

INDUSTRIAL AND ENVIRONMENTAL SOLUTIONS

# World-class pumps

for industrial fluid transfer applications





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.

[wmfts.com/watson-marlow](http://wmfts.com/watson-marlow)

### Qdos® chemical metering pumps



Flow rates from 0.1 ml/min to 2 L/min  
Up to 9 bar pressure  
Cut chemical costs through higher accuracy metering  
Simple drop-in installation eliminates ancillary equipment  
One minute tool-free maintenance

**ReNu**  
TECHNOLOGY



### 600 series

Flow rates from 0.001 ml/min to 19 L/min  
Up to 4 bar pressure



### 700 series

Flow rates from 0.12 L/min to 33 L/min  
Up to 2 bar pressure



### 500 series

Flow rates from 0.4 µl/min to 3.5 L/min  
Up to 7 bar pressure



### Panel mount pumps



Flow rates from  
0.01 µl/min to 35 L/min  
Available with OEM drives  
or pumpheads only



### Close-coupled pumps



Flow rates from 0.09 L/min  
to 19 L/min  
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, optimising our tubing tolerances and formulation to deliver the best process pump performance.

[wmfts.com/tubing](http://wmfts.com/tubing)

### Marpren®

Industrial grade  
thermoplastic elastomer  
tubing

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



### Maxthane®

The perfect choice for peristaltic  
dosing and metering applications.

- Compatible with a broad range of chemicals
- LoadSure and Y element options 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 9.5m, are dry running and self-priming. Without seals, ball checks 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](http://wmfts.com/bredel)

### APEX® hose pump series



Flow rates to 6,200 L/hr  
Optimised for process uptime  
up to 8bar 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 108,000 L/hr  
Designed for heavy-duty operation.  
Handles abrasive slurries, corrosive  
acids and gaseous liquids up to  
16bar  
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 80C  
Min. fluid temp -20C



### EPDM

Resistant to highly  
concentrated acids and bases  
Max. fluid temp 90C  
Min. fluid temp -10C



### Buna N (NBR)

Resistant to oils, greases,  
alkalis and detergents  
Max. fluid temp 80C  
Min. fluid temp -10C



### CSM

Resistant to ketones, alcohols  
and concentrated acids  
Max. fluid temp 80C  
Min. fluid temp -10C



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.

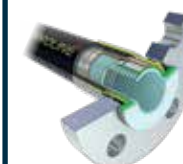
[aflex-hose.com](http://aflex-hose.com)

### Corroflon®



The PTFE liner in Corroflon has shallow  
convolutions which minimise 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 and  
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](http://wmfts.com/masosine)

### SPS series



Flow rates up to 99,000 L/hr  
Up to 15bar pressure  
Handles products with a viscosity  
up to 8 million cP  
High suction capability up to  
0.85bar



## INDUSTRIAL SOLUTIONS

**WATSON  
MARLOW**  
Pumps

**WATSON  
MARLOW**  
Tubing

**Bredel**  
Hose Pumps

**masosine**  
Process Pumps

**AFLEX HOSE**

### 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](http://wmfts.com/global)



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