

# Dry Ice Production

## ASCO Dry Ice Pelletizer P450

part no. 900124



The **ASCO** Pelletizer P450 is a compact high-capacity pelletizer for the production of densely compressed dry ice pellets and has a production capacity of 450 kg/h (992 lb/h).

The **ASCO** dry ice pelletizer P450 incorporates a heavy duty type hydraulic system controlled by an integrated PLC with touch screen interface. Fully automatic control of oil temperature and dry ice snowing process warrants continuous dry ice production without any supervision right from the start at the press of a button. Using high quality components like Atos, Siemens, Schneider, Proface etc. for the hydraulic system ensures reliable operation and, therefore, very little maintenance is necessary.

The available extruder plates can be quickly exchanged manually.

To maximise the CO<sub>2</sub> to dry ice conversion ratio the dry ice pelletizer can be connected to an **ASCO** Revert Gas Recovery System.

### 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

**Standardly equipped without extruder plate.**

Please refer to the options below.

### Specifications

Dimension (L x W x H):	1'700 x 1'100 x 3'700 mm (66.93 x 43.3 x 145.67 in)
Weight net:	approx. 1'700 kg (3'747.86 lb)
Production capacity:	450 kg/h (992 lb/h)
Voltage:	400 Vac, 50 Hz, 3 Ph + PE (other voltages on request)
Max power consumption:	7.5 kW (10.06 HP)
CO <sub>2</sub> inlet connection:	1 × 1/2" BSP female CO <sub>2</sub> liquid 1 × 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) (217.56-290 psi)

## ASCO Dry Ice Pelletizer P450: Options

Pos. 001

### Extruder plate for 3 mm (1/8 in) pellets

Pellets for **blasting purposes**

part no. 4045146



Pos. 002

### Extruder plate for 6 mm (1/4 in) pellets

Pellets for **cooling purposes**

part no. 4045147

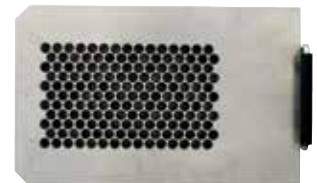


Pos. 003

### Extruder plate for 10 mm (3/8 in) pellets

Pellets for **cooling purposes**

part no. 4045148



Pos. 004

### Extruder plate for 16 mm (5/8 in) pellets

Pellets for **cooling purposes**

part no. 4045149

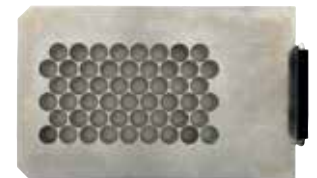


Pos. 005

### Extruder plate for 19 mm (3/4 in) pellets

Pellets for **cooling purposes**

part no. 4045150



Pos. 006

### Spare parts kit

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

part no. 4045187

