

White Knight

X Series Pumps



Less Expensive Adaptation of Our Most Popular 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, PTFE/PFA, Ceramic†
- Zero Metal
- Zero O-Rings



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†Air side shuttle valve does contain 2 ceramic pieces

*White Knight does warranty pumps rebuilt by a White Knight certified technician who successfully completes a two day training course in Hemlock, Michigan

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X Series Pumps

The White Knight X Series pumps are constructed from 100% PTFE and PFA in the liquid path. The air side does contain a ceramic sleeve and spool and some polypropylene parts. X Series pumps are 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 for only one moving part in the shuttle valve, enhancing reliability.
- Remote-able shuttle valve.
- Gravity reset forces pump to re-start after virtually any stall.
- Patented Pneumatic Logic® forces reciprocating portions of the pump to decelerate just before each shift, greatly reducing liquid pulsation and pump vibration.
- Pneumatic Logic® design allows for pumping against any amount of back pressure, up to dead head. Upon back pressure reduction, the pump automatically re-starts.
- Available with leak detection.
- Available with electronic controls and/or monitoring.
- Available with added pulsation dampener to reduce pulsation even further.

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

Sizes Available:

- X 100 - 40 liters per minute 1 year warranty
- X 50 - 20 liters per minute 1 year warranty

