

SMA VALVE

REVOLUTIONARY THERMAL VALVE DESIGN

WHY UNISON - ONE OPTIMIZED SOLUTION

At Unison, a wholly owned GE subsidiary, SMA valves have a long life, high reliability, and fast actuation time. Our valve design features exclusive shape memory alloy which allows for a significant reduction in actuation time, up to 85% compared to other mechanical thermal valve designs. Unison's SMA valves have 3 components compared to 12 in a typical design, thus creating higher reliability. This simplistic design is both pressure and thermally actuated ensuring a long life. The SMA Valve can be sized to meet the required performance in either an open assembly or self-contained cartridge design.

BENEFITS VS. TRADITIONAL DESIGN

- Low Complexity
- Fast Thermal Actuation (15 seconds)
- Long Thermal Life (~200,000 cycles)
- All metal design

QUICK FACTS

- Unison is the leading global supplier of complex electrical & mechanical systems and components for gas turbine engines
- Every 2 seconds, an aircraft with Unison technology takes off
- Unison is a global company, employing more than 2,000 team members
- Unison has 5 major manufacturing locations as well as engineering centers and FAA-certified repair stations globally



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WHY UNISON?

As a global leader in aviation performance solutions, we have the products and experience to solve your toughest aviation problems.

To learn more our team is ready to help! Contact us for additional information:



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Visit us at www.UnisonIndustries.com



Call your Unison sales representative