



enICEco dry ice pelletizer DIP100

In house production of high density dry ice pellet offers many advantages:

- Delivery/production with short notice
- Reduction in losses, by manufacturing only what is needed
- Fresh pellets for better cleaning or cooling

The important factors, when considering purchasing a dry ice pelletizer is, besides the obvious fact that you want lowest capital investment cost, also that you get a machine with well-known reliable components, with the minimum of maintenance cost.

Besides a durable 100% stainless steel cabinet, we only use components from Danfoss, Siemens and high performance hydraulics power unit as key components for the operation of the enICEco DIP100 pelletizer. All component suppliers with world-wide service in the unlikely event of having to replace or service of a component.

When manufacturing dry ice the conversion of liquid CO₂ to dry ice is about 2,5 kg of liquid CO₂ to make 1 kg of dry ice.

The special design for supplying liquid CO₂ to our press chamber, brings the conversion closer to 2,2. That of course also requires that the installation of the LCO₂ tank and supply piping from the tank to the pelletizer is done according to our guidelines.

The stainless-steel cabinet is designed so that it easily can be moved around with a fork lift, which facilitate regular, easy cleaning around and under the machine. Larger removable panels give a spacious access to all parts inside the pelletizer and makes routine maintenance time and cost efficient.

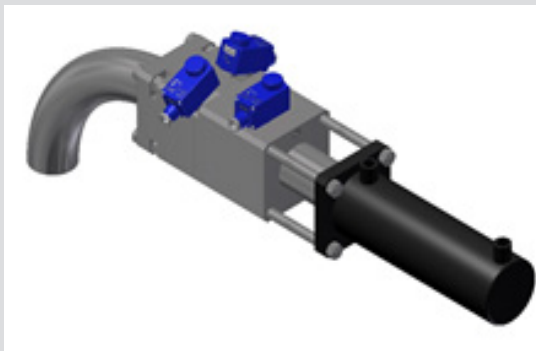
The control of the pelletizer can be accessed from the large display. Remote control applications are available to start/stop of the pelletizer.

Technical data and specifications:

Production capacity:	100 kg/hour @ 16-18 bar	
Standard extruding plates:	3 mm	
Voltage:	400V-50 hHz (16 Amp)	
Power consumption:	5,5 kW	
Dimension:	Length:	110 cm
	Width:	70 cm
	Height:	170 cm
Weight:	450 kg empty	490kg *

*With hydraulic oil.

The pelletizer can operate with LCO2 tank pressure from 13 to 25 bar. The piping from tank to pelletizer must be cryogenic insulated piping, so a minimum distance from tank to pelletizer is ideal.



Dry ice cannot be stored the same way as liquid CO2. The natural sublimation of dry ice will make the dry ice disappear with a rate of minimum 5-10% per day. Even in special designed and highly insulated dry ice containers.

Dry ice is widely available in most industrial areas around the world and larger industrial gas companies can often supply at competitive prices.

So, who can benefit from having in house production of dry ice?

- Customers and users of dry ice with long transport time and distance to supplier.
- Customers who require short response time from ordering to use.
- Customers where the pay back calculation shows significant savings. Production cost calculation can be found on our home-page.



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