

motralec

4 rue Lavoisier . ZA Lavoisier . 95223 HERBLAY CEDEX

Tel. : 01.39.97.65.10 / Fax. : 01.39.97.68.48

Demande de prix / e-mail : service-commercial@motralec.com

www.motralec.com

WATSON

MARLOW

Bredel

PUMPS

700 series

NEW

Perfect process pumping with LoadSure® technology



**LoadSure peristaltic technology
makes your system more
reliable – and saves you money**

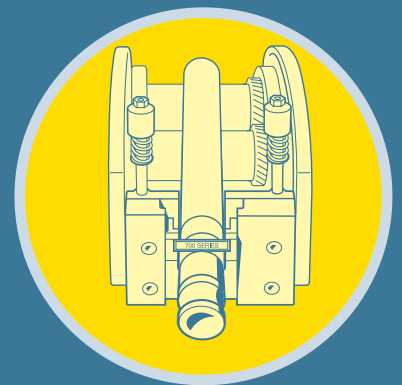
LoadSure technology, more reliable and

More tube life Less downtime More productivity

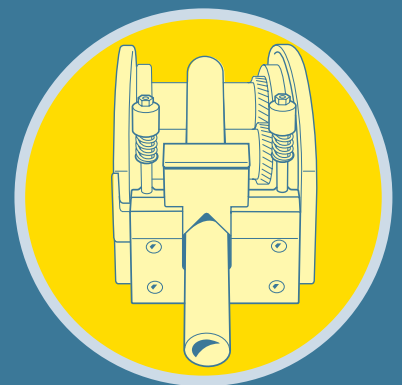
Watson-Marlow Bredel 700 series pumps offer a choice: continuous tube operation or LoadSure industrial elements for accurate loading and maximum uptime. You can even adapt existing continuous tube pumps to the new technology – conversion is just a 10-minute task.

Both versions benefit from the 700 series' unique driven-roller pumpheads which increase tube life and give low-pulse flows to 66 litres/min. They are ideal for industrial processes.

LoadSure technology brings operating cost savings and even greater system security to a pump range renowned for its ruggedness, reliability and trouble-free functionality.



LoadSure



Continuous tubing

NEW 700 series LoadSure technology gives you

- **Greater reliability**

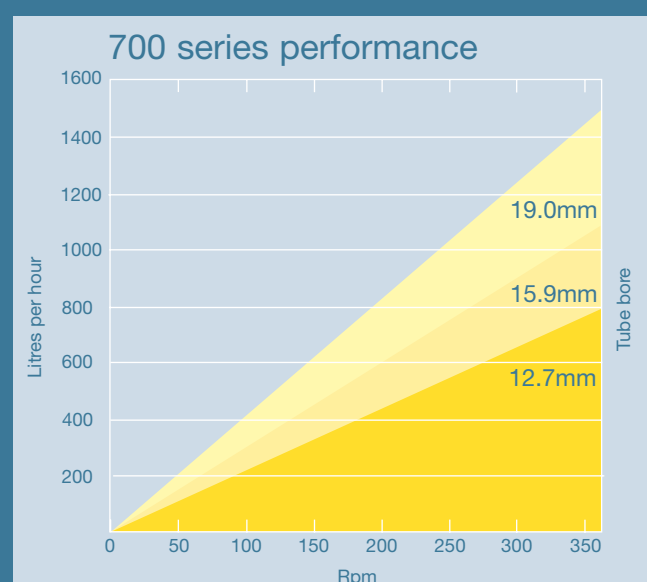
Snap-fit tube loading eliminates operator error. It ensures positive tube location and optimum tube tension, significantly extending tube and service life

- **Quicker changeover**

Tube elements snap straight in. Correct alignment is automatic and the pump is ready for service instantly

- **Easier pump installation**

Quick-release industrial Cam and Groove connections provide a secure, pump-to-system interface



saves you money



1

2

3

- 1 Snap-fit one end of the element
- 2 Repeat for the other end
- 3 Connect up

Unscrew the pivot pin and remove the track. Lift the element out and snap the new one into place – it's easy thanks to the LoadSure positive location system. Refit the track and connect up. That's all there is to it.

Drive options

Choose the drive to suit your needs. Options include cased drives with membrane panel control and digital displays, plus high accuracy speed control. For hazardous areas, there are fixed and variable speed EExd-rated motors and a high-power pneumatic alternative. All are built to the IP55 standard for "washdown" environments.



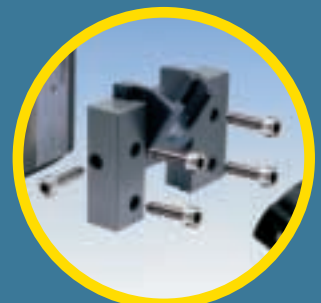
Industrial Cam and Groove connectors ensure a secure, instant seal

Retro-fit

One pump, two pumping options. LoadSure element conversion kits make it easy to switch from continuous tubing to snap-fit elements.

The task can be done in 10 minutes with the pump in-situ.


Benefit from LoadSure technology immediately.



Pump Series


100 Low flow single channel pumps. Fixed and manual/auto control variable speed.

- Flow rates from 1µl/min to 53ml/min

101F/R 


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

- Flow rates from 0.6µl/min to 22ml/min per channel

205S/CA 


300 Compact single or multi-channel laboratory pumps with manual, remote, analogue, RS232 or dispensing control.

- Flow rates from 2µl/min to 2200ml/min

323E/D 


400 Ultra compact scientific pumps with up to four channels.

- Flow rates from 1µl/min to 610ml/min

401U/D1 


500 Our core range of IP31 and IP66 industrial washdown process pumps.

- Flow rates from 10µl/min to 4.4 litre/min

520S/R 


600 IP66 mid-flow process pumps with full clean-in-place and steam-in-place capability.

- Flow rates from 50ml/min to 18.3 litre/min

623S/R 


700 IP55 industrial pumps with manual or auto control, single or twin channel.

- Flow rates from 1.6 litre/min to 2,000 litre/hr

704S/R 


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

- Flow rates from 0.3 litre/min to 80m³/hr


SPX40 

OEM OEM pumpheads for fitting to user's own drives, or with faceplate-mounted motor options.

- Flow rates from 0.01µl/min to 33 litre/min

100 

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

Marprene 

Manual control variable speed single channel pump

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Manual / auto control variable speed single channel pump

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Twin channel baseplate mounted pump

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Fixed speed single channel pump

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Variable speed ATEX rated pump

•

Pneumatic, baseplate mounted single channel pump

