Hydrocarbon Dosing Valve

Description

The Hydrocarbon Doser Valve controls the amount of fuel injected into the exhaust upstream of the Diesel Oxidation Catalyst (DOC) to allow efficient regeneration of the Diesel Particulate Filter (DPF). LISK designs and produces Dosers, Full Doser Assemblies (including mounting hardware plus casting for specific engine applications) and many different designs for Mid Range and Heavy Duty engines.

LISK has a wide range of in-house testing capabilities including but not limited to Engine Dynamometer, International Standards Testing, Vibration Testing, Environmental Testing and Hydraulic / Pneumatic Testing.

• Highly customizable
• Finely atomized spray
• Various coil designs and connector options
• Flow rates of 1.0 cc/sec - 11 cc/sec or higher
• Leakage values less than <.010 cc/min.
• Response times of 2.5 - 3.5 msec for most applications
• Filtration feature
• Thermal robustness to 650°C (coolant required)

PATENTS

<table>
<thead>
<tr>
<th>Doser Valve Products</th>
<th>Adjustable Doser Valve</th>
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<tr>
<td>System for Purging a Device</td>
<td>JP 5448104</td>
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<td>CA 2721439 C</td>
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<td>EP 2279335 B1</td>
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Go to www.gwlisk.com to learn more about our custom solenoids, solenoid valves, sensors (LVDT) and flame arrestor products.

A World Leader in Aerospace, Military and Commercial Products

www.gwlisk.com
LISK provides control valve solutions for the medium and heavy duty engines of global OEM’s. LISK emission control products allow medium and heavy duty diesel engine manufacturers to meet EPA, Euro, and PNLT regulations. Our On/Off Highway Engine Valve Group includes:

- **DPF Hydrocarbon Dosing:** Inward and outward opening poppet designs for Mid Range and Heavy Duty applications
- **EGR:** Poppet and Butterfly designs, Hydraulic Solenoid Actuated and Electric Motor Operated (with CAN control)
- **Natural Gas:** Fuel Control Valves, Fuel Shut-Off Valves, Fuel Pressure Regulators
- **Turbo:** Variable Geometry Control (VGT) & Waste Gate Control Valves

LISK uses in-house capability and collaborates closely with customers to design and activate their solutions.

**LISK is a global leader in the design and manufacture of custom solenoids, solenoid valves, LVDTs, and flame arrestors, providing custom-engineered solutions to customers in diverse markets including military, aerospace, automotive, commercial, and medical. We provide custom-engineered products and solutions to help customers meet demanding operational and strict environmental requirements in the following areas:**

- Application Solutions
- Hardware Engineering
- Mechanical Design & Development
- Rapid Prototyping
- Qualification Testing
- Industry Certifications
- Vertical Integration (Manufacturing)
- Serial Production