

# JD Technologies Global, LLC Helps Our Customers Optimize Thermal Management Systems

*Companies must keep up with innovations and JD Technologies Global, LLC and the high-quality manufacturers we represent are up for the challenge.*



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With electronic innovation extending the boundaries of what's possible, cooling systems and thermal management systems, in turn, must keep up. JD Technologies Global, LLC and the high-quality manufacturers we represent are up for the challenge.

Liquid cooling applications include unmanned aerial and ground vehicles, avionics / electronics cooling, air management systems, bleed air systems, environmental cooling systems, RAM airflow, PACK air systems and fuel tank inerting systems to name a few.

JD Technologies Global with our highly qualified manufacturers that we represent, can support our customers' engineers that are developing new or optimizing existing liquid cooling systems. Key areas of support include:

Dual Function Flow and Temperature Transmitters –

- Multiple sensors uniquely calibrated to customer specifications placed at key measuring points in the cooling system.
- Dual function, providing both mass flow rate and temperature from the same device.
- Dual 0-5VDC outputs provide continuous flow rate and temperature measurements to the pump control system.
- Bully flight qualified, COTS, Line Replaceable Unit (LRU) easily integrated into the design and installed with minimal effort.

Thermostatic Valves –

- Self-actuating – no external power needed
- Maintenance free - no periodic calibration
- Highly repeatable position vs temperature

- Very high power-to-size ratio, small, lightweight package
- High reliability / long service life
- Ease of installation
- Proportioning output

#### Seals & Sleeves for Harsh Environments –

- Engineered High Temperature Gaskets, Sleeves, Seals, and Ducting
- High vibration
- High pressure
- Large temperature variations
- In house testing and tool fabrication

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