



MARKSMAN
SMART PUMPS

FlowTherm

Pumps FlowTherm



The Marksman Smart Pump

Designed with three decades of expertise in supplying pumps to the Australian wine industry, the Marksman Smart Pump represents a pinnacle solution for wineries. Simplify cellar operations with automated transfers and precise control, eliminating blending errors and optimising workflow. Marksman Smart Pump is widely customisable and with its several configuration options it can be tailored to meet the unique demands of your winery.

Key Features:

- High level of automation, control, and monitoring
- Tank sensors with a radio transmitter to prevent over-filling
- Multiple safeguards to prevent wine loss
- "Gentle Start" for filling empty tanks
- Touchscreen with smartphone control
- History function that records all transfers onto a USB drive

Standard System Components:

- Flexible Impeller pump
- Variable Speed Drive (VSD) for speed control
- Stainless steel electrical cabinet
- Endress + Hauser 10D magnetic flowmeter
- 7" color touchscreen
- Wi-Fi connectivity (optional SIM card)
- Radio receiver
- Included tank full sensor bar with a radio transmitter
- Optional barrel sensor with a radio transmitter
- Pressure transducer
- Stainless steel trolley
- 10m power cable and plug

Pumps

Pump Packages



User Interface:

- Various operating modes including Batching, Manual, Pressing and Barrel filling/emptying
- Permanent status bar for continuous monitoring
- Automatic shutdown in various events for safety and efficiency

Options:

- Pneumatic valve with an air storage tank (20L)
- Press juice tray level sensors
- Barrel filling and emptying spear
- Dedicated smartphone control



Starter Package

Includes:

- DOL Starter (fixed speed)
- Reversing Switch
- Plastic Enclosures



Professional Package

Includes:

- Electronic VSD (Variable Speed)
- Powder Coated Metal Enclosure
- 15m Remote Pendant (Forward/Off/Reverse and speed control)
- Isolating Switch



Elite Package

Includes:

- Electronic VSD
- Stainless Steel Enclosure
- Radio Remote Controller inc. 2 handsets
- Indicator Lights on Panel
- Local Controls
- Isolating Switch



Trolley Mounted Flow Meter

The Trolley Mounted Flow Meter is a flexible and precise tool for measuring flow. Designed for various industries, this mobile system can be customized to meet your specific needs, ensuring accurate and reliable performance.

Key Features:

- Customizable Design: Tailor-made to fit your exact needs using multiple suppliers and our in-house workshop.
- Enhanced Mobility: Sturdy trolley-mounted system for easy transport and on-site measurements.
- Precision Measurement: Delivers accurate and reliable flow data for various fluids.
- Batch Control Systems: Integrate seamlessly for automated and efficient operations.

Pumps

CSF

CS/CSD Centrifugal Pump

The CS pump range ensures high-level operation and top-of-the-range performance, featuring a 6-vane impeller and shaft support bearing for easy coupling with standard IEC electric motors. The CSD variant includes a sterile steam protection barrier.

- High-level operation and top-of-the-range performance
- 6-vane impeller and shaft support bearing
- Easy coupling with standard IEC electric motors
- CSD variant includes a sterile steam protection barrier

CNH Self-Priming Centrifugal Pump

The CNH series consists of single-stage centrifugal pumps with a self-priming device, axial suction port, open centrifugal impeller, and independent shaft, featuring a helical rotor and off-center rotor chamber for efficient self-priming.

- Single-stage centrifugal pumps with self-priming device
- Axial suction port and open centrifugal impeller
- Independent shaft with helical rotor and off-center rotor chamber
- Efficient self-priming capability

A & AS Liquid Ring Pumps

Single-block self-priming sanitary pumps with independent support and standard IEC motors, featuring an impeller supported directly by the electric motor shaft for reliable and efficient operation.

- Single-block self-priming sanitary pumps
- Independent support and standard IEC motors
- Impeller supported directly by electric motor shaft
- Reliable and efficient operation

CL-CLC Centrifugal Pump

Built with an open three-vane impeller directly installed on the motor shaft, suitable for a wide range of applications, including a CLC variant with a closed impeller for specific pumping needs.

- Open three-vane impeller directly installed on motor shaft
- Suitable for a wide range of applications
- CLC variant includes closed impeller
- Designed for specific pumping needs

Pumps

CSF



CR Centrifugal Pump

Featuring a special spiral impeller, unique body shape, large volute, and reduced operating speed, this pump is suitable for handling delicate liquids with suspended particles, combining centrifugal pump properties with the delicate handling of a progressive cavity pump.

