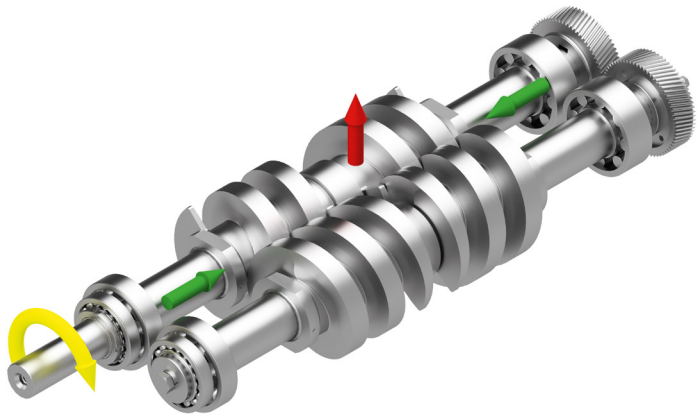
New Pump Series for the Food & Beverage Industry

The new ITT Bornemann HCH Twin Screw Pump is the latest innovation specifically designed for the high flow, high pressure food, dairy and beverage markets. With this launch, ITT Bornemann has expanded the successful SLH series for higher flow rate, hygienic twin screw pumps. These industries include the tomato industry, vegetable industry and the tank farm storage.

HCH – Operating Principle
ITT Bornemann Twin Screw Pumps are positive displacement pumps. The timing gears and bearings are located outside the product flow path. The design incorporates a double inlet volute, no metal to metal contact internal to the product path and it has the ability to self-prime. Flow can be reversed by simply changing the direction input shaft of rotation. ITT Bornemann pumps cover a wide range of performance in pressure, flow, temperature and viscosity of the conveyed products.

Pump Characteristics
- Self-Priming
- Ability to handle extremely high viscosities
- Low Pulsation Levels
- Low Operation Noise Levels
- Ability to run dry
  (while using an appropriate mechanical seal)
- Constant flow at varying pressures
- Suction Lift Up to 8.5 m (25 feet)



User Advantages – Made by Bornemann

Convey & Clean with One Pump Only
Pump speed range 1 : 15 plus proportional flow characateristics ensure process cycles and cleaning procedures with just one pump.

Product Integrity
The axial conveyance protects products and maintains particulate size, surface and visual integrity.

Flexibility
Different combinations of screw diameter and pitches fit customers requirements.
The pump operates at a wide range of speeds, providing flexibility for different operating points.

Long Service Life
HCH Pumps feature no metal-to-metal contact between screws and housing.
This secures trouble-free conveyance even for abrasive media and minimized downtime.

ITT Bornemann GmbH • Industriestraße 2 • 31683 Obernkirchen/Germany • www.bornemann.com

HCH-SERIES

NEW

Design Features



Material:
Wetted Metal Parts 1.4404/316L/
Surface Ra<0.8µm/32Ra

Feed Screws:
5 Pitches per size
diffusion hardened

Mechanical Seal:
Cartrige Design

Aseptic Feature:
Steam barrier at all atmospheric joints.
The mechanical seal is also designed to aseptic standards.

		Capacity		Differential Pressure		Rotating Speed		Viscosity		Max. Product Temperature	
		m³h	gpm	bar	psi	min^{-1}	RPM	mm²/s	cSt	°C	°F
HCH 232	Product	650	up to 2,860	up to 25	up to 362	up to 1,800		up to 1,000,000		up to 120	up to 250
	CIP	750	up to 3,300	up to 25	up to 362	up to 1,800		1		up to 95	up to 200
	SIP									up to 150	up to 300
HCH 300	Product	up to 1500	up to 6,600	up to 25	up to 362	up to 1,800		up to 1,000,000		up to 120	up to 250
	CIP	up to 1750	up to 7,700	up to 25	up to 362	up to 1,800		1		up to 95	up to 200
	SIP									up to 150	up to 300

Ask for the Pump Selection you require!

Spin Pompen

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