Description
LISK designs and manufactures exhaust control valves used in Exhaust Gas Recirculation applications for Turbo, Wastegate, Diverting and Waste Heat Recovery. These products are designed with robust actuation forces from hydraulic actuation. LISK has linear (poppet style) and rotary (butterfly style) valve options, both controlled via a servo control valve with mechanical feedback to provide continuous position authority.

- Operates in 700°C exhaust temperature
- Operates in 200°C underhood temperature
- 100% duty cycle authority with hydraulic actuation
- Actuator forces are scaleable

\[ y = -2563.8x^3 + 5968.7x^2 - 4477.2x + 1178.3 \]
\[ R^2 = 0.9935 \]

BOBBAH STYLE CV vs PLATE ANGLE

PATENTS
Proportional Control Valve for Exhaust Gas Recirculation
US6601821 B2
EP1207330 B1
CA2720788
CA272078

Proportional Position Feedback
Hydraulic Servo System
US8313082 B2
EP2440792 B1

Control System for Regulating
Air Flow to Engine Intake
US6883320 B2

GO TO WWW.GWLISK.COM TO LEARN MORE ABOUT OUR CUSTOM SOLENOIDS, SOLENOID VALVES, SENSORS (LVDT) AND FLAME ARRESTER PRODUCTS.
About G.W. Lisk Company

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

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

- **DPF Hydrocarbon Dosing**: Mid Range and Heavy Duty Natural Gas Fuel Control Valves, Fuel Shut-Off Valves, and Fuel Pressure Regulators
- **EGR**: Poppet and Butterfly Designs Hydraulic Solenoid Actuated and Electric Motor Operated (w/CAN Control)
- **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.

Headquarters and Manufacturing Facility

G.W. Lisk Company, Inc.
2 South Street
Clifton Springs, New York 14432
USA
Phone: 315-462-2611
Fax: 315-462-7661
E-mail: sales@gwlisk.com

European Manufacturing

Lisk Ireland Limited
Ennis Road, Gort,
County Galway
Republic of Ireland
Phone: 353-91-631711
Fax: 353-91-633011
E-mail: sales@gwlisk.ie

Asia Sales and Manufacturing

Lisk Control Technology Co., LTD
Suzhou Industrial Park (SIP)
No.9, Hongfeng Road
Jiangsu, P.R. China 215021
Phone: 86-512-62990128
Fax: 86-512-62990129
E-mail: sales@gwlisk.com