| Packaged weight: | approx. 600 kg (1322 lb)(without hydraulic oil) |
| CO₂ 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 exhaust pipe: | 3" BSP female thread |
| CO₂ exhaust back pressure: | 0.5 bar |
| Network connection | LAN, WiFi, 4G |



Function and applications

The P15 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 push 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 |

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

The P15 dry ice pelletizer is equipped as standard with an extruder plate for pellets with a diameter of 3 mm(1/8").

ASCO Dry Ice Pelletizer P15: Features



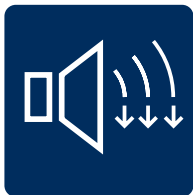
Quick-Lock— The new quick-lock-system facilitates access for maintenance and improves safety and workplace efficiency thanks to its simple operation and robust construction. It is ideal for fast-paced applications to keep machines up and running.



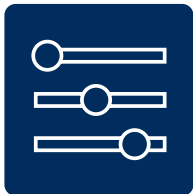
Closed Housing – Our pelletizers feature a closed housing with an efficient condensate drainage system. This protects the internal components and thus extends the service life of the machine. Ideal for use in demanding environments, the pelletizer offers reliable production.



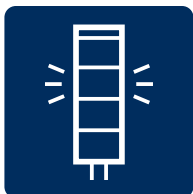
System Integration – Can be seamlessly integrated into existing production and processing systems using predefined interfaces and flexibly expanded.



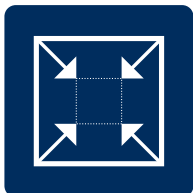
Noise level reduction—the pelletizer operates at an average noise level of 65 decibels. It works effectively and quietly, making it easier to comply with noise protection regulations and improving working conditions for employees.



Integrated production volume control—stepless adjustment of production volume between 100–150 kg/h. With favorites function for frequent production and a queue feature for production planning.



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."



Minimal space requirements for high production output—thanks to its compact design, dry ice production can be implemented in small spaces.



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.

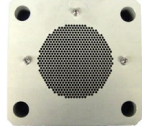
ASCO Dry Ice Pelletizer P15: Scope of delivery

Extruder Plate 3 mm

Art.-Nr. 4044250

Pos. 001

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

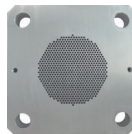


ASCO Dry Ice Pelletizer P15: Options

Extruder Plate 1.7 mm Art.-Nr. 4068115

Pos. 001

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



Extruder Plate 10 mm Art.-Nr. 4044255

Pos. 002

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



Extruder Plate 16 mm Art.-Nr. 4044253

Pos. 003

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



Tool Kit

Art.-Nr. 4071560

Pos. 004

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



Spare Parts Package Art.-Nr. 4071375

Pos. 004

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



sample image

Degasser

Art.-Nr. 4071850

Pos. 006

Degasser P15/P28/P55



Connection Kit 1" Art.-Nr. 4071343

Pos. 005

For connection to LCO₂ pipes.
For Pelletizer P15/P28/P55
Stainless steel
Length: 1.5 m



sample image