

## THE ONE-NUT CONCEPT

The 'inside out' concept allows fluid to pass 'between the diaphragms', directly through the centre of the pump.

Air pressure operates 'on the outside'. The benefits are:

### Longer lasting diaphragms

A significantly reduced stroke length allows use of thicker / stronger PTFE diaphragms as standard. Nitrile, Viton® and EPDM are also available.

### Faster maintenance

Fifteen minutes to change diaphragms by the removal of just one nut and without disconnecting the pump from the pipework.

### 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 the zone' up to Zone I using anti-static PTFE-faced diaphragms.

### Flotronic Pumps don't need:

#### Clamp bands

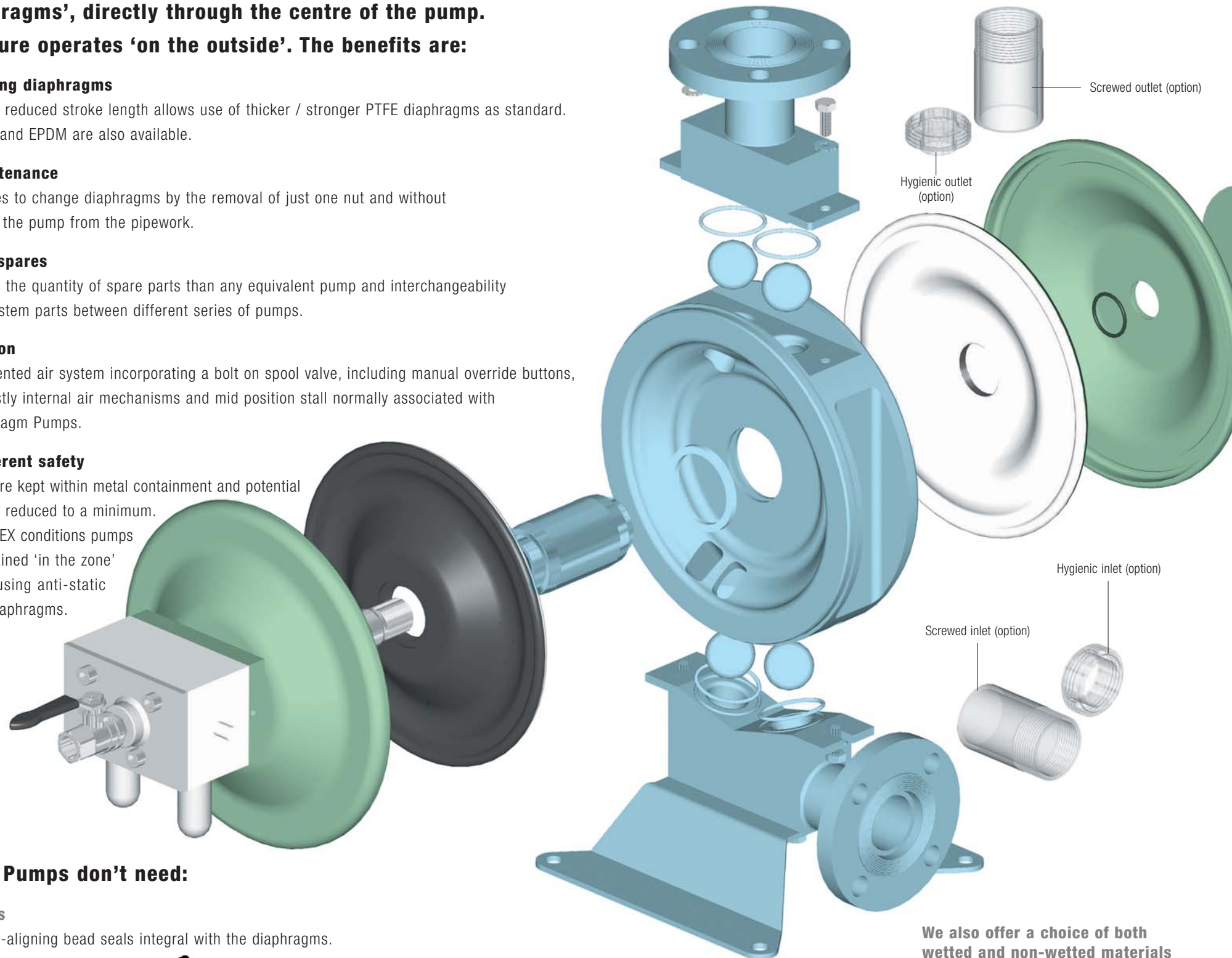
We utilise self-aligning bead seals integral with the diaphragms.

#### Complicated air mechanisms

We simply bolt on a spool valve.

#### Lubrication

We use self-lubricating PTFE parts.



### We also offer a choice of both wetted and non-wetted materials

- **Wetted parts**  
Aluminium, Polypropylene, PVC, PVDF, 316 stainless steel, exotic metals and solid virgin or anti-static PTFE with PTFE, Viton®, EPDM or Nitrile rubber diaphragms, balls and seals.
- **Non-wetted parts**  
Version E = Painted carbon steel – Version S = Stainless steel.

## ATEX

Flotronic's unique One-Nut range of air-driven, Double Diaphragm Pumps comply fully with the electro-static hazard requirements defined in ATEX Group II, Category 2, effective 1/7/03. FPL has independent accreditation by the authorised company ITS Limited of Leatherhead UK.



### Why not try a one-nut concept Double Diaphragm Pump.

If you've got air on site consider this:

- Self-priming – will lift up to 3.6m dry
- Very high viscosity capability
- Can run dry
- Low shear
- No lubrication
- Any material you want
- PTFE diaphragms as standard
- Ultra clean
- Variable speed or pressure
- Fifteen minute maintenance 'in line'
- Customised pumps a speciality
- Can stop/re-start against a closed/open valve without pressure relief or damage. (No by-pass required)

