

THE “ONE-NUT” CONCEPT

- **The ‘inside out’ design** - allows fluid to pass 'between the diaphragms', directly through the centre of the pump. Air pressure operates 'on the outside'.
- **Faster maintenance** - Fifteen minutes to change diaphragms by the removal of just one nut and without disconnecting the pump from the pipework.
- **Longer lasting diaphragms** - A significantly reduced stroke length allows use of thicker / stronger PTFE diaphragms as standard. Nitrile, Viton® and EPDM are also available.
- **Lower cost spares** - Less than half the quantity of spare parts than any equivalent pump and interchangeability of most air system parts between different series of pumps.
- **No lubrication** - A unique, patented air system incorporating a bolt on spool valve, including manual override buttons, eliminates costly internal air mechanisms and mid position stall normally associated with Double Diaphragm Pumps.
- **Greater inherent safety** - Plastic parts are kept within metal containment and potential leak paths are reduced to a minimum. Even under ATEX conditions pumps can be maintained in Zone I hazardous areas using anti-static PTFE-faced diaphragms.
- **We have recently been awarded Gas Group II C accreditation.** Whatever level of compliance required within Gas Group II (ie: A, B or C) we can supply a compliant pump.

Fast Maintenance Double Diaphragm Pumps



SHORT STROKE, BONDED PTFE/TEFLON **DIAPHRAGMS**

- ✓ **1983 Flotronic developed the first bonded PTFE/Teflon diaphragm.**
Eliminated the need for a rubber diaphragm with a separate PTFE/Teflon overlay
- ✓ **Flotronic has a reduced diaphragm stroke length in all pumps.**
Typically 50% shorter than traditional AOD's which were originally designed around a flexible rubber diaphragm
- ✓ **Multi-million cycle PTFE/Teflon diaphragms**
- ✓ **PTFE/Teflon faced diaphragms with a variety of backing materials**

Fast Maintenance Double Diaphragm Pumps



THE FLOTRONIC PRODUCT RANGE

- ✓ Pump sizes ½” to 3”
- ✓ Flow rates from 1 – 908 litres/min (1 – 200 gpm)
- ✓ Material options include :
 - 304 and 316 stainless steel
 - polypropylene, PVC, PVDF
 - Virgin PTFE/Teflon, Anti-static PTFE/Teflon
 - Hastelloy
 - Aluminium
- ✓ Four different diaphragm sizes, 7” 10” 12” 14”
- ✓ Diaphragm materials including PTFE/Teflon, Nitrile, Viton, EPDM
- ✓ Pumping temperatures from -40°C to 121°C possible

Fast Maintenance Double Diaphragm Pumps

