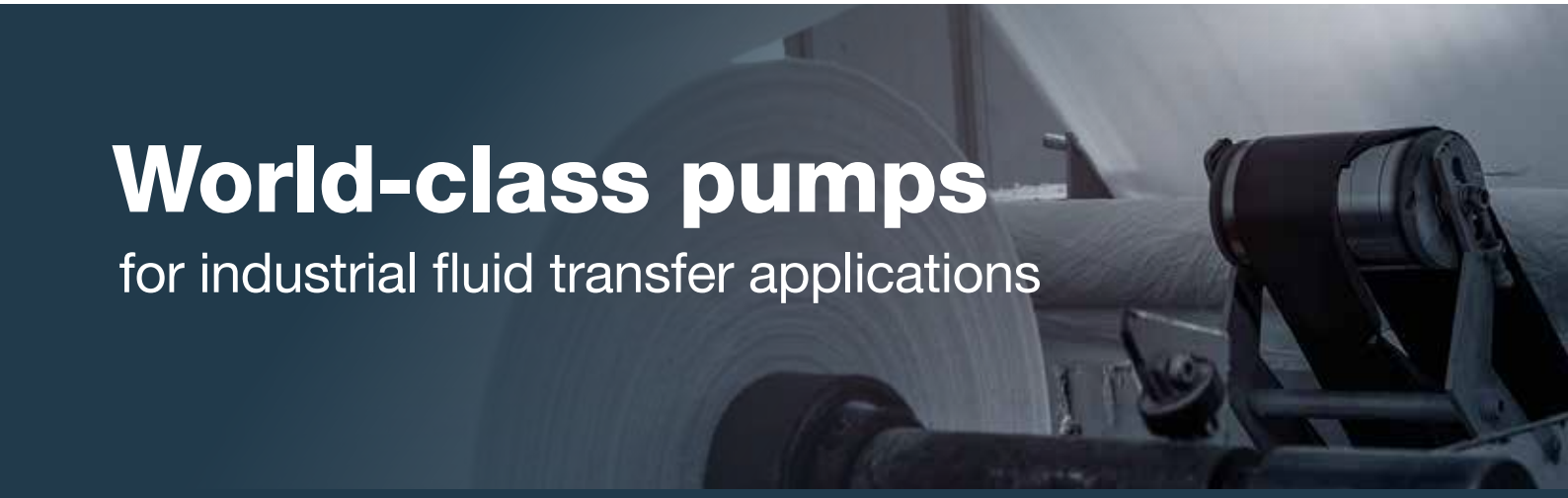
WATSON MARLOW

Fluid Technology Group

INDUSTRIAL AND ENVIRONMENTAL SOLUTIONS

World-class pumps

for industrial fluid transfer applications



Watson-Marlow Fluid Technology Group 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.

wmftg.com/watson-marlow

Qdos® peristaltic metering pumps

Flow rates from 0.1 ml/min to 2 L/min
Up to 7bar pressure
Cut chemical costs through higher accuracy metering
Simple drop-in installation eliminates ancillary equipment
One minute tool-free maintenance

ReNu SU TECHNOLOGY

3 warranty · NSF Certified to NSF / ANSI 61

500 series

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

5 warranty

600 series

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

5 warranty

700 series

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

5 warranty

Panel Mount OEM

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

1 warranty

Close-coupled pumps

Flow rates from 0.09 L/min to 19 L/min
Fixed or variable speed
ATEX option available

1 warranty · Ex

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.

wmftg.com/tubing

Marprene®

Industrial grade thermoplastic elastomer tubing
- Wide chemical compatibility and long life
- Low gas permeability
- Highly resistant to oxidising agents

NSF Certified to NSF / ANSI 61

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.

wmftg.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

2 warranty · Ex · NSF Certified to NSF / ANSI 61

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

2 warranty · Ex · NSF Certified to NSF / ANSI 61

Natural rubber (NR)

Resistant to diluted acids and alcohols
Max. fluid temp 80C
Min. fluid temp -20C

NSF Certified to NSF / ANSI 61

EPDM

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

NSF Certified to NSF / ANSI 61

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 HOSE

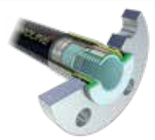
Aflex Hoses are the most technically advanced range of PTFE lined flexible hose products in the world. Hoses are designed to ensure fast flow, resistance to high pressures and temperatures as well as combining unmatched flexibility with kink resistance.

aflex-hose.com

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 & 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

wmftg.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

2 warranty · Ex

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Watson-Marlow Fluid Technology Group

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

wmftg.com/global

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