



Juice, Nectars and Still Drinks (JNSD) Line

Capacity: 22,000 Liters/hr max

Process Information: Produces commercially sterile juices, nectars, and still drinks through concentrate pasteurization, UV-treated and filtered water processing, and aseptic in-line blending, reducing energy use, water consumption, and operating costs.

Major Equipment:

- Tetra Pak Continuous Sugar Dissolver
- Tetra Pak Mixer
- Tetra Pak Pasteurizer B
- Aseptic tank
- Horizontal Plate Filters
- Heat Recuperation and Cooling Unit
- CIP unit

Brief Plant Description

Unused, never-installed Tetra Pak JNSD (Juice, Nectars and Still Drinks) Best Practice Line (BPL) immediately available for purchase. The plant has three (3) settings for various production rates of 22,000 Liters/hr; 16,000 Liters/hr; 7,000 Liters/hr. The plant includes (A) Juice Processing Line, consisting of (A1) Mixing and Batching section, (A2) Pasteurization section, (A3) CIP Cleaning section; and (B) Sugar Dissolving Line. This line produces commercially sterile high-acid beverages such as juices, nectars, and still drinks using a combination of heat treatment, filtration, UV light treatments, and aseptic blending. Steps include pasteurizing the concentrate, treating the water with UV light, and filtration, as well as blending the concentrate and water aseptically in-line. This process reduces energy consumption by up to 67% and water consumption by up to 50%, while also lowering production costs compared to a conventional setup where the entire product stream is pasteurized.

**For more
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