

PERIFLEX



pumps & gearboxes
A RICHARD ALAN GROUP COMPANY



PERISTALTIC HOSE

PUMPS & GEARBOXES LIMITED. SPECIALIST PERISTALTIC HOSE AND TUBING COMPANY

We are a UK supplier of high quality precision made peristaltic pump hoses, using the very highest quality compounded rubber materials on the market, reinforced with multi-layers of braided nylon & a manufacturing process that ensures precise and constant dimensional tolerances at every point to the entire length of the hose.

This high level of attention provides a finished hose product that delivers very long life & outstanding performance.

PRODUCTION PROCESS

The hose fabrication process consists of wrapping the hose in a protective cover and then curing as part of the final bonding process. Upon cooling, the hose is precision machine ground. This last step separates our hose from the many others that are available in the market.

If the hose is not precision ground, this can lead to a number of disadvantages:

- Hose exceeds specified dimensions – this could overstress the pump, gearbox and motor bearings.
- Hose is below specified dimensions – the pump could suffer from a damaging backflow of product, leading to a reduction in flowrate, hose erosion and a reduction in hose life.



BENEFITS OF PRECISION GROUND HOSE

Minimises friction between the shoe or roller and the hose, thereby:



REPLACEMENT HOSE CAN BE SUPPLIED FOR OTHER PUMP BRANDS

With rapid deliveries available, we supply replacement hoses suitable for:

Watson-Marlow Bredel, Verderflex, Boyser, Albin, Ragazzini, Delasco, Envirotech and many more.

MATERIAL AND BORE SIZE OPTIONS

Pumps & Gearboxes can supply various materials, including Natural, Nitrile, Food Grade White Nitrile (Meets FDA and 3A compliances), EPDM & CSPE (CSM) rubber.

We can supply hoses in various different internal sizes from 5mm bore to 200mm bore.



NATURAL RUBBER (NR)

Outstanding abrasion resistance. Generally resistant to diluted acids and alcohols.

- Max. fluid temperature 80 °C (176 °F)
- Min. fluid temperature -15 °C (5 °F)



NITRILE RUBBER (NBR)

Resistant to oils, greases, alkalis and detergents.

- Max. fluid temperature 80 °C (176 °F)
- Min. fluid temperature -10 °C (14 °F)



EPDM

Excellent chemical resistance, especially to ketones, alcohols and concentrated acids.

- Max. fluid temperature 100 °C (212 °F)
- Min. fluid temperature -15 °C (5 °F)



CSPE

Outstanding resistance to strong, oxidising products and concentrated acids and bases.

- Max. fluid temperature 80 °C (176 °F)
- Min. fluid temperature -15 °C (5 °F)



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Pumps & Gearboxes Limited
Unit 4, Oakwell Court, Oakwell Way, Birstall, West Yorkshire, WF17 9LU

Email: info@pumpsandgearboxes.co.uk
Tel: +44 (0) 1924 284321
Fax: +44 (0) 1924 445019