

# White Knight

## AP Series Pumps



- 0-100° Celsius
- Factory Warranty on Customer Re-Build\*
- No Maintenance Warranty
- Wet Side Construction  
100% PTFE/PFA



- Air Side Construction  
Polypropylene, PFA, Ceramic†
- Zero Metal
- Zero O-Rings

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† Air side shuttle valve does contain 2 ceramic pieces

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## AP Series Pumps

The White Knight AP Series pumps are constructed from 100% PTFE and PFA in the liquid path side does contain a ceramic sleeve and spool and some polypropylene parts. AP Series pumps capable of pumping liquids at a constant or thermal cycling 100° Celsius.

### Features:

- Absolutely no metal parts.
- Absolutely no o-rings.
- Absolutely no lubrication in air shuttle or shift mechanisms.
- No preventative maintenance over the warranty period.
- One year from install, 18 month from purchase, no cycle or time limit warranty.
- Class 100 clean room assembly, testing, and packaging.
- Unique construction requires no re-torquing or re-tightening of sealed surfaces.
- Virtually any size or style of liquid connection in the industry without the use of NPT threads.
- Field changeable liquid connectors.
- End user rebuildable/repairable.
- Detent-free shuttle valve design allows one moving part in the shuttle valve, e reliability.
- Remote-able shuttle valve.
- Gravity reset forces pump to re-start a virtually any stall.
- Patented Pneumatic Logic® forces rec portions of the pump to decelerate jus each shift, greatly reducing liquid puls: pump vibration.
- Pneumatic Logic® design allows for pu against any amount of back pressure, dead head. Upon back pressure reduc pump automatically re-starts.
- Available with leak detection.
- Available with electronic controls and/i monitoring.
- Available with added pulsation dampe reduce pulsation even further.

AP Series pumps rebuilt by White Knight carry a full warranty just as the new pump did (at no e charge). White Knight will warranty AP Series pumps rebuilt by any non- White Knight technician successfully completes a free two day training course at the White Knight facility in Hemlock, MI

### Sizes Available:

- **AP 300** – 110 liters per minute 1 year warranty
- **AP 200** – 68 liters per minute 1 year warranty
- **AP 100** – 40 liters per minute 1 year warranty
- **AP 50** – 20 liters per minute 1 year warranty

