

The Soft-Drink Industry Application Bulletin

Put The “Pop” In Soda Production

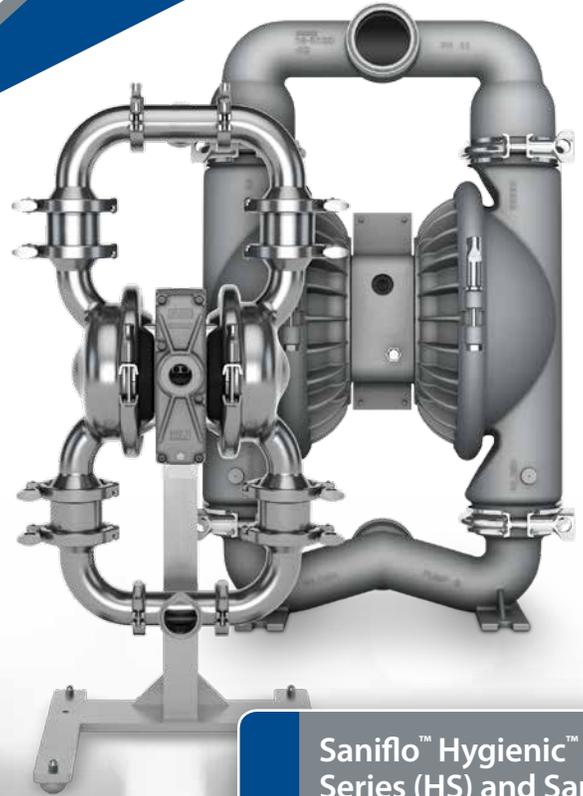
Since the invention of carbonated soft drinks in 1885, there have been an array of new formulations (diet, caffeine-free, sugar-free, etc.) with beverages like ready-to-drink juices, teas and energy drinks now joining the category.

The one constant has been the need for precise soft-drink production that adheres to formulas that deliver the look, mouth feel and, most importantly, taste that consumers have grown accustomed to.

The soft-drink production process features a number of areas where pumps are used to transfer concentrates, corn syrup, flavorings and phosphoric acid to the actual finished products, including from:

- Delivery vehicles, totes and drums to storage tanks
- Storage tanks to dosing stations
- Dosing stations to mixing and batch tanks
- Batch tanks to carbonators
- Carbonators to bottle-and-can filling lines

Wilden® Saniflo™ Hygienic™ Series (HS) and Saniflo FDA Air-Operated Double-Diaphragm (AODD) Pumps have been proven to offer the highest level of performance, reliability and versatility for critical liquid-transfer applications in soft-drink production.



Saniflo™ Hygienic™ Series (HS) and Saniflo FDA AODD Pumps





Saniflo™ Hygienic™ Series (HS) and Saniflo FDA Pumps

Features & Benefits:

- Available in sizes from 1/2" to 3" (13 mm to 76 mm)
- Multiple sanitary elastomers available
- Seal-less design for superior product containment
- Delicate, shear-sensitive operation
- Ability for self-priming or dry-priming operation
- Damage-free dry-run capability
- Flow rates from 15 to 245 gpm (57 to 927 L/min)
- Solids passage up to 3" (76 mm)
- Highest energy efficiency on the market

In addition, the Wilden HS and FDA AODD pumps can be outfitted with next-generation diaphragm and air distribution system (ADS) technology that can further optimize their operation and reliability:

Pro-Flo® SHIFT ADS:

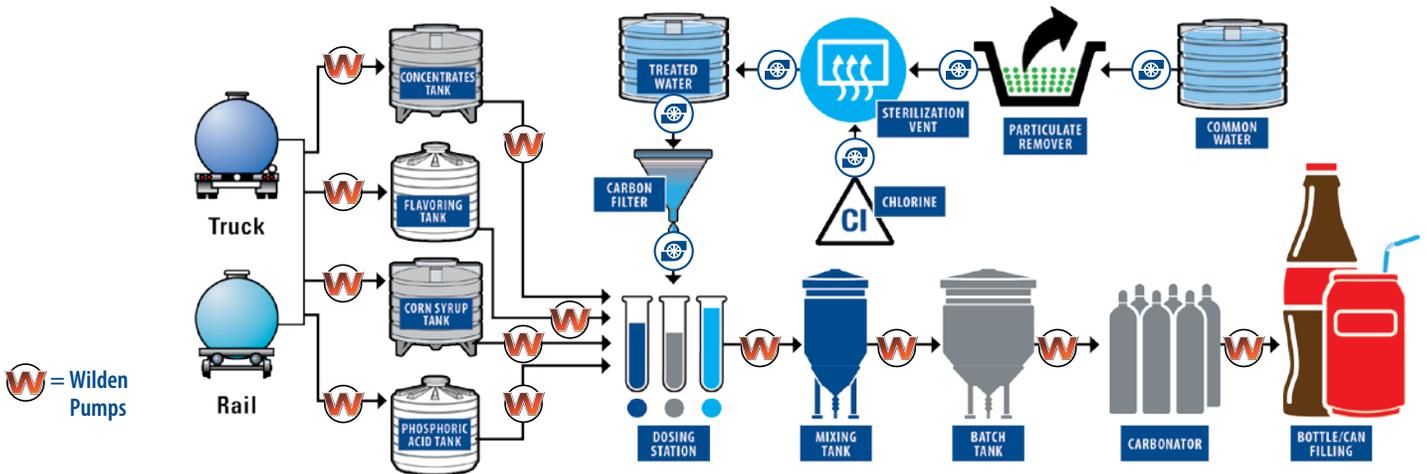
- Stainless steel construction
- Up to 60% savings in air consumption over competitive models
- Higher flow rate per SCFM
- 50% less to operate than electronically actuated ADS units
- Plug-and-play operation

Pure-Fuse Diaphragm:

- Constructed of food-grade plastics and stainless steel
- No adhesives or nylon fabric that can contaminate process fluids
- Unbroken fluid-contact surface with no product-trap areas
- Exceptional clean-in-place (CIP capability)
- No outer piston for longer diaphragm life



Soft-Drink Production Process:



Authorized PSG® Partner:

WILDEN®

PSG

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