Correct conditioning of a feed compound for pelleting is necessary in order to obtain a good pellet quality and effective utilization of the pelleting installation. Conditioning results in the desired activation of natural binders in the ingredients by using heat, moisture, and time.
ANDRITZ CONDITIONERS PROVIDE
• Excellent mixing and optimum retention time
• Uniform feeding to the pellet mill or extruder
• Clean-design stainless steel construction
• Easy inspection and cleaning
• Wide paddles – individually adjustable
• Large-diameter shaft for maximum filling and mixing efficiency
• Unique, multiple-orifice steam injection manifold
• Controlled steam and liquid addition
• Efficient absorption of steam and liquid additives provides optimum conditioning

DESIGN
The large-volume conditioner has a large-diameter shaft with individually adjustable stainless steel paddles ensuring maximum filling and mixing efficiency.

The shaft is mounted in pedestal bearings containing grease seals to ensure long lifetime. The stainless steel trough features easily accessible cleaning and service hatches.

The conditioner can be supplied for two different applications: pelletizing and extrusion. The conditioner for pelletizing has an integrated steam manifold distributing the steam evenly to the product and two separate injections for adding molasses. For extrusion, the steam manifold includes adjustable steam valves to manually adjust the steam. The liquid are added using the same nozzles as the steam pipe. The conditioner can be supplied fully mounted with gear motor.

CONTROLLED STEAM AND LIQUID ADDITION
The unique, multiple-orifice steam injection manifold distributes steam to the raw material depending on the absorption capacity of the compound. When used in feed applications, molasses, fat, and so on are added through injection nozzles, ensuring optimum absorption of steam and liquid additives, thus giving maximum temperature and homogeneity in the conditioned compound.

The ability of the conditioner to mix raw materials and liquids effectively makes it suitable for a wide range of mixing processes in pelleting and extrusion plants.

TECHNICAL DATA
CM range conditioner

<table>
<thead>
<tr>
<th>Conditioner</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>Volume (cu. ft.)</th>
<th>Steam inlet</th>
<th>Steam inlet</th>
<th>Max power 50 Hz</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM701</td>
<td>2500</td>
<td>500</td>
<td>420</td>
<td>7 x 1&quot;</td>
<td>-</td>
<td>11 15</td>
<td>1250</td>
</tr>
<tr>
<td>CM750L</td>
<td>3000</td>
<td>600</td>
<td>750</td>
<td>6 x 1&quot;</td>
<td>9 x 1&quot;</td>
<td>15 20</td>
<td>1600</td>
</tr>
<tr>
<td>CM1000L</td>
<td>4000</td>
<td>600</td>
<td>1000</td>
<td>6 x 1&quot;</td>
<td>9 x 1&quot;</td>
<td>18.5 25</td>
<td>1950</td>
</tr>
<tr>
<td>CM1500L</td>
<td>3750</td>
<td>750</td>
<td>1500</td>
<td>6 x 2&quot;</td>
<td>-</td>
<td>22 30</td>
<td>2300</td>
</tr>
<tr>
<td>CM2000L</td>
<td>5000</td>
<td>750</td>
<td>1960</td>
<td>6 x 2&quot;</td>
<td>8 x 2&quot;</td>
<td>30 40</td>
<td>2900</td>
</tr>
</tbody>
</table>

ANDRITZ Feed and Biofuel A/S
andritz-fb.dk@andritz.com
p: +45 72 160 300 / andritz.com/ft

All data, information, statements, photographs and graphic illustrations in this leaflet are without any obligation and raise no liabilities to or form part of any sales contracts of ANDRITZ AG or any affiliates for equipment and/or systems referred to herein. © ANDRITZ AG 2018. All rights reserved. No part of this copyrighted work may be reproduced, modified or distributed in any form or by any means, or stored in any database or retrieval system, without the prior written permission of ANDRITZ AG or its affiliates. Any such unauthorized use for any purpose is a violation of the relevant copyright laws. ANDRITZ AG, Stattegger Strasse 18, 8045 Graz, Austria.