

2ND EDITION

HD

Process NZ

Specialists in sanitary process equipment

Wine equipment guide

Pumps • Valves • Filters • Flow accessories • Tank equipment



hdprocess.co.nz

Pumps



▶ Sanitary centrifugal pumps - CS Series

- High efficiency, low shear centrifugal pump, ideal for all winery transfer operations
- Available in sizes from 1" to 4" and flows up to 150,000 l/h and pressures up to 8 bar
- Fully customised solutions with DOL electrics or VSD electrics and various control options



▶ Red pump-over pump

- Centrifugal pump with open screw impeller for red tank pump-overs
- Various sizes available
- Available as fixed units or trolley-mounted



▶ Air-operated diaphragm pumps

- Reliable float lees pump
- Available in 2" and 3" sizes for flows up to 36,000 l/h
- All stainless steel construction
- Easily moved on the SS trolley

▶ Progressive cavity pumps

- Positive-displacement screw pumps for winery transfer applications
- Available as wine transfer pumps and also with hopper for destemmed grapes
- Sizes from 1" to 6"
- Fully customised solutions with DOL electrics or VSD electrics and various control options
- Pressure and temperature safety features available



▶ Rotary lobe pumps

- Low shear, positive-displacement sanitary lobe pumps
- Ideal for bottling lines and pressure applications such as lenticular filtration
- 1 1/2" to 4" sizes readily available
- Flowrate from 1,000 l/h to 35,000 l/h and pressure up to 7 bar as standard
- Pressure relief valve or pressure safety systems
- Fully customised versions



▶ Peristaltic pumps

- DSM range for small batch dosing
- AMP range for dosing up to 20 l/min such as bentonite dosing
- FMP range for wine transfer available from 1" to 4" sizes and up to 20,000 l/h
- Fully customised versions



boyser



▶ Flexible impeller pumps

- Economical winery transfer pumps
- Reversible, no need for priming
- Available in 2 speed versions for juice pumping
- Compact EP range for wine transfer operations
- Available with butterfly valve bypass
- Fully customised versions to suit every budget

LIVERANI
FLUID TRANSFER TECHNOLOGY



Pumps

▶ CIP pumps

- Economical option for tank cleaning
- 2" and 3" versions with flowrates up to 45,000 l/h and pressures up to 7 bar
- Trolley mounted and complete with DOL electrics
- CIP filter on pump outlet optional



Wine fittings

▶ Wine fittings

- Complete range of fittings in RJT or tri-clamp



Taste-off assemblies



Pressure gauges



Hose joiners



Sparging units



Temperature gauges



Bends, reducers, tees, blanking caps



Clamps and RJTs



RJT hoesetails



In-line sight glasses

Flowmeters



▶ Flow accessories

- Magnetic and turbine flowmeters for all applications
- Easy to operate with flowrate and total displays
- Available as bare units, cage-mounted or SS trolley versions

Cleaning equipment

▶ Tank cleaning

Fixed and rotating sprayheads

- Complete range of tank cleaning equipment to suit all tank sizes from 2,000 to 300,000 litres



Fixed and rotating sprayheads



Rotary tank cleaners



CIP pigtail

▶ Barrel cleaner

- Cost-effective, long-lasting, reliable barrel cleaner
- Quality European-manufactured machine
- Operates from a standard high pressure water blaster
- Customised versions from 10 l/min to 30 l/min
- Economical maintenance spares



Bolondi
Cleaning Heads

Valves



▶ Non-return valve

- Non-return valve with light spring
- Available from 1" to 6" sizes
- Butt weld, RJT or tri-clamp end connections



▶ Pinch valve

- Full flow, 2-way valve
- Rubber sleeve shuts with air pressure
- Sizes from 2" to 6"
- Weld, RJT and tri-clamp connections



W36



W37



BSP

▶ Sampling valves

- Economical BSP sampling valve
- Hygienic W36 sampling valves with silicone or EPDM diaphragm
- Lockable W37 sample valve with PTFE plug



