



Beverage Industry – Product Integrity & CIP

The ability to pump fruit juice reliably, economically and without damage to the integrity of the product can be surprisingly challenging. But it is a task that ITT Bornemann twin screw technology was born to excel at.

A juice producer recently replaced their lobe pumps with ITT Bornemann SLH pumps. Because the SLH pumps can handle both the production and CIP process, the high costs of the previous installation—lobe pumps, centrifugal pumps, piping, valves, control system—were greatly reduced. The reversible operation of the SLH means it can also be used to empty the piping back to the tank. Best of all, the SLH pumps convey juices containing pulp, fibers and soft particles with no damage to the product.



Bornemann twin screw pumps move pulp-laden juice gently without damaging the product.

The ITT Impact

With ITT Bornemann, the juice manufacturer is producing a higher quality product and enjoying significant cost savings.

About ITT Bornemann

Bornemann introduced the SLH pump to the Food and Pharmaceutical industries in 2004. The design was based on 150 years of twin screw pump technology aligned to the special hygienic needs of Food, Pharmaceutical, and Chemical processes. Today, ITT Bornemann serves hygienic and sanitary applications with seven series of modular pumps, complete with mechanical, electrical and control systems. All are EHEDG and EHEDG Aseptic approved, comply with 3A Sanitary standards and meet many other international standards. With 50 different pump hydraulics, 500 design options and more than 10,000 installed pumps worldwide, ITT Bornemann – The Original – is the undisputed world leader in hygienic twin screw pump technology.

Application Data

Capacity:	40 m ³ /h (175 gal/min)
Differential pressure:	15 bar (220 psi)
Viscosity:	8 cp

Pump Execution

Pump Type:	SLH-4G 5000
Mechanical Seal:	Dual Mechanical Seal
Material:	Standard