

Type of technology	<u>Cold pressing – one-level</u>		<u>CP1</u>
<p><u>Description</u> Oilseeds are dosed into the press without any preliminary treatment and they are pressed in one-stage. It is possible to add the option hulling and removing of hulls for oilseeds containing bigger hulls (sunflower, soya).</p> <p><u>Use</u> It is usable for all kinds of oilseeds. It is not suitable for soya; soya requires heat treatment. The technology is suitable for pressing of oilseeds sensitive to higher temperatures (such as flaxseed).</p>			
<p><u>Advantages</u></p> <ul style="list-style-type: none"> - The extracted oil contains very little phospholipids (virgin, cold-pressed oil); - Oil temperature does not exceed 40°C, no need for oil cooling; - Very simple technology, small construction dimensions, low investment costs for the building; - No need to build a source of steam 		<p><u>Disadvantages</u></p> <ul style="list-style-type: none"> - Lower yield compared to two-level pressing - Pressing cakes are not heat-treated (output temperature about 70°C) 	
<p><u>Recommendation</u> It is suitable for simple installment in the basic industry, where pressing cakes with higher oil content are well usable as feed.</p>			
Parametres for rapeseed or sunflower			
Standard Solution Farmet	Residua fat %	Power from - to (from = 1 machine set)	
CP1-xFL200	11 - 13	4 – 20 tons of seeds /day	
CP1-xFS1010	11 - 13	20 – 140 tons of seeds /day	