

All about



In addition to dry ice pelletizers we also manufacture and supply:

- Automatic CO2 Production Plants
- CO2 Stack Gas Recovery Plants
- Dry Ice Slices/Block/Pelletizer Machines
- CO2 Gas Recovery Systems for Dry Ice Machines
- Cryogenic and CO2 Static and Transportable Tanks
- Complete dry ice blasting systems
- CO2 Cylinder Filling Systems
- CO2 Atmospheric Vaporisers
- CO2 Detectors
- CO2 Flowmeters
- Low to Low Pressure CO2 Transfer Pumps
- CO2 Testing Equipment (Dew Point / Purity / Carbonation)
- Ancillary CO2 Equipment



1290e

Ask us for further details and offer:

Switzerland (Head Office)
 Industriestr. 2, CH-8590 Romanshorn
 Tel. + 41 71 466 80 80 Fax + 41 71 466 80 66
 e-mail: info@ascoco2.com

ASCO CARBON DIOXIDE LTD

www.ascojet.com

New Zealand
 Box 16134, NZ-Christchurch
 Tel. + 64 3 349 7029 Fax + 64 3 349 4337
 e-mail: info@asco.co.nz

ASCO Dry Ice Pelletizer Type A120P



The fully automatic, hydraulically driven dry ice pelletizer A120P is a compact, powerful and versatile machine. The A120P produces pellets in five different sizes. It supplies always freshly produced dry ice of high quality for dry ice blasting as well as for cooling purposes.

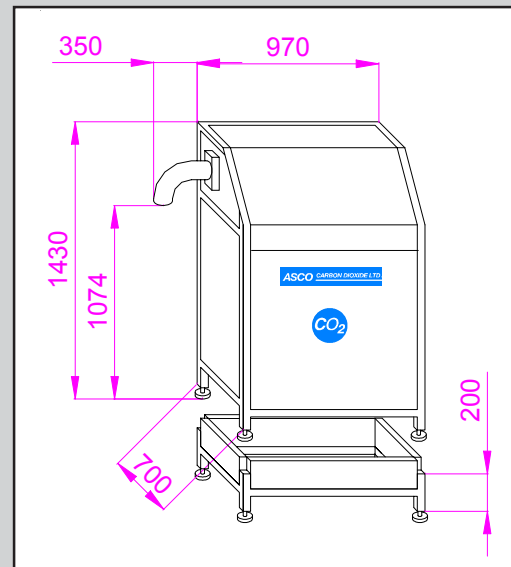
An in-house dry ice production guarantees a maximum of quality and flexibility in the daily working process. Even for gas companies the A120P is the ideal tool because it permits the building of independent production centres to correspond to local market requirements with fresh dry ice.

Function and Applications

The A120P dry ice pelletizer requires a liquid CO2 supply (pressure 13 - 21 bar) and power supply of 400 V / 50 Hz / 3 P+E (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, CO2 inlet pressure and hydraulic pressure are monitored and displayed on the control panel.

Technical Specifications

- Production capacity: 120 kg/h* at 17.5 bar CO2 inlet pressure
- Voltage: 400 V / 50 Hz / 3 P+E (other voltages on request)
- Power consumption: 4 kW
- Dimensions (W x D x H): 1320 x 700 x 1430 mm
- Weight net: 340 kg (without hydraulic oil)
- approx. 360 kg (with hydraulic oil)
- Weight packed approx. 450 kg (without hydraulic oil)
- CO2 inlet connection: 1/2" BSP female
- CO2 source: CO2 Storage Tank, liquid phase (13 - 21 bar)



* 1.7 mm dry ice pellets can be produced at a max. production capacity of 95 kg/hr

The dry ice pelletizer A120P is standardly equipped with an extruder plate for pellets with a diameter of 3 mm. 3 mm 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	3 mm	6 mm	10 mm	16mm
Application	Dry ice blasting (structured surfaces)	Dry Ice Blasting purposes	Cooling purposes	Cooling purposes	Cooling purposes

Automatic Dry Ice Filling System

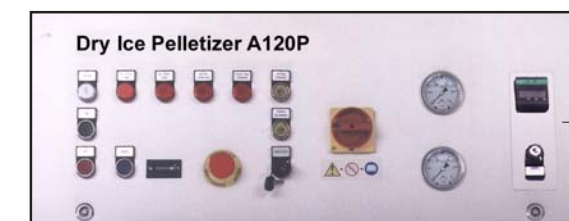
As the machine is fully automatic, start/stop can be achieved by simply pressing a button. With the addition of an optional control system, this unit can be set to automatically fill all kinds of blasting machines or storage containers.



To fill a larger blasting unit, the pelletizer can be delivered with one or more optional machine bases to increase its height by 200 mm each.

The optional automatic filling system with the appropriate control system allows a preset low dry ice level to automatically start the dry ice pelletizer, with automatic stop at the preset high level. For industries like tyre/rubber manufacturers, producers of PU-parts, foundries etc. who need to clean moulds, a stationary dry ice blasting system is often required, and this higher level of automation is ideal.

The automatic fill control system can also be added at a later stage to the A120P pelletizer if required. The interface for a later installation of the automatic filling system is already integrated in the control panel.



Control for automatic filling system

Versions and Options

Automatic dry ice filling system with a platform of 600 x 800 mm which is suitable for all ASCOJET and similar sized blasting units and smaller storage containers

Automatic dry ice filling system with a platform of 1000 x 1000 mm which is for all larger blasting machines and storage containers

Additional machine base to increase the height by 200 mm for the automatic filling of an ASCOJET 2001RS or ASCOJET 2001 CS