- Special spiral impeller and unique body shape
- Large volute and reduced operating speed
- Suitable for delicate liquids with suspended particles
- Combines centrifugal pump properties with delicate handling



MA Progressive Cavity/Helical Rotor Pump

The MA Series progressive cavity pump features a single rotating shaft design with a stainless-steel rotor and rubber stator, offering versatility in material options and motor configurations, handling fluids up to 800,000 cps with gentle, pulse-free pumping action.

- Single rotating shaft design with stainless-steel rotor and rubber stator
- Versatility in material options and motor configurations
- Handles fluids up to 800,000 cps with gentle, pulse-free pumping action
- Ideal for diverse applications requiring precision and reliability



MC Helical Rotor Pump

Version with a hopper equipped with pre-feeding auger screw, suitable for viscous products that do not flow easily through pipes, featuring a rectangular flange for connecting various conveyance systems for efficient product transfer.

- Equipped with hopper and pre-feeding auger screw
- Suitable for viscous products
- Rectangular flange for connecting conveyance systems
- Efficient product transfer

Pumps

Progressive Cavity Pumps for the Wine Industry

Pressing/Transfer of Pressed Grapes, Mash, Musts + Wine



Bottling - Filtration Refrigeration



MAE Series with Electrical Control Panel Enclosure



Filling and Emptying of Barrels



MAE Series with Electrical Control Panel for Remote On/Off Control from the Stainless Steel Suction Probes



Recirculation and Decanting





Lobe Pumps

OMAC



B Series Rotary Lobe Pumps

The volumetric lobe pumps of the B series are traditional and reliable, featuring a clear separation chamber between pumping body and support to prevent contamination between pumped fluid and lubricant. The foot of the removable support simplifies installation for connection with horizontal or vertical pipes, while the modular design allows for easy addition or exchange of parts.

- Traditional and reliable volumetric lobe pumps
- Clear separation chamber prevents contamination
- Removable support foot simplifies installation
- Modular design allows for easy addition or exchange of parts



C Series Multi-Lobe Pump

The C series incorporates new front loading seals design for easier and quick servicing, with maintenance simplified by a new external axial adjustment system. All parts in contact with the product are made of stainless steel 1.4404, and the pump body is cast with integral connections without welding, ensuring durability and reliability.

- New front loading seals design for easier servicing
- Maintenance simplified by external axial adjustment system
- All parts in contact with product made of stainless steel
- Pump body cast with integral connections without welding



Flexible Rubber Impeller Pumps

Multiple Brands Offered



The Flexible Rubber Impeller Pump offers versatility and reliability for winery fluid transfer needs. Featuring a reversible pump design capable of efficiently handling solids and delivering high flowrates, it suits various applications. Its low revolution speed facilitates delicate liquid transfer and maintenance ease, making it indispensable in winemaking.

- Versatile fluid transfer solution for wineries
- Reversible pump design handles solids efficiently
- High flowrates for effective performance
- Low revolution speed suitable for delicate liquids and suspended solids
- Simple design enables easy maintenance
- Capacities ranging from 4 to 54 kL/h cater to diverse production needs

Pumps Ampco



ZP1 Circumferential Piston Pump

The ZP1 Pump is the industry workhorse, known for its proven design and added features. Popular worldwide, it has a large installed base in both sanitary and non-sanitary applications, and with seal modifications like the PTFE double lip seal, it excels in tough applications such as chocolate and paint processing.

- Proven design with added features
- Large installed base in sanitary and non-sanitary applications
- Seal modifications like PTFE double lip seal for tough applications
- Suitable for chocolate and paint processing



ZP2 Circumferential Piston Pump

The ZP2 Pump, with its stainless steel gear case, is built for CIP-ability with enclosed rotor nuts, capable of withstanding higher pressures with larger 17-4ph stainless steel shafts. Certified by 3A and capable of withstanding pressures up to 500 PSI, it ensures reliability and durability even in demanding applications.

- Built for CIP-ability with enclosed rotor nuts
- Capable of withstanding higher pressures with larger shafts
- Certified by 3A and capable of withstanding pressures up to 500 PSI
- Reliable and durable even in demanding applications



ZP3 Circumferential Piston Pump

The ZP3 sets the standard for PD circumferential piston pump technology with its simplified yet state-of-the-art design, ensuring reliability, durability, and fast availability. Leading the industry, it boasts enhanced features and is capable of meeting the most demanding pumping requirements with ease.

