

# Dry Ice Production

## ASCO Dry Ice Pelletizer A30P-D3

part no. 900600



The **ASCO** Dry Ice Pelletizer A30P having a production capacity of 30 kg per hour (66.14 lb/h) is suitable for the production of small amounts of dry ice for cooling purposes.

The **ASCO** Dry Ice Pelletizer A30P 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 in) pellets

The dry ice pelletizer A30P-D3 is standardly equipped with an extruder plate for the production of pellets with a diameter of 3 mm (1/8 in).

### Specifications

|  |  |
|--|--|
| Production capacity:                     | 30 kg/h (66.14 lb/h) at 17.5 bar (253.82 psi) CO <sub>2</sub> inlet pressure                       |
| Voltage:                                 | 400 V / 50 Hz / 3 Ph + PE (other voltages on request)  |
| Max. power consumption:                  | 1.6 kW (2.15 HP)   |
| Dimensions pelletizer (L x W x H):       | 1'150 x 600 x 700 mm (45.28 x 23.62 x 27.56 in)  |
| incl. standard machine base (L x W x H): | 1'150 x 600 x 1'300 mm (45.28 x 23.62 x 51.18 in)  |
| Weight net incl. standard machine base:  | approx. 147 kg (324 lb) (with hydraulic oil)<br>approx. 141 kg (310.85 lb) (without hydraulic oil) |
| CO <sub>2</sub> inlet connection:        | 1/2" BSP female  |
| CO <sub>2</sub> source:                  | CO <sub>2</sub> storage tank, liquid phase (13- 21 bar) (188.5-304.6 psi)                          |

(We recommend to choose additionally a machine base as option to the pelletizer, see following pages)

## ASCO Dry Ice Pelletizer A30P-D3: Special features

### Function and Applications

The **ASCO** Dry Ice Pelletizer A30P requires a liquid CO<sub>2</sub> supply (pressure 13-21 bar (188- 304 psi) and power supply of 400V/50Hz/3Ph + 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. Hard, dense dry ice pellets are produced within less than one minute after push button start. To ensure continuous, reliable operation of the pelletizer, oil temperature, cycle time, motor overload, CO<sub>2</sub> inlet pressure and hydraulic pressure are all monitored and displayed on the control panel.

**Remark:** Can only be run with low pressure tank (15-21 bar / 217-305 psi) - not with cylinders.

### Options

The **ASCO** Dry Ice Pelletizer A30P-D3 is standardly equipped with an extruder plate for the production of pellets with a diameter of 3 mm (1/8 in). Such pellets are used especially for dry ice blasting purposes. Optional extruder plates for pellets with a diameter of 6 mm (1/4 in) , 10 mm (3/8 in) and 16 mm (5/8 in) are available. The A30P, however, can also be delivered standardly equipped with extruder plates for 6, 10 or 16 mm (1/4, 3/8 or 5/8 in) pellets.

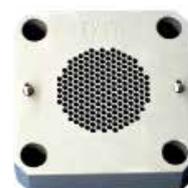
|                        |   |   |  |   |
|------------------------|---|---|--|---|
| <b>Pellet size</b>     |  |  |  |  |
|                        | 3 mm (1/8 in)   | 6 mm (1/4 in)   | 10 mm (3/8 in)   | 16 mm (5/8 in)  |
| <b>Operating range</b> | Dry ice blasting  | Cooling purposes  | Cooling purposes   | Cooling purposes  |

## ASCO Dry Ice Pelletizer A30P-D3: Standard scope of supply

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

Pellets for **blasting purposes**

part no. **4044517**



## ASCO Dry Ice Pelletizer A30P-D3: Options

Pos. 001

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

Pellets for cooling purposes

part no. 4044519



Pos. 002

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

Pellets for cooling purposes

part no. 4044518



Pos. 003

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

Pellets for cooling purposes

part no. 4044516



Pos. 004

### Standard machine base

For filling of dry ice storage containers or an ASCOJET 1701 or 2001RX

Increases the total height by 600 mm (23.62 in)

part no. 4063029



Pos. 005

### Higher machine base

For filling of higher storage containers or dry ice blasting units

Increases the total height by 800 mm (31.5 in)

part no. 4044520



Pos. 006

### Spare parts kit

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

part no. 4044521

