

# SmartPurge™

## Advanced Purge Sensor Technology

**LAKOS**  
**SMARTPURGE™**



### SPECIFICATIONS:

**Maximum Temperature:** 176°F (80°C)

**Maximum Pressure:** 145 psi (10 bar)

**Controller Power Requirements :** 100-240 V, 50/60 Hz

**Controller:** CUL 508c Listed

**Contact Ratings:** 5 AMP, 120/240 VAC

**NEMA/TYPE :** 4X, IP 66

**The First Smart Separator Purge System Has Arrived.**

*SmartPurge™ Sensor detects solids level within a LAKOS Separator and activates automated purge. More efficient purge cycles leads to labor and energy savings and reduced downtime.*

### Features and Benefits:

- Vibrating blade senses changes in solids level within LAKOS Separator, activating purge
- Detects solids with specific gravity 2.6 and up
- Durable 304 stainless steel construction for long life
- Separator purges only when required, reducing energy costs, fluid loss, and maintenance time
- User adjustable purge times
- Status indicator light
- Works with all LAKOS purge valves
- Failsafe mode to warn of improper operation



### Fully Automated SmartPurge™ System



- SmartPurge™ Sensor
- Controller
- Purge Valve\*



\*Works with any LAKOS purge valve

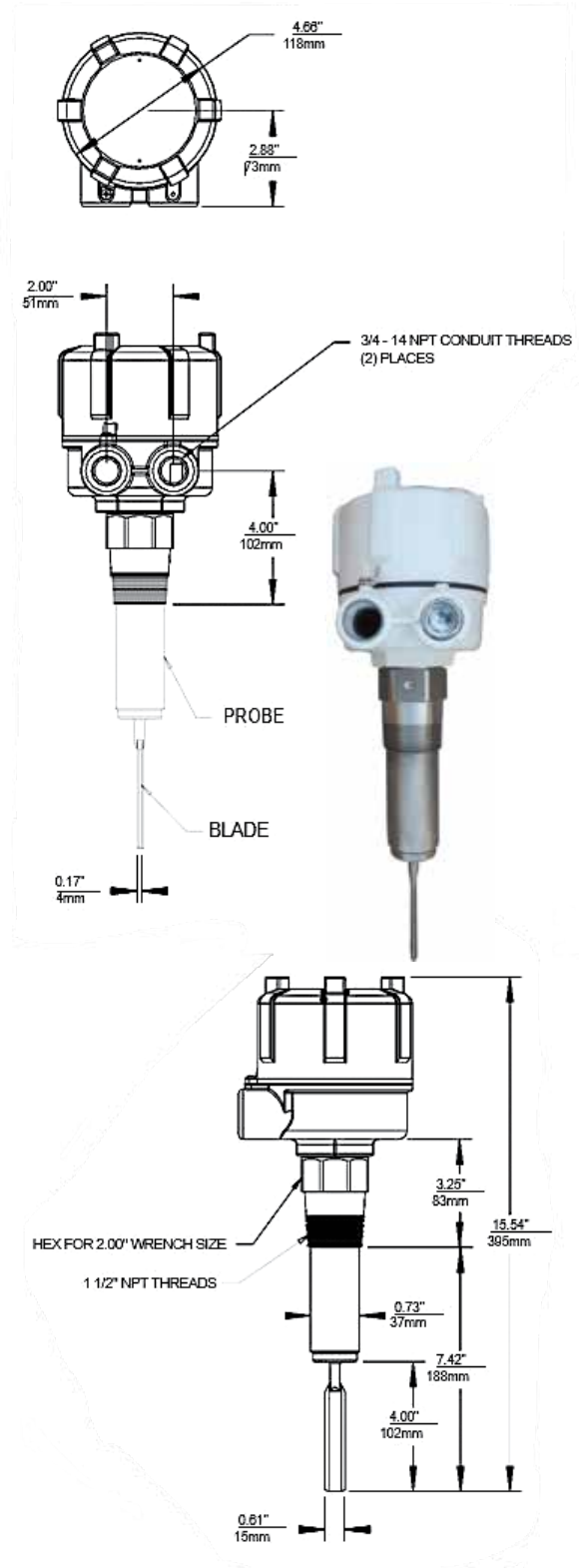
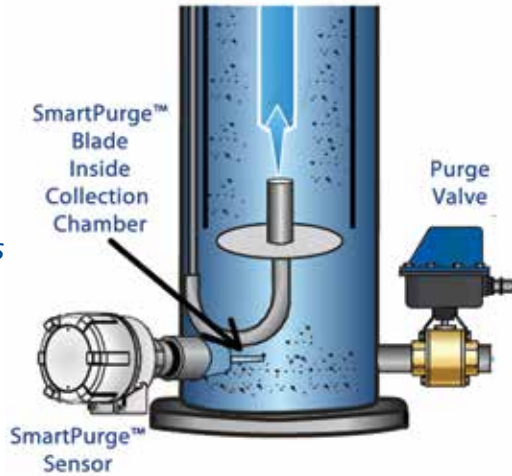


## How It Works

The SmartPurge™ has a vibrating blade that stops vibrating when it is covered by accumulated solids in the collection chamber of the LAKOS Separator.

An electronic circuit then activates a relay indicating the purge level has been reached.

An automated purge valve opens for a pre-programmed duration, and the solids are purged.



## Compatible Purge Valves



ABV Valve



APP Valve



AFS Valve



AKE Valve

SmartPurge™ is a registered trademark of Claude Laval Corporation

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