- Sets the standard for PD circumferential piston pump technology
- Simplified yet state-of-the-art design
- Reliable, durable, and available fast
- Capable of meeting the most demanding pumping requirements



Pumps

Boyser

Lobe Pump with Rubber-Coated Rotors

Lobe Pumps with Rubber-Coated Rotors offer an economical food-grade option suitable for various applications including wine, olive oil, vegetable oil, and more. The LB series pumps feature rubber-coated rotors designed to handle challenges like metal staples present in grapes.

- Industrial pumps with rubber-coated rotors
- Available in 4 different sizes
- Made of martensitic or austenitic stainless steel
- Suitable for various applications including corrosive fluids
- Operating pressure of up to 10 bar
- Self-priming, reversible pumps
- Large solids passage for pumping solids-laden media



FMP Series Peristaltic Pump

FMP Series Peristaltic Pump offers robust design and versatility with six different sizes and various drive options. These pumps are suitable for handling corrosive products and feature a wide range of connections and hoses.

- Robust design with integrated bearing housing
- Available in 6 different sizes
- Suitable for corrosive products
- Operating pressure of up to 8 bar
- Self-priming pumps with unlimited dry-running capacity
- High resistance to abrasion
- Capacity to pump difficult products



LIS – LIH Series Sanitary Rotary Lobe Pump

LIS – LIH Series Sanitary Rotary Lobe Pumps provide sanitary solutions with rubber-coated rotors in 8 different sizes and designs. These pumps are suitable for various applications and offer options for flow rate/speed regulation and control.

- Sanitary rotary lobe pumps with rubber-coated rotors
- Available in 8 different sizes and designs
- Suitable for various applications
- Operating pressure of up to 12 bar
- Reversible, pulsation-free, continuous flow pumps
- Mechanical seals as shaft sealing system
- Different lubrication or pressurization options available





Spare Parts and Maintenance

FlowTherm have been supporting clients in the Pharmaceutical & Personal Care, Food & Beverage, Dairy, Brewery, Wine, and Industrial sectors with spare parts and experienced aftermarket technical support for over 20 years. We capably deliver nationwide, from coast to coast, and do so for orders ranging from a single o-ring to contract arrangement for ongoing and complete site supply. We offer assistance in critical spares recommendations, stock levels, automatic reordering and spares logistics.

FlowTherm is your reliable one-stop shop for any and all hygienic spare parts and boasts a full range of genuine OEM spare parts and quality generic options. With local stock right here in Australia, there's nothing we can't do; we're able to provide for planned maintenance, as well as offer fast turnaround for emergency stock.

OEM Spare Parts:

- Aerre Inox
- Alfa Laval
- Ampco
- APV
- Bardiani
- Boyser
- Bürkert
- Cipriani
- CME
- CPC
- CSF Inox
- Dasic
- Della Toffola
- ITT
- Kelvion
- KingLai
- Liverani
- MBS
- MecGem
- Mono/NOV
- Netzsch
- Omac
- Pall
- Pentair
- PerMix
- REDA
- Rieger
- Roto
- Rubberfab/
Garlock
- Seepex
- SIFA
- Sterivalve
- Sydex
- Venair
- Waukesha
- Willmes
- YGros
- Zambelli

NB: FlowTherm cannot provide guarantee for any parts not ordered through FlowTherm.

Flowtrend Alternative Spares

Discover **Flowtrend**, our trusted partner for reliable and cost-effective alternative fluid handling solutions. As a leading manufacturer, Flowtrend is committed to providing high-quality products that meet and often exceed the standards of major OEM suppliers. With a global network of distributors, we offer fast delivery and responsive service to meet your needs promptly.

Flowtrend's offerings undergo rigorous quality control checks in accordance with our ISO 9001 certification, ensuring that they meet regional material standards for uncompromising quality.

Hygienic Spares for Enhanced Efficiency

Flowtrend specializes in hygienic spares that provide an ideal solution for cost-effective maintenance. Our like-for-like alternative parts match OEM quality and are crafted using FDA-approved and batch-traceable materials. To simplify procurement, we adapt OEM part numbers and descriptions for easy integration into your systems.

Unmatched Quality and Reliability

Comparable to OEM parts in every way, Flowtrend spares offer the following advantages:

- **Same** dimensions
- **Same** materials
- **Same** validation certification
- **Same** quality, and in some cases, improved quality
- **Same** performance and lifespan
- **Same** moulding, forging, and extrusion.
- **Same** manufacturing platform
- **Fully** interchangeable



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