

DRY ICE PRODUCTION

Pelletizer HP 250

Hydraulic Pelletizer

- high-performance heat exchanger for maximum conversion rate
- simple to install and use
- high pellet density

Dry ice production

The DIS Dry Ice Systems HP 250 Pelletizer produces high density dry ice pellets from liquid CO₂ (carbon dioxide). Liquid CO₂ is fed into the Pelletizer from a low pressure storage tank and released through a dispensing valve to form dry ice snow. The interactive piston in the Pelletizer presses the snow through a die to form high-density dry ice pellets.



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Technical specification:

Weight:	700 kg (1543 lbs), steel housing
Dimensions:	(W x L x H) 800 x 1850 x 1550 mm (32 x 73 x 61 inch)
Production quantity:	up to 250 kg/h (551 lbs)
Pellet size:	cylindrical, 3 mm diameter (standard die), other sizes optional
Pressure for CO ₂ inlet:	16 bar (232 psi) - 20 bar (290 psi)
CO ₂ consumption:	approximately 400 kg/h (882 lbs)
CO ₂ tank requirement:	cold storage with liquid and gaseous removal max. 20 bar (290 psi)
Dryness of CO ₂ :	min. 66 ppm or equivalent of a dew point min. -45°C (-49°F)
Feed pipe for CO ₂ :	DN 20 (3/4"), maximum continuous
Motor output:	16 kW
Voltage:	400 V / 50 Hz
No. of poles:	3
Protection class:	IP 54
External fuse:	32 A
Oil tank capacity:	60 liter
Article number:	430 000