

Carbo^{plus} Carbonatation System

Considering the competition in the market with respect to the sugar quality for direct consumption, one of the important aspect is to choose a process for decolorization and clarification of melt which achieves maximum performance at optimum cost. Sending the melt to the crystallization process with high color, non-sugars and other impurities adversely affects the sugar crystallization process and consequently the refined sugar quality also suffers due to these impurities.

I PRO INDIA offers the Carbo^{plus} carbonatation system, which is capable of eliminating a significant amount of color and other non-sucrose impurities along with removing the colloidal particles at lower operating cost when compared with other clarification technologies.

Design features and advantages

- Approximately 50% color reduction
- Along with the color, other impurities e.g. turbidity, starch, gums, sulphates, phosphates and magnesium also removed to a large extent
- Low operational cost
- Efficient gas distribution with Richter tubes
- Designed to handle process variations which provide operational flexibility without affecting the performance
- Optimum residence time in order to prevent invert sugar destruction
- Lower colour and floc free refined sugar
- Suitable to integrate in the existing factories
- Designed according to ASME standards for operational safety and longer life
- Manufacturing under the supervision of highly skilled German & Indian engineers
- Fully automatic operation
- Suitable for all sizes of refineries



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