

slick-ht is the ultra high temperature version of **rime's** patented rotary shear valve servo pulser. it builds on the proven success of our first generation **slick**[®] servo pulser, our second generation **slick-hd**[®] servo pulser and adds the expanded capabilities of our **agilis-ht**[®] universal pulser driver, all combining to provide expanded functionality to temperatures as high as **200°C**.

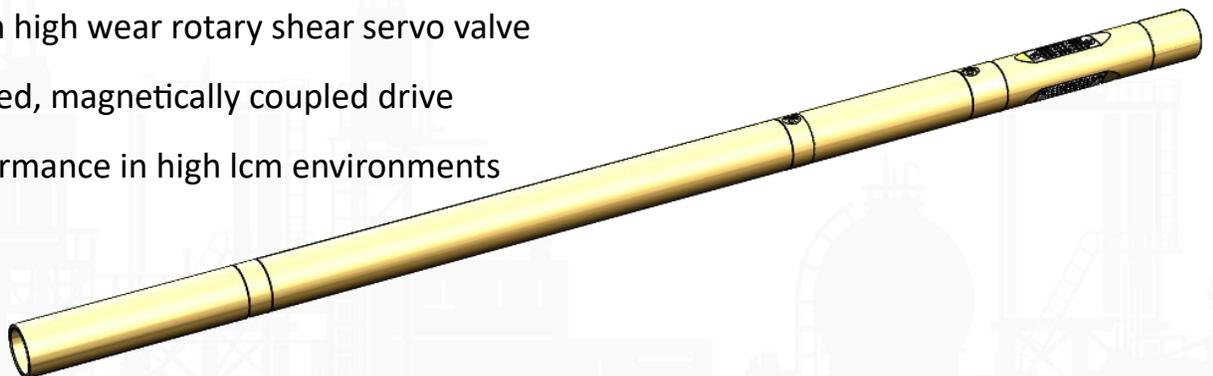
slick-ht features the same rotary shear servo valve from our **slick-hd**[®] servo pulser and provides exceptional performance in high solids and high lcm environments. it minimizes the pressure loss through the servo module, thus allowing greater forces to be imparted to the main valve assembly. this helps create more reliable, sharper and cleaner pulses than can be achieved with other types of servo pulsers. the wiping and cutting action of the rotary shear valve clears away any compacted debris and ensures unobstructed flow through the system in the most challenging and contaminated environments.

slick-ht decouples the hydrostatically compensated section of the servo pulser from the pulser driver module with a high torque magnetic coupling assembly. this eliminates failures of the motor and driver module caused by corrosion, fluid or gas invasion and erosion while also reducing frictional losses in the drive train.

slick-ht is available in both dual port or quad port versions. dual port provides the highest level of lcm capability while quad port offers the ability to achieve faster pulse widths. **slick-ht** is available with many connector and interface options including kintec, lemo and mdm.

the combination of the rotary shear valve, magnetic coupling drive mechanism and ultra high temperature control electronics enables **slick-ht** to have exceptional performance in the deepest, hottest environments while maintaining the best combination of low operating cost, high reliability and exceptional functionality.

- ultra high temperature servo pulser
- **200°C**, 20,000 psi rated
- second generation high wear rotary shear servo valve
- piston compensated, magnetically coupled drive
- exceptional performance in high lcm environments



specifications

nominal length	46.9" (1191.26mm) with kintec connector
housing o.d.	1.875" (47.6 mm)
operating voltage range	10-40VDC (20-35V recommended)
power consumption	~5mA standby, ~125mA*s/pulse @ 28V (~3.5 joules/pulse)*
operating temperature	32° to 392°F (0° to 200°C)
shock rating	1000g, 0.5ms, ½ sine, 10 times, all three axes
vibration rating	5-30Hz@1in double amplitude, 30-500Hz 20grms all axes
pressure rating	20,000 psi (137,895kPa)
operating pulse widths	0.375-2.000 s with dual port option
	0.188-2.000 s with quad port option
flow switch	integrated two axis, solid state with high configurability. three axis option available
memory	4kB of EEPROM for configuration and statistical data logging

patents

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