HIGH-VOLUME DRY ICE PRODUCTION

PR1500H



THE MOST EFFICIENT LINE OF PELLETIZERS ON THE MARKET

FULLY AUTOMATED
One touch operation with Closed-Chamber technology

QUICK START-UP
Less than 3 minutes

SUB-COOLING TECHNOLOGY
Lowest LCO_2 conversion rate on the market

AUTOMATIC QUICK DIE CHANGE
Performed in seconds

STAINLESS STEEL ENCLOSURE
Moisture-Free & Noise Reducing

Cold Jet CONNECT™
Industry 4.0 enabled
Remote monitoring, diagnostics, and implementation of corrective action

Compliant with the EU Machinery Directive (CE) and UL Design Standard for the electrical cabinet.

Machine will operate within both cold and warm weather conditions.

†Connection at the machine is 1 ½" weld flange connection. For optimum performance the liquid CO_2 supply at the pelletizer inlet must be free of CO_2 gas phase.

RATED OUTPUT
Up to 3,306 lb/hr (1500 kg/hr) of high quality dry ice pellets

DRY ICE PARTICLE SIZE
3mm, 6mm, 10mm, or 16mm via Automatic Quick Die Change

MACHINE DIMENSIONS
Length x Width x Height:
87in (2210mm) x 71.6in (1820mm) x 84.6in (2150mm)
Weight: 8,818 lb (4000 kg)*
** Includes hydraulic oil*

POWER SUPPLY
3 x 480 V AC / 60Hz
(3 x 400 V AC / 50Hz)
Imax: 63A
Solidly Grounded Wye Source
(TN-S Earthing System)

RATED POWER
33.5 Hp (25 kW)

HMI DISPLAY
15.6 in Color Touch Screen

NOISE LEVEL
Less than 80 db(A)

INLET LIQUID CO_2 PRESSURE†
188 - 261 psi (13-18 bar)

COMPRESSED AIR SUPPLY
116 - 145 psi (8-10 bar)

AIR QUALITY
ISO 8573-1, Minimum Class 3

CO_2 QUALITY
5 - 35 ppm (-66 to -51°C)
Note: The liquid CO_2 supply must be completely free of oil with a purity minimum of 99.9%

BACK PRESSURE ON REVERT GAS
Less than 14.5 psi (less than 1 bar)

EXHAUST GAS PIPE
Internal Diameter: 4.5 in (114 mm)

PRODUCTION AREA REQUIREMENTS
Ambient Temperature between 41°F and 109°F (5°C and 43°C)

Cold Jet® the force of nature

Learn more at coldjet.com