3-way zero cavity

▶ 2-way and 3-way ball valves

- 316 ss and 1" to 4" sizes
- L-Port or T-Port configurations in 3-way valve
- Fully encapsulating PTFE seat in hygienic design
- High-mount ISO pad for actuation
- Tri-clamp and butt weld connections ex stock
- Flushable versions available



E25



E27



645L



K64VP



SK1232



645BNZ

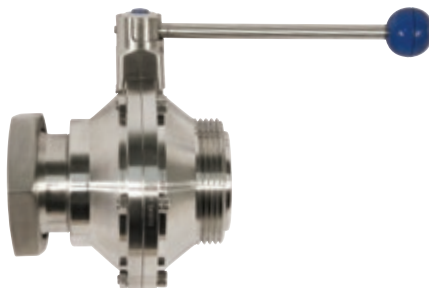
▶ Pressure/vacuum relief valves

- Combination pressure and vacuum relief valves in sizes from 1 1/4" to 4" to suit every purpose
- Economical E25 and E27 models
- K64VP model for tanks under pressure
- 645BNZ model available with RJT connections for mounting to existing tanks and are available in 2", 3" and 4" sizes

Valves



SM butterfly valve with ST handle



D series ball valve

Economical range

SM Butterfly valves:

- 1" to 12" sizes
- Male/Female RJT, tri-clamp and weld connections
- PT - plastic, SP - SS pull and turn and ST - SS trigger handle options

D series ball valves:

- 2", 3" and 4" in stock (6" on request)
- Male/Female RJT or weld connections
- PTFE seat rings



7M11 - SS handle



Micro-metric handle

Tassalini valves

Tassalini valve (700 Series)

- Premium Italian valve, sold for more than 17 years in NZ
- 304 or 316 ss
- B/F valves in sizes from 1/2" to 10"
- Various end connections available
- Vertical or horizontal SS actuated versions
- Silicone seal standard (EPDM and Viton on request)
- Ball valves available in 1/2" to 3"
- Available as compact, fully encapsulated and flushable options
- Male RJT or butt weld, tri-clamp connections
- PTFE seat rings



Horizontal actuator



SOLE NEW ZEALAND DISTRIBUTOR



ZVF



Giotto control top

Bardiani actuated butterfly valve

Bardiani butterfly valve

- Premium Italian valve, sold for more than 15 years in NZ
- 316L stainless steel construction
- 1/2" to 6" sizes
- Maximum pressure 10bar to full vacuum

Pneumatically-actuated version with control top

- J-Giotto and Giotto top control heads with LED display lights, integrated solenoid valve with protective circuit board for power spikes and proximity switches for signal feedback



Filters

▶ New generation crossflow filter

- Available in automatic unit from 4 to 8 modules
- Completely automatic unit, Model AI available from 10 to 32 modules
- Automatic CIP cleaning program without operator intervention
- 12.5m² PP membranes or 10m² PES membranes
- Affordable fully automatic machine



▶ Plate and frame filter

- 400mm x 400mm filters with plastic plates for sheet filtration
- Options include double filtration and manual or hydraulic closing



▶ Rotary drum vacuum filters (RDVs)

- Full range of models from 3m² to 40m² filtering surface
- High throughout flowrate when compared to other machines
- Heat exchanger option on vacuum pump for reduced water consumption



Cartridge



CIP filter



Lenticular



▶ DE filter

- Economical filter for final filtration
- Available in a range of sizes from 3m² to 40m²

▶ Cartridge and lenticular filters

- Complete range of economical housings to suit lenticular and cartridge filtration
- Available in 304 and 316L stainless steel
- Lenticular housings available in 1, 2 or 3 stack sizes and either 12" or 16" diameter
- Centre rods in SS available for running the lenticular filters with reduced stacks
- Cartridge filter housings available in single and multiple cartridge configurations to suit 10", 20" and 30" cartridges
- Available complete with valving, sanitary pressure gauges and skid-mounted with positive displacement pumps and control options
- CIP filters available in 1" to 6" sizes with a range of inserts such as perforated plate and wedgewire (slotted tube)

