

SmartPurge™

Advanced Purge Sensor Technology



Top View

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

SPECIFICATIONS:

Maximum Temperature: 176°F (80°C)

Maximum Pressure: 145 psi (10 bar)

Please consult factory for separators operating with pressures exceeding 145 psi.

Sensor Power Requirements: 20-250VAC, 50/60 Hz

Sensor Contact Ratings: 5 AMP, 250VAC

Control Box Power Requirements: 100-240VAC

Control Box: CUL 508c Listed

Sensor and Control Box NEMA/TYPE: 4X, IP 66

Contact Factory for Other Requirements

Fully Automated SmartPurge™ System

- *SmartPurge™ Sensor*
- *Controller*
- *Purge Valve**



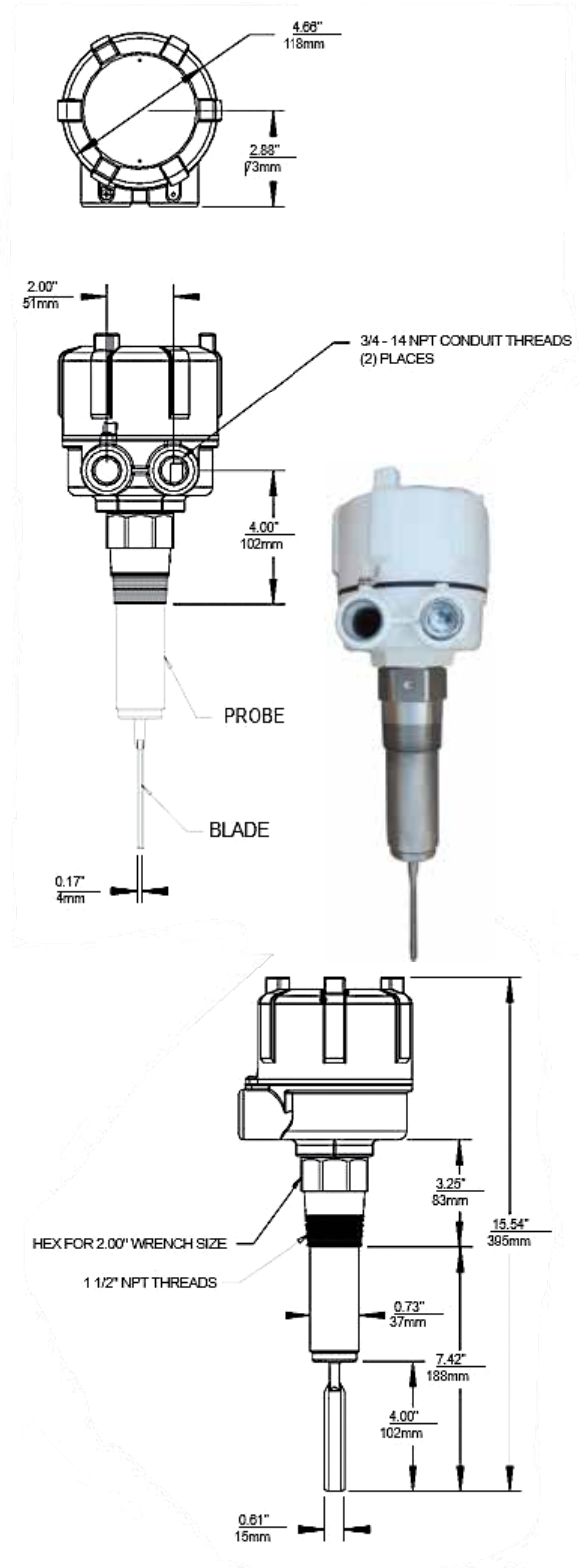
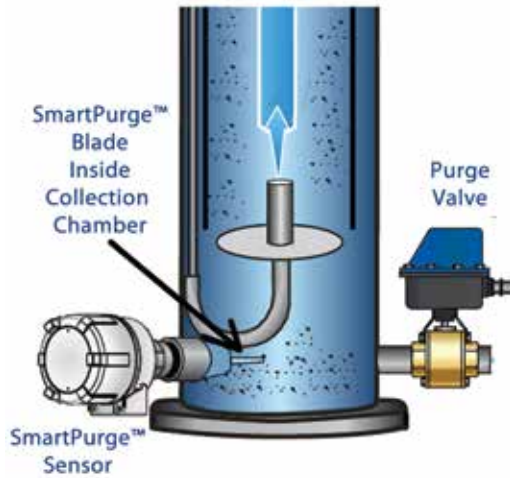
**Works with any LAKOS purge valve*

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.



SmartPurge™ is a registered trademark of LAKOS

Compatible Purge Valves



ABV Valve



APP Valve



AFS Valve



AKE Valve

LS-972E (Rev. 5/19)