

SOLVING PUMPING PROBLEMS

The world's fastest growing pump type



100

NEW

Small, simple and precise pumps for biopharm and science. Manual or auto control, single or multi-channel.

- Flows up to 190ml/min from new 114 flip-top pumphead
- Exceptional speed control
- Minimal key presses, intuitive operation



30 psi

120U/DV



120S/DM3



200

Near pulseless, multi-channel cassette pumps with up to 32 channels.

- Flow rates from 0.0001 GPD to 8.38 GPD per channel
- Precise flow control for each individual channel
- Manual, auto and digital TTL control



30 psi

205S/CA



205U/CA



300

Single or multi-channel benchtop pumps with manual, remote, analog, RS232 control and accurate dispensing.

- Flow rates from 0.001 GPH to 31.7 GPH
- High visibility digital display with membrane keypad
- Single channel or up to ten separate channels
- Zero maintenance brushless DC motors



30 psi

323E, S and U/D



323Du/D



400

Ultra-compact scientific pumps for low flow single or multi-channel applications.

- Flow rates from 0.0001 GPH to 9.67 GPH
- Precision multi-roller pumpheads for accurate flows
- Configured with either single or multi channel pumphead
- Digital and analog process signal control



30 psi

403U/R1 and 403U/UL2



403U/VM2 and VM4



500

Superb range of NEMA2 and NEMA4 rated pumps for science and industry as well as fixed and variable speed close-coupled pumps.

- Flow rates from 0.00006 GPH to 76 GPH
- Manual, analog and digital RS232/RS485 control
- Explosion Proof rated, 3 phase and pneumatic drives
- Seven pumpheads and including low-pulse high accuracy 505L element pumphead
- Dosing and dispensing pump for ±0.5% accuracy



100 psi

520S, U and Du/R



520 sanitary LoadSure



600

NEMA4 mid-flow process pumps with full clean-in-place and steam-in-place capability.

- Flow rates from 0.0003 GPM to 4.8 GPM
- Manual, auto and digital control
- Close coupled pumps for the three phase operation including pneumatic and Explosion Proof options
- One minute maintenance LoadSure® elements



60 psi

620UN/R



620 sanitary LoadSure



700

Industrial cased and baseplate mounted pumps for use with continuous tubing or new LoadSure® elements. 3 phase motors, explosion proof rated drives or pneumatic.

- Flow rates from 0.001 GPM to 17.6 GPM
- Single or twin channel operation
- Driven roller pumphead extends tube life
- LoadSure® elements ensure correct tube loading
- Fixed or variable speed drives



30 psi

720Du, U and S/R



720Du, U and S/RE



800

High-flow hygienic pumping using USP Class VI Bioprene tubing or STA-PURE tubing.

- Flow rates up to 35 GPM
- Full Clean-In-Place and Steam-In-Place capability
- Extensive motor/gearbox control options



100 psi

825



840



SPX

High flow high-pressure industrial pumps with unique patented direct coupled design. Duplex and CIP models available.

- Flow rates from 0.01 GPM to 400 GPM
- Reinforced hoses enable pressures up to 232 psi
- Fixed and mechanically or electronically variable speed drives including explosion proof versions



232 psi

SPX10 and 15



SPX25 and 32



OEM

A wide range of instrument quality and industrial OEM pumpheads for fitting to users own drives, or with faceplate-mounted motor options.

- Flow rates from 0.01µl/min to 300 GPM
- Single and multi-channel pumpheads
- Synchronous, DC, induction, shaded-pole or stepper motors
- Optional Eurocard pcb enables full controllability



30 psi

100



NEW 114



Flexicon

Tabletop, semi-automatic, fully automatic and OEM aseptic filling solutions including bottle handling, stoppering and crimp capping.

- 0.5ml to 5 liter/minute fills
- Handle up to 75 vials/minute
- 0.5% fill accuracy
- Easy product changeover and no cleaning validation



PF6

PF6



FC10/FC32



MasoSine

No shear, high suction lift sinusoidal pumps. Pulsation-free and extremely low maintenance.

- Pressures up to 200 psi
- Flow rates to 400 gpm
- Handle high viscosity products without cavitation
- 3A certified and CIPable



200 psi

MR



EcoSine



Tubing Hoses

Extensive range of tubing ensures chemical compatibility. USP Class VI and FDA approvals. Precision machined, re-enforced hoses provide flow stability and excellent suction performance.

