Dry Ice Production

ASCO Dry Ice Pelletizer P450

The ASCO Pelletizer P450 is a compact high-capacity pelletizer for the production of densely compressed dry ice pellets and has a production capacity of 450 kg/h (992 lb/h).

The ASCO dry ice pelletizer P450 incorporates a heavy duty type hydraulic system controlled by an integrated PLC with touch screen interface. Fully automatic control of oil temperature and dry ice snowing process warranties continuous dry ice production without any supervision right from the start at the press of a button. Using high quality components like Atos, Siemens, Schneider, Proface etc. for the hydraulic system ensures reliable operation and, therefore, very little maintenance is necessary.

The available extruder plates can be quickly exchanged manually.

To maximise the CO₂ to dry ice conversion ratio the dry ice pelletizer can be connected to an ASCO Revert Gas Recovery System.

Benefits of an in-house dry ice production:

- if for dry ice blasting: more efficient cleaning results, because: the fresher the dry ice, the more efficient the cleaning
- shorter production stops
- reduction of dry ice lost due to sublimation
- decreased logistics expense connected with purchasing and disposing of dry ice

Standardly equipped without extruder plate.

Please refer to the options below.

Specifications

<table>
<thead>
<tr>
<th>Dimension (L x W x H)</th>
<th>1'700 x 1'100 x 3'700 mm (66.93 x 43.3 x 145.67 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight net:</td>
<td>approx. 1'700 kg (3’747.86 lb)</td>
</tr>
<tr>
<td>Production capacity:</td>
<td>450 kg/h (992 lb/h)</td>
</tr>
<tr>
<td>Voltage:</td>
<td>400 Vac, 50 Hz, 3 Ph + PE (other voltages on request)</td>
</tr>
<tr>
<td>Max power consumption:</td>
<td>7.5 kW (10.06 HP)</td>
</tr>
<tr>
<td>CO₂ inlet connection:</td>
<td>1 × 1/2” BSP female CO₂ liquid</td>
</tr>
<tr>
<td></td>
<td>1 × 1/4” BSP female CO₂ gas</td>
</tr>
<tr>
<td>CO₂ source:</td>
<td>CO₂ storage tank, liquid phase (15 - 20 bar) (217.56 - 290 psi)</td>
</tr>
<tr>
<td>Pos. 001</td>
<td>Extruder plate for 3 mm (1/8 in) pellets</td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td>Pellets for <strong>blasting purposes</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 002</th>
<th>Extruder plate for 6 mm (1/4 in) pellets</th>
<th>part no. 4045147</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pellets for <strong>cooling purposes</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 003</th>
<th>Extruder plate for 10 mm (3/8 in) pellets</th>
<th>part no. 4045148</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pellets for <strong>cooling purposes</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 004</th>
<th>Extruder plate for 16 mm (5/8 in) pellets</th>
<th>part no. 4045149</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pellets for <strong>cooling purposes</strong></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 005</th>
<th>Extruder plate for 19 mm (3/4 in) pellets</th>
<th>part no. 4045150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pellets for <strong>cooling purposes</strong></td>
<td></td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pos. 006</th>
<th><strong>Spare parts kit</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Containing a selection of recommended spares for approx. one to two years of normal operation</td>
<td>part no. 4045187</td>
</tr>
</tbody>
</table>