Dry Ice Production

ASCO Dry Ice Pelletizer A120P-D3

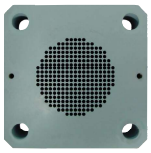
part no. 901010

The **ASCO** Dry Ice Pelletizer A120P is a compact, powerful and versatile machine producing high quality dry ice pellets in five different sizes (1.7, 3, 6, 10 and 16 mm) (1/16, 1/8 , 1/4 and 5/8 "). Having a production capacity of 120 kg/h (264.55 lb/h) this dry ice machine guarantees quality and flexibility in the daily working process.

The **ASCO** Dry Ice Pelletizer A120P is driven by a powerful hydraulic unit featuring a push button for instant start of production. All functions are controlled by a PLC. Fully automatic control of oil temperature and dry ice snowing process guarantees continuous dry ice production without any supervision right from push button start.

Benefits of an in-house dry ice production:

- if for dry ice blasting: more efficient cleaning results, because: the fresher the dry ice, the more efficient the cleaning
- shorter production stops
- reduction of dry ice lost due to sublimation
- decreased logistics expense connected with purchasing and disposing of dry ice



Extruder plate for 3 mm (1/8 ") pellets
The dry ice pelletizer A120P is standardly equipped with an extruder plate for pellets with a diameter of 3 mm (1/8 ").

Specifications

Production capacity:	120 kg/h* (264.55 lb/h) at 17.5 bar (253.8 psi) CO_2 inlet pressure
Voltage:	400 V / 50 Hz / 3 Ph + PE (other voltages on request)
Max. power consumption:	4 kW (5.36 HP)
Dimensions (L x W x H):	1‘320 x 700 x 1‘430 mm (51.97 x 27.56 x 56.29 in)
Weight net:	approx. 340 kg (749.57 lb) (without hydraulic oil) approx. 360 kg (793.66 lb) (with hydraulic oil)
Weight packed	approx. 450 kg (992 lb) (without hydraulic oil)
CO_2 inlet connection:	1/2“ BSP female
CO_2 source:	CO_2 storage tank, liquid phase (13 - 21 bar) (188.5 - 304.6 psi)

* 1.7 mm (1/16 ") dry ice pellets can be produced at a max. production capacity of 95 kg/h (209.44 lb/h)

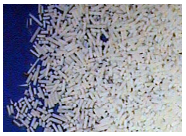
ASCO Dry Ice Pelletizers A120P-D3: Special features

Function and applications

The **ASCO** Dry Ice Pelletizer A120P requires a liquid CO_2 supply (pressure 13 - 21 bar) (188.5 - 304.6 psi) and power supply of 400 V / 50 Hz / 3 Ph + PE (other voltages available on request). The machine features instant push button start and all functions are controlled by an inbuilt PLC. Dry ice snow is produced in the snowing chamber, pressed and then extruded by a powerful hydraulic unit. To ensure continuous, reliable operation of the pelletizer, oil temperature, oil level, cycle time, motor overload, CO_2 inlet pressure and hydraulic pressure are all monitored and displayed on the control panel.

Options

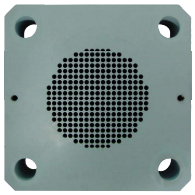
The **ASCO** Dry Ice Pelletizer A120P is standardly equipped with an extruder plate for pellets with a diameter of 3 mm (1/8 "). 3 mm (1/8 ") pellets are used especially for dry ice blasting purposes. Optional extruder plates for Pellets in four other sizes are available. Of course, the A120P can also be delivered standardly equipped with the following extruder plates.

Pellet size	 1.7 mm (1/16 ")	 3 mm (1/8 ")	 6 mm (1/4 ")	 10 mm (3/8 ")	 16 mm (5/8 ")
Operating range	Dry ice blasting (structured surfaces)	Dry ice blasting	Cooling purposes	Cooling purposes	Cooling purposes

ASCO Dry Ice Pelletizer A120P-D3: Standard scope of supply

Extruder plate for 3 mm (1/8 ") pellets — **part no. 4044839**

Pellets for **blasting purposes**



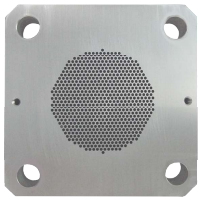
ASCO Dry Ice Pelletizer A120P-D3: Options

Pos. 001

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

Pellets for **blasting purposes**

part no. 4044843



Pos. 002

Extruder plate for 6 mm (1/4 ") pellets

Pellets for **cooling purposes**

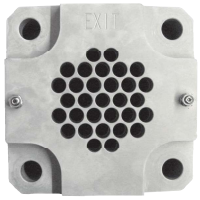
part no. 4045031

Pos. 003

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

Pellets for **cooling purposes**

part no. 4045030



Pos. 004

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

Pellets for **cooling purposes**

part no. 4044837

Pos. 005

Machine base

For filling of higher storage containers or dry ice blasting units

Increases the total height by 200 mm (7.87 in)

part no. 4044838

Pos. 006

Spare parts kit

Containing a selection of recommended spares for approx.
one to two years of normal operation

part no. 4044491