

JASC's Water Cooled Liquid Fuel Check Valves!

JASC is pleased to announce the successful development and testing of a Water Cooled Liquid Fuel Check Valve. This state-of-the-art application is a modified version of the JASC Liquid Fuel Check Valve that incorporates active cooling of the check valve's external housing. The original functionality of the present JASC liquid fuel check valve is maintained with the addition of active cooling to reduce the valve's internal temperature.

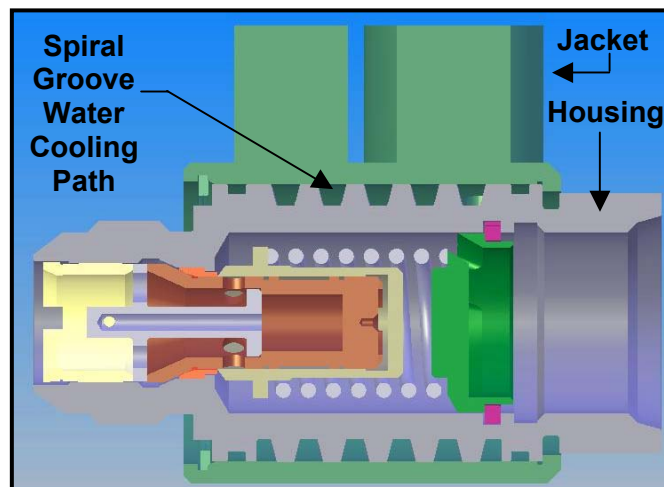


JASC Water Cooled Liquid Fuel Check Valve



JASC Water Cooled Liquid Fuel Check Valve Housing and Sleeve

The new design uses water as a cooling medium to maintain an internal check valve temperature that is below the coking threshold of diesel fuel (approx. 250 °F), while operating in an ambient environment in excess of 500 °F. Successful tests have been conducted with water temperatures up to 150 °F, water pressure at 80 psi, and as little flow as ½ GPM flow rate, while still maintaining an internal check valve temperature below the coking threshold.



JASC Water Cooled Liquid Fuel Check Valve Cross Section

For information on these and other product specialties, please visit us on the web at www.jasc-controls.com.