Manways and accessories



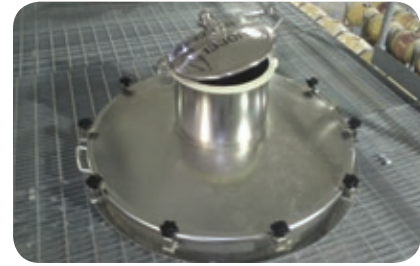
▶ Variable capacity lids

- Sizes from 350mm to 2200mm



▶ Manway seals/gaskets

- Complete range stocked



▶ A Series - inward opening



▶ B Series - skin door



▶ D Series - top manways

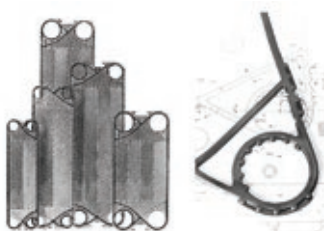
Heat exchangers

▶ Heat exchangers/plates and gaskets

- Complete range of heat exchangers for every duty
- Plate and frame for wine heating and cooling
- Shell and tube for must cooling/heating
- Efficient multi-tube exchangers for wine heating and cooling
- Complete regeneration systems including control systems
- Replacement gaskets for common plate and frame exchangers
- Plates to suit most makes and models of PHE
- Customised frames to suit most plates for new machines
- Replacement gaskets to suit most leading brands of PHE including Alfa Laval, APV, Pasilac, Sondex, Schmidt, Fischer and Hisaka



Tube-in-tube



Plates and gaskets



Multi-tube



Mobile plate and frame

Presses/crushers/sorters



▶ Siprem range of presses/ drainers including:

- Pneumatic (open or closed tank)
- Vacuum
- Novel hybrid press
- Inert gas covered press
- Screw presses and drainers
- All sizes to suit all wineries
- New and refurbished models available



▶ Crusher/destemmers

- Siprem Alfa crusher/destemmers and matching must pump with hopper
- Models from 20 to 120 tonnes/hour
- Proven European technology and complete range of options available including variable speed drum and rubber-coated blades

▶ Also available: Vibrating sorting tables, elevators, optical sorters



Juice/lees/tank bottoms/wine separation



▶ Decanters for high solids

- Food grade machine for separation of destemmed grapes, juice, float lees, settled lees and tank bottoms
- Unique adjustable impeller for on-the-spot clarification adjustment without the need to stop the machine



Self-cleaning centrifugal separator



▶ Centrifugal separator

- Self-cleaning separators for clarification of juice and wine
- Range of sizes available for separation up to 25,000 l/h on wine
- Manual and automatic versions
- Lobe feed pump with wireless control option operating in NZ
- Options include hydrocyclone and brush filter



▶ Flotation

- Discontinuous flotation units available in 10,000, 30,000 and 50,000 l/h
- Available with double pre-filters

Specialty equipment

▶ Continuous tartrate stabilisation systems

- Proven CTS technology from Cadalpe Spa using the "contact" principle
- Sizes from the compact 2,500 l/h unit to 20,000 l/h
- Continuous 24 hour cycle without the need for an operator
- High heat recovery (up to 95%)
- Operating cycle can be stopped at any time for any length and restarted at the same stage
- Guaranteed results



Low temp vacuum evaporator



▶ Concentrator/de-alcoholiser

- Concentrator and/or de-alcoholiser
- Low temperature evaporator technology
- Production of grape juice concentrate up to 63 Brix
- Partial (1 - 2%) or total de-alcoholisation



Specialists in sanitary process equipment

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HD Process NZ Ltd, specialists in sanitary process equipment, was created in 1997 and is a solely-owned New Zealand family business. We pride ourselves on supplying quality sanitary stainless steel process equipment to meet all food industry needs. We work with integrity and commitment to assist our client business partners to solve their food processing requirements.

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Our industry partners include:

- Wine
- Dairy
- Food
- Beverage
- Pharmaceutical
- Specialty chemical
- Honey

Our product range includes:

- Pumps
- Valves
- Heat exchangers
- Tank equipment
- Filters, cleaning devices
- Mixers
- Blenders
- Flow accessories

 **Visit our website for more product information**



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