

INDUSTRIAL SOLUTIONS

INDUSTRIAL AND ENVIRONMENTAL SOLUTIONS



Watson-Marlow Fluid Technology Solutions

Watson-Marlow Fluid Technology Solutions supports its customers locally through an extensive global network of direct sales operations and distributors

wmfts.com/global



World-class pumps

for industrial fluid transfer applications



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Watson-Marlow Fluid Technology Solutions is unique in being able to work with you to ensure your fluid transfer requirements are achieved. Our industrial peristaltic and sinusoidal pumps, hoses and tubing integrate seamlessly into your process control system, providing very low maintenance and low whole life cost.

WATSON MARLOW Pumps

Watson-Marlow peristaltic pumps eliminate the need for ancillaries and increase productivity by providing accurate and repeatable flow rates. Rapid and simple installation ensures a low total cost of ownership.

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Qdos® peristaltic metering pumps



Flow rates from 0.001 USGPH to 158.5 USGPH
Up to 102 psi pressure
Cut chemical costs through higher accuracy metering
Simple drop-in installation eliminates ancillary equipment
One minute tool-free maintenance



600 series

Flow rates from 0.0003 USGPM to 5 USGPM
Up to 60 psi pressure



700 series

Flow rates from 0.0005 USGPM to 14.5 USGPM
Up to 30 psi pressure



500 series

Flow rates from 0.0001 USGPH to 55 USGPH
Up to 100 psi pressure



Panel Mount OEM

Flow rates from 0.01 ul/min to 35 l/min
Complete OEM pump with EtherNet/IP™ and PROFINET® options



Close-coupled pumps

Flow rates from 0.02 USGPM to 5 USGPM
Fixed or variable speed
ATEX option available



WATSON MARLOW Tubing

Watson-Marlow is the only peristaltic pump manufacturer in the world to manufacture its own tubing, optimizing our tubing tolerances and formulation to deliver the best process pump performance.

wmfts.com/tubing

Marpren®

Industrial grade thermoplastic elastomer tubing

- Wide chemical compatibility and long life
- Low gas permeability
- Highly resistant to oxidizing agents



Maxthane®

The perfect choice for peristaltic dosing and metering applications

- Compatible with a broad range of chemicals
- LoadSure element for easy changeover
- International food compliance



LoadSure®

LoadSure technology offers snap-fit one minute maintenance

- Greater reliability, easy installation and increased productivity
- Elements guarantee correct tube loading
- Requires less than one minute to change



Bredel

Hose Pumps

Bredel hose pumps have suction lift capability up to 30 feet, are dry running and self-priming. Without seals, ball check valves, diaphragms, glands, immersed rotors, stators or pistons to leak, clog, corrode or replace, they are ideal for abrasive slurries, corrosive acids, and gaseous liquids. Precision machined hoses guarantee tolerances and perfect hose compression, eliminating slippage which can destroy shear sensitive product and reduce metering accuracy.

wmfts.com/bredel

APEX® hose pump series



Flow rates to 27.3 USGPM
Optimized for process uptime up to 116 psi pressure
Seal-less, valve-less design lowers total cost of ownership
Increased process uptime with precision machined hose elements



Bredel® hose pump series



Flow rates up to 475 USGPM
Designed for heavy-duty operation. Handles abrasive slurries, corrosive acids and gaseous liquids up to 232 psi
Seal-less, valve-less design lowers total cost of ownership
Minimal maintenance - just change the hose



Natural rubber (NR)

Resistant to diluted acids and alcohols
Max. fluid temp 176F
Min. fluid temp -4F



EPDM

Resistant to highly concentrated acids and bases
Max. fluid temp 194F
Min. fluid temp 14F



Buna N (NBR)

Resistant to oils, greases, alkalis and detergents
Max. fluid temp 176F
Min. fluid temp 14F



CSM

Resistant to ketones, alcohols and concentrated acids
Max. fluid temp 176F
Min. fluid temp 14F



Aflex Hoses are the most technically advanced range of PTFE lined flexible hose products in the world. Hoses are designed to ensure fast flow, resistance to high pressures and temperatures as well as combining unmatched flexibility with kink resistance.

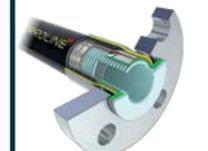
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Corroflon®



The PTFE liner in Corroflon has shallow convolutions which minimize the restriction in flow rates, and an external reinforcement wire in the external convolutions provides full vacuum resistance and kink resistance

Corroline+®



Corroline+ hose is designed for use as a chemical hose or industrial hose, with the added benefit that it has been reinforced to withstand the most severe conditions of physical abuse. Corroline+ is crush & kink resistant

masosine Process Pumps

MasoSine® Sinusoidal pumps deliver a low shear, gentle pumping action that safely transfers shear sensitive products without risk of damage
Low shear with almost zero pulsation sinusoidal pumps
High suction lift with low NPSHR/NIPR to avoid cavitation
Superior energy efficiency, especially within viscous application

wmfts.com/masosine

SPS series



Flow rates up to 434 USGPM
Up to 217 psi pressure
Handles products with a viscosity up to 8 million cP
High suction capability up to 12 psi

