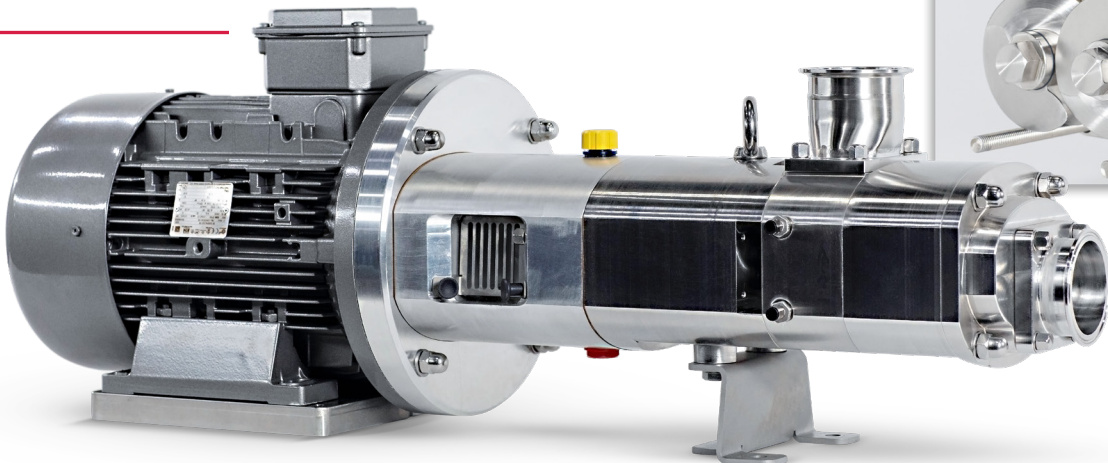


# WHEN MINUTES MATTER



## Unibloc® Twin Screw Hygienic Pumps



**Unibloc® Twin Screw Pumps:** Less Complexity. Less Downtime. More Performance.

Drawing on years of proven performance in hygienic pump applications, the engineers at Unibloc® Hygienic Technologies (UHT) have designed a Twin Screw pump that finally solves the problems that plague ordinary twin screw pumps. Slash maintenance time. Minimize downtime. Improve sanitation.

- Advanced design and fewer parts lead to easier, simpler, faster maintenance.
- External access to timing adjustments – without having to open messy oil-filled housings.
- Preserves integrity of shear-sensitive, high-viscosity products.
- Smooth, consistent non-pulsating flow even at high flow rates.
- Dual-duty design – a single pump for processing at low speeds or effective CIP at higher speeds.

**Game-Changing External Timing Adjustment.**

While other pumps force you to disassemble entire pump assemblies for timing adjustments—exposing critical components to oil housing contamination and requiring hours of labor—our patent-pending externally adjustable timing system enables precision adjustments in just five minutes. No disassembly. No contamination risk. No slippery spills.

**Foolproof One-Way Screw Reassembly.**

Say goodbye to costly reassembly errors. Because screws can be mounted on both shafts, our innovative screw design ensures perfect alignment every time, eliminating guesswork and reducing maintenance complexity. While other pumps require multiple attempts and potential rework, our pump lets you accomplish reassembly correctly on the first try. What’s more, unlike other screw pumps on the market, the drive and lay screw shafts are identical, simplifying assembly and spares inventories.

