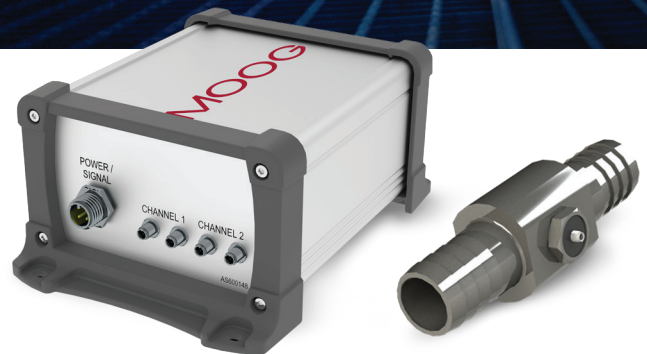


# Prevent cavitation damage before it occurs.

Moog's Ultrasonic Cavitation Sensor actively detects cavitation in real-time, providing instant and actionable data that helps prevent damage before it occurs.

PREVENT SYSTEM DAMAGE

REDUCE DOWNTIME



MOOG®

Existing cavitation sensors are designed to detect the symptoms of cavitation, such as vibration and pressure fluctuations.

Yet by the time these symptoms appear, damage may have already occurred, resulting in costly unplanned downtime.

Unplanned downtime can cost data centers an average of

**\$5,600** per minute\*

Penalties for missing uptime targets can be in excess of

**\$1,000** per minute\*



## Moog's cavitation sensor is different.

It actively detects cavitation, not just symptoms. It provides actionable, real-time data and can be seamlessly integrated into any fluidics system; putting full control of cavitation monitoring in your hands.



**Real-time:** Guardian actively detects cavitation in real-time, providing instant and actionable data that can help prevent damage before it occurs.



**Performance:** Due to its patent-pending design, the Guardian sensor is not susceptible to external "noise" and provides clear data on cavitation events.



**Reliable:** Guardian delivers reliable performance with a long life expectancy and does not require recurring preventative maintenance.



**Flexible:** Guardian can be installed anywhere in the system that may generate cavitation. Sensor sensitivity and alarm thresholds can be adjusted to meet your unique requirements.

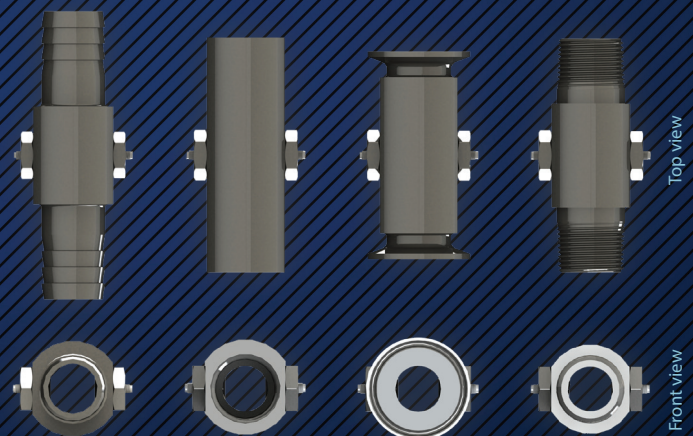
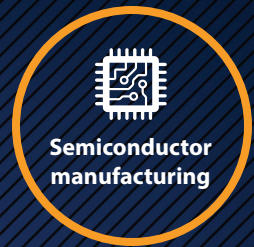


**Easy:** Installation is easy. There is no specialized software to install or complicated algorithm calculations to implement.



**Cost savings:** Real-time detection of cavitation helps to avoid catastrophic system damage and reduces expensive unplanned downtime.

## Potential applications



The sensor transducers are located in the fluid path of a connector tube. The tubing connectors are available in a range of diameters and a variety of connection types, including barbed fittings for flexible tubing, sanitary flange connections, and female / male NPT pipe connections.

## Technical specifications

CHARACTERISTIC	PERFORMANCE / INTERFACE
Operating Voltage	24 VDC
Communication Signal Output	TTL Logic Output
Ambient Temperature Range	10° to +60° C
Fluid Temperature Range	0° to +100° C
Housing Material	316 SS or 303 SS
Input/Output	See options for sizing
Flow Rate (GPM)	1 - 70 GPM
Max. Operating Pressure (PSI)	300 PSI
Certification	UL (pending)



## OUR COMMITMENT TO YOU

*Moog is committed to providing hands-on, comprehensive support to our customers from the initial design phase through installation and ongoing operation. With us, you will always have the ability to directly contact your Moog account manager and qualified engineering support.*

Contact us today to learn more about how Moog's Ultrasonic Cavitation Sensor can work in your fluidics system to prevent damage and reduce unplanned downtime.

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