- Twelve tubing materials in bore sizes 0.13mm to 25.4mm
- New materials include ADCF and weldable PureWeld for biopharm, and chemical resistant Style 400
- Four hose materials including Natural Rubber, Nitrile NBR, Hypalon and EPDM from 10mm to 100mm

Marprene

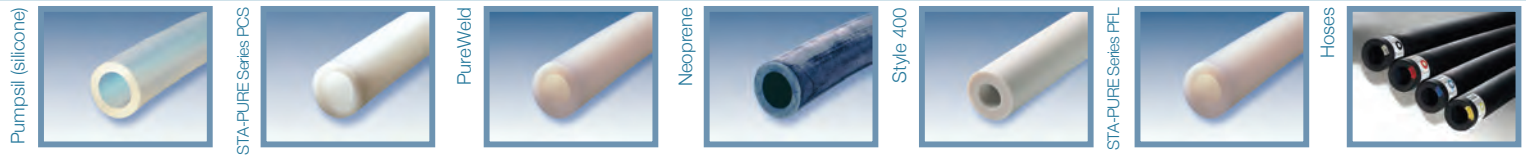
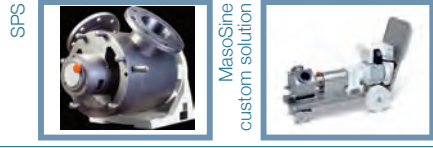
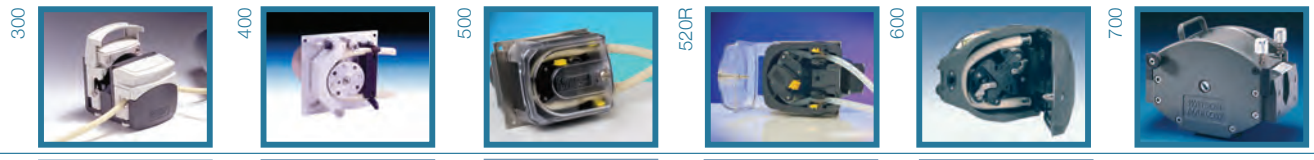
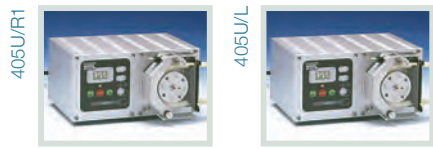


Bioprene



Watson-Marlow pumps bring you

- Accurate and repeatable flow rates
- Contamination free pumping - ideal for shear-sensitive fluids, viscous sludges or slurries, and aggressive acids and caustics
- Easy to install, operate and maintain
- Virtually maintenance-free
- No expensive seals, valves, diaphragms or rotors to leak, clog or corrode
- Designed for continuous duty - 24 hours/7 days
- Pumps act as their own check-valves
- Self-priming up to 30 feet and dry running
- Reversible flow direction

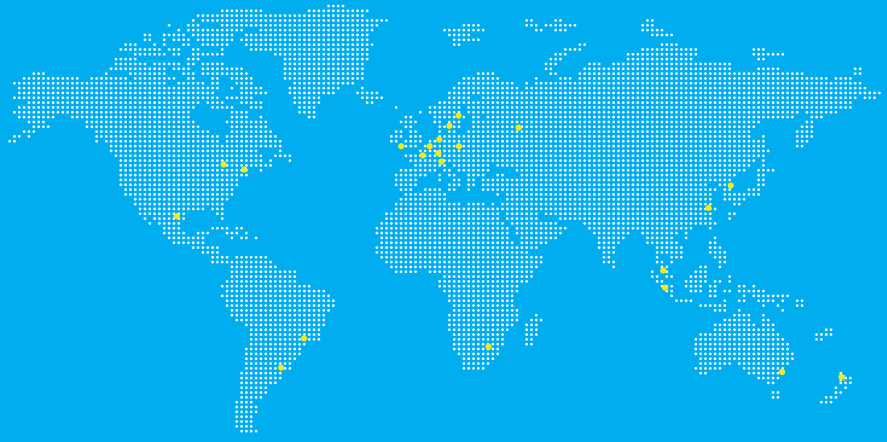




Watson-Marlow Pumps Group

Watson-Marlow Pumps Group has five world-class factories supported by direct sales operations in 20 countries and distributors in more than 50 countries. For contact details visit our website:

www.wmpg.com



HB0203 Issue 8

Watson-Marlow Bredel Alitea Flexicon MasoSine



Watson-Marlow online

Our engineers around the world can help you choose the perfect pump and tubing for your needs.

More information? Our brochures are on our website - www.wmpg.com



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