



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 LCO₂ 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 1/2" weld flange connection.
For optimum performance the liquid CO₂ supply at the
pelletizer inlet must be free of CO₂ 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)

I_{max}: 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 CO₂ PRESSURE[†]

188 - 261 psi (13-18 bar)

COMPRESSED AIR SUPPLY

116 - 145 psi (8-10 bar)

AIR QUALITY

ISO 8573-1, Minimum Class 3

CO₂ QUALITY

5 - 35 ppm (-66 to -51°C)

Note: The liquid CO₂ 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)