

G03 diaphragms

The Kel-Cell version of the G03 pump has been available since 2006. There are various parts that are not interchangeable with non Kel-Cell G03 pumps. Care must be taken when ordering service kits and spare parts to be sure whether they are for a Kel-Cell pump or not.

G03 diaphragms

Diaphragms for Kel-Cell G03 pumps are NOT the same as for non Kel-Cell pumps. The Kel-Cell diaphragms have a thicker outer bead which locates into machined grooves on the diaphragm plate and the valve plate which only appear on the Kel-Cell pump. This is to hold the diaphragm in place during operation of the Kel-Cell. Kel-Cell is only available with X & E cam pumps.

All **Kel-Cell** diaphragms and kits start with **K03**

Part numbers for G03 Kel-Cell diaphragms are

K03-018-1240 Buna-N-XS
K03-018-1242 Neoprene
K03-018-1243 EPDM
K03-018-1245 Viton XT

Full details of all G03 Kel-Cell parts can be found on the Hydra-Cell web site.
www.hydra-cell.com

G03 with Teflon diaphragms

- PTFE diaphragms are only available with X & E cams
- PTFE diaphragms are not available with Kel-Cell
- PTFE diaphragms are not available with plastic heads

These diaphragms are very rigid and do not flex as easily as normal elastomer materials.

In order to achieve our standard performance curves (which are based on water and elastomer type diaphragms) a pressure feed will be necessary, (25-40psi). This will ensure the full stroke of the Teflon diaphragm is achieved.

With flooded suction only, a drop in flow of approx. 30% can be expected. The pump speed may need to be increased to compensate for this, therefore a variable speed drive would be an advantage.

In both cases, discharge pressure must be at least 4 ñ 5 bar.