

# Cutting Edge Performance Food & Beverage Solutions

## ABB Low Voltage Softstarters



Over 25 billion bottles of water were bottled on a conveyor system in the U.S. last year.

The food and beverage industry demands the utmost in precision and accuracy. Calibrated equipment including conveyors, sorters, fillers, chillers, packagers and more all perform better with smoother starts and stops. ABB's line of softstarters is perfect for the task.

The ABB softstarter is engineered to address the common problems experienced in the food and beverage industry by providing a smooth motor acceleration and deceleration. This eliminates the

possibilities of blown fuses or tripped breakers and overloads, as well as damage to shafts, bearings, motor mounts, couplings and belts due to high starting currents and starting torque.



Common food & beverage problems	ABB Softstarter solutions
Mixer paddles breaking or splashing	Application specific startup torque control avoids equipment damage or product splashing while still providing the torque needed to break mixers free of substances
Damaged product on conveyor	Smooth start and stop avoids product tipping and breaking
Broken belts	Built-in undercurrent protection senses reduced current associated with broken belts
Nuisance tripping	Reduced startup currents avoid breakers tripping and fuses blowing

# Food & beverage applications for softstarters

Processes	Equipment to look for
Cold storage Juice/dairy Soft drink production Meat packing Fish processing Frozen food packing Fruit/vegetable processing Snack food production Alcoholic beverages	Ice machines, chillers, refrigeration compressors, vibrating feeders & screens, bucket elevators, transfer pumps, booster pumps, feed & sump pumps, fans, dryers, conveyors, mixers, grinders/blenders, centrifuges, bottling lines, sorting/packing equipment, ovens/fryers



## ABB Softstarter families



### Compact Range PSR 2-75 HP @ 480 V

- Fast, easy installation & setup
- Integrated bypass
- Easy adjustments
- Fieldbus connectable



### Flexible Range PSS 10-200 HP @ 480 V

- Fast, easy installation & setup
- Operate with or without bypass
- Current limit option
- Fault LED & relay output



### Advanced Range PST 20-900 HP @ 480 V

- Easy to program digital display
- Integrated bypass (300 HP and up)
- Electronic overload protection
- Torque Control®
- Fieldbus communications



For more information about ABB's softstarter products and accessories, consult our Softstarter catalog, available for ordering or download from our literature library at:

[www.abb.us/lowvoltage](http://www.abb.us/lowvoltage)

PSR, PSS, PST & Extreme Duty  
Softstarters catalog  
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**ABB Inc.**  
1206 Hatton Road  
Wichita Falls, TX 76302  
Telephone 888-385-1221; 940-397-7000  
Fax 940-397-7085  
<http://www.abb.us/lowvoltage>

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