IP 100 H Basic, IP 100 H

A hydraulic pelletizer converting liquefied carbon dioxide into high-quality impermeable dry ice pellets.

3 pellet sizes
1.5 mm / 3 mm / 16 mm

High-quality
dry ice pellets

External heat exchanger

Minimum operating costs

Compact size

DIE PLATES FOR MAKING 1,5 mm /3 mm /16 mm PELLETS

7" HMI TOUCH SCREEN PANEL

REMOTE ACCESS

ANTI-VANDAL BUTTONS

ROBUST STEEL FRAME WITH ANTI-CORROSIVE TREATMENT





INTERCHANGABLE DIE PLATES



ADVANCED CONTROL MODULE SIEMENS S7-1200

Development

Manufacturing

Maintenance and Repair

Training

Characteristics

With the IP 100 H hydraulic unit, you will be able to produce desired quantities of high-quality dry ice pellets in-house and at a time of your choice.

If you need larger pellet quantities regularly, in-house dry ice making will bring you many benefits.

When transported over long distances, dry ice is prone to loss through sublimation. During storage and transport, dry ice loses not only weight but quality as well. Liquefied CO2, on the other hand, may be stored without losses in a tank in the place of production. The quality of dry ice has an important bearing on the dry ice blasting performance!

The compact IP 100 H hydraulic pelletizing unit is able to make three high-quality dry ice pellet sizes. Higher-class models are supplied with three replaceable die plates for 1.5 mm, 3 mm and 16 mm pellets.

The modern pellet-making process is electronically controlled; the SIEMENS SIMATIC S7-1200 module enables remote diagnostics, which helps to reduce operation, maintenance and repair costs. Intuitive control and a digital display enhance the professional design of the machine.

The powerful hydraulic unit with a robust cylinder is custom-made by a renowned hydraulic unit manufacturer, and it comes with a sufficient capacity reserve to ensure long service life.
The external heat exchanger multiplies the pellet making efficiency: the production capacity of IP 100 H is 120-130 kg of 3 mm dry ice pellets per hour. The compact size of the unit minimizes its operating space requirements.

Make your own pellets to become independent, improve your profitability and supply dry ice to customers in your neighbourhood.

Technical specifications

- **Dimensions**
  Length: 889 mm
  Width: 1281 mm
  Height: 1 590 mm
- **Hydraulic unit**
  Capacity 50 l
- **Output**
  120 kg/h
- **Co2 connection**
  3/4" AG (IP-100-H), 1" AG (heat exchanger)
- **Power supply**
  Rated power: 7,5kW
  3x400VAC+N+PE, 50-60 Hz
- **Pellet size**
  1,5 mm / 3 mm / 16 mm
- **Weight**
  500 kg
- **Co2 consumption**
  258 - 288 l/h
- **Co2 pressure**
  12-21 bar





Standard package contents

- **External heat exchanger**
- **Extrusion Die**
  3 mm

PLUS Accesories

- **Extrusion Die**
  1.5 mm, 3 mm, 16 mm