

Hydra-Cell®

Industrial Pumps

Kel-Cell®

Diaphragm Position Control (DPC)

New, patented Diaphragm Position Control (DPC) technology greatly improves Hydra-Cell® pump protection and reliability under adverse and potentially damaging system conditions, such as:

- *Inlet pipe or inlet filter partially or completely blocked*
- *Inlet shut-off valve partly or completely closed*
- *Inadequate liquid supply*
- *Excessively viscous fluid*
- *Inadequate discharge pressure*
- *Other conditions which result in excess vacuum conditions on the inlet of the pump*



Kel-Cell® DPC is available on all D-10 and G-10 pumps including slurry duty models and D-12 and G-12 models

D-10/G-10 including slurry duty models and D-12/G-12 Kel-Cell® models of Hydra-Cell® pumps can be equipped with Wanner Engineering's new patented DIAPHRAGM POSITION CONTROL (DPC) technology.

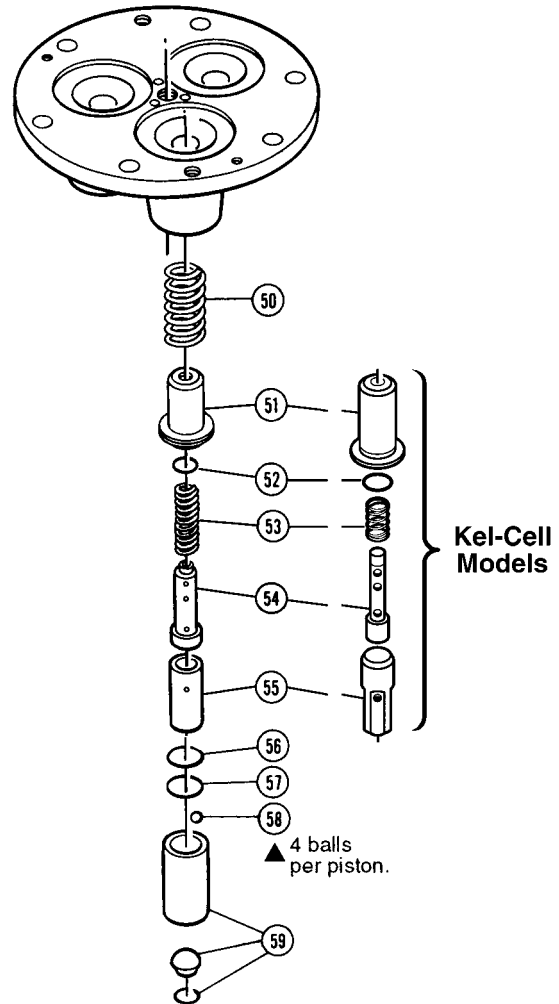
The Kel-Cell controls the position of the diaphragm under a wide variety of adverse inlet conditions and provides a new degree of diaphragm rupture protection. (See diagram at right for comparison of Kel-Cell components.)

While following the standard installation guidelines for Hydra-Cell pumps is recommended, Kel-Cell DPC equipped pumps will greatly reduce the possibility of an incidental failure of a diaphragm, should an unforeseen problem occur, such as:

- Inlet pipe partially or completely blocked
- Inlet filter partially or completely blocked
- Inlet shut-off valve partly or completely closed
- Inadequate liquid supply
- Excessively viscous fluid
- Inadequate discharge pressure
- Or any other conditions which result in excess vacuum conditions on the inlet of the pump.

The Kel-Cell DPC system is an enhancement of the existing Hydra-Cell technology. Generally, in cases where poor inlet conditions could eventually lead to a diaphragm failure, the Kel-Cell DPC will prevent the failure from happening. Troubleshooting can be focused on finding and rectifying the system problem which contributed to the "apparent" poor pump performance. The diaphragm will not require replacement due to incidental damage, resulting from poor system design.

The Kel-Cell's patented DPC enhances the performance, reliability and durability of Hydra-Cell pumps. "Standard Installation Guidelines" should always be followed to ensure consistent and reliable system performance. The Kel-Cell DPC is not a substitute for good system design!



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