

# DRY ICE PRODUCTION

## Pelletizer DP 160

### Reduce costs!

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

### Dry ice production

The DIS Dry Ice Systems DP 160 Pelletizer produces high density dry ice pellets from liquid CO<sub>2</sub> (carbon dioxide). Liquid CO<sub>2</sub> 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.



### Technical specification:

Weight:	600 kg (1323 lbs), steel housing
Dimensions:	(W x L x H) 700 x 1700 x 1500 mm (28 x 67 x 60 inch)
Production quantity:	160 kg/h (353 lbs) - 200 kg/h (441 lbs)
Pellet size:	cylindrical, 3 mm diameter (standard die), other sizes optional
Pressure for CO <sub>2</sub> inlet:	16 bar (232 psi) - 20 bar (290 psi)
CO <sub>2</sub> consumption:	320 kg/h (705 lbs)
CO <sub>2</sub> tank requirement:	cold storage with liquid and gaseous removal max. 20 bar (290 psi)
Dryness of CO <sub>2</sub> :	min. 66 ppm or equivalent of a dew point min. -45°C (-49°F)
Feed pipe for CO <sub>2</sub> :	DN 20 (3/4"), maximum continuous
Power consumption:	4 kW
Voltage:	400 V / 50 Hz
No. of poles:	3
Protection class:	IP 54
Drive type:	V-belt
External fuse:	16 A
Winch housing oil capacity:	5 liter
Article number:	420 000