

# AFX PUMPS IN AGRICULTURE

peristaltic hose pumps

The agriculture industry is expansive and has a diverse range of applications. Common throughout the industry, however, are the high demands that are placed upon pumps. Fluid containment, chemical compatibility and abrasive resistance are just some of the challenges facing pumps within this industry. AFX pumps not only provide process improvements and cost savings but also have distinct benefits over other pump types:

- Fluid containment entirely within the hose with no seals or glands.
- Suction lifts to 9.5m.
- Abrasive-resistant.
- Long pump life and low maintenance.
- Dry-running and self-priming capability.



Applications such as handling chemicals and liquid fertilisers can often result in corrosion on traditional pumps. In the AFX pump, the pumped fluid is contained entirely within the pump hose, only the hose and connections need be selected to withstand any chemical attack from the process fluid.

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AFX pumps have a clear flow path through the hose and can run dry indefinitely. They are self-priming up to 9.5 metres ensuring excellent suction capabilities. Gas locking or blockage is virtually eliminated due to the pump design, and the flexibility of the pump allows for easy, low-cost installation with guaranteed performance. Peristaltic pumps, due to their positive displacement nature, are inherently suited to dosing and transfer applications. The high quality of the AFX pump hose ensures consistent and repeatable performance with accurate levels of dosing.

Pump failure during production can be hazardous. AFX pumps have no seals, valves, diaphragms or glands to leak, clog or corrode. Normal maintenance is limited to the hose and lubricant only.

Hose failure during operation can be monitored and contained, thereby controlling any potential hazard.