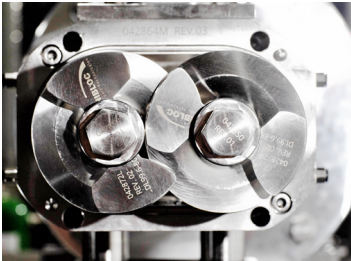
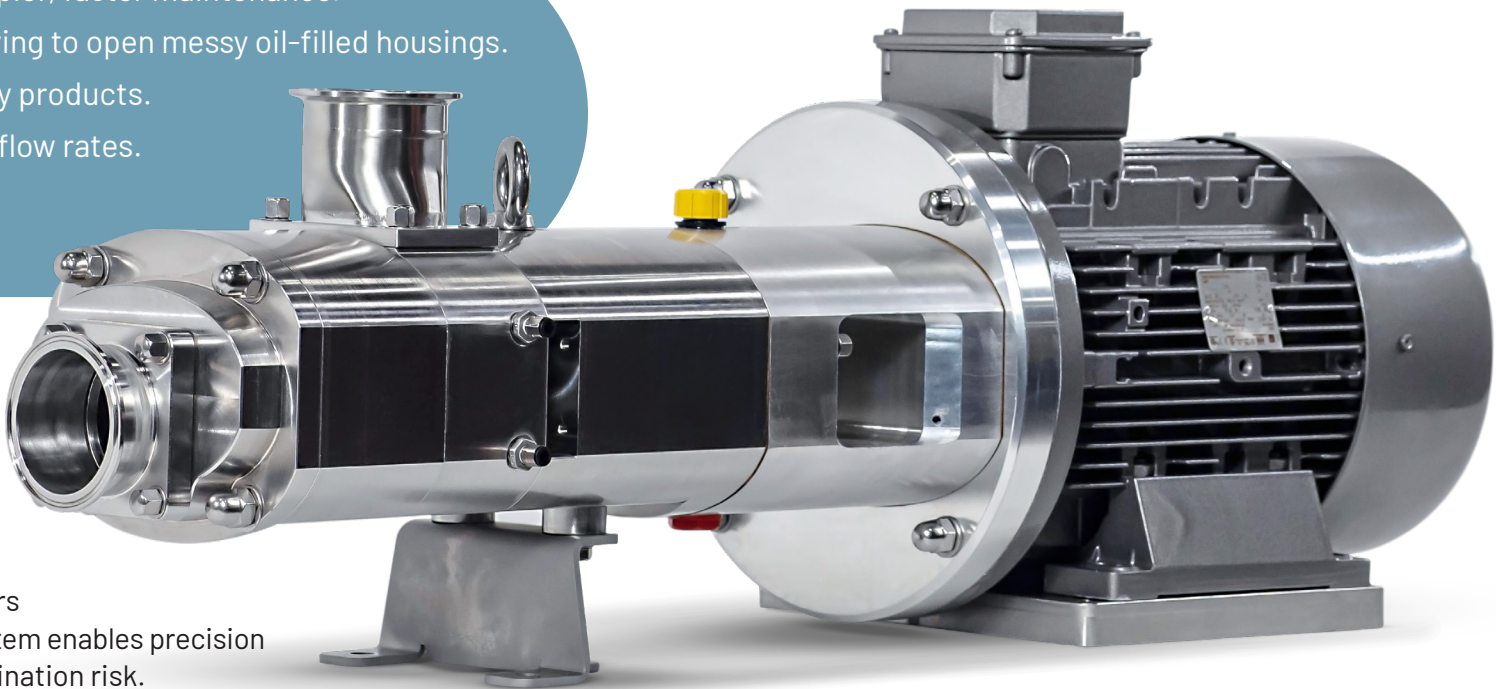
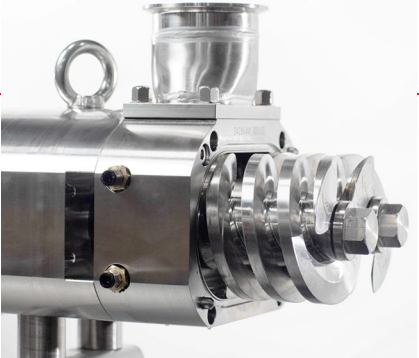
**Superior Oil Management System.**

Our advanced oil reservoir design delivers optimal oil flow and circulation, providing superior heat dissipation and enhanced bearing protection compared to competitive splash-lubrication systems. This patent-pending innovation means long bearing life, reduced operating temperatures, and extended service intervals.

**Ultra-Hygienic Design.**

The Unibloc Twin Screw Pump is designed for maximum cleanliness and rapid maintenance times. With fewer parts than other screw pumps that could get lost into the product stream, it is designed to reduce the risk of foreign object contamination.

**TWIN SCREWS  
FOR THE WIN**



**High pressure performance.**

- Delivers high discharge pressures.
- Handles vertical lifts and long pipe runs.
- Manages viscous products up to 1,000,000 cP.

**Clean in place.**

- High RPM provides the turbulence needed to clean the pump in place.
- Reversible operation removes product during cleaning, reducing waste.

**Smooth, consistent, gentle flow.**

- Ideal for shear-sensitive products and entrained solids up to 45mm (e.g., fruit in yogurt, nuts in chocolate).
- Provides steady and predictable flow.

**The Bottom Line.**

While your competitors are pulling pumps off the line for maintenance, risking oil and product contamination, and struggling with complex reassembly, you’re back online in minutes with assured reliability. The Unibloc Twin Screw pump doesn’t just move fluids—it improves your productivity, maintenance, and total cost of ownership.

**Unibloc Twin Screw Pumps – Better Performance, Lower Total Cost of Ownership.**

Screw Diameter	Ports	Operating Temp	PSI (Bar)	RPM	Flow per Minute
3-inch (Ø80 mm)	3-inch	248 °F (120 °C)	360 psi (24.8 bar)	3600	200 gallons/min (757 liters)
4-inch (100 mm)	3-inch	248 °F (120 °C)	360 psi (24.8 bar)	3000	300 gallons/min (1,135 l/min)
5-inch (130 mm) *	5-inch	248 °F (120 °C)	360 psi (24.8 bar)	1800	380 gallons/min (1,438 l/min)
7.5-inch (190 mm) *	8-inch	248 °F (120 °C)	360 psi (24.8 bar)	1800	1200 gallons/min (4,542 l/min)

\*Availability pending



# PROVEN PUMP PERFORMANCE: FOR THOSE WHO DEMAND MORE.

With thousands of pumps installed around the world, UHT pump technology is proven to outperform, outlast, and cost less to operate and maintain by the world's toughest processors – who simply can't afford surprises.

Unibloc Hygienic Technologies provides a broad portfolio of powerful solutions for companies around the world.



[unibloctech.com](http://unibloctech.com)



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