

# INTEGRATED SMART SOLUTIONS

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## Description

Our integrated smart solutions enable closed loop control of your most important system parameters by leveraging advanced actuator and valve technologies, firmware, drive electronics, sensors and communications protocols. The values listed below are the customer requirements for a specific application.

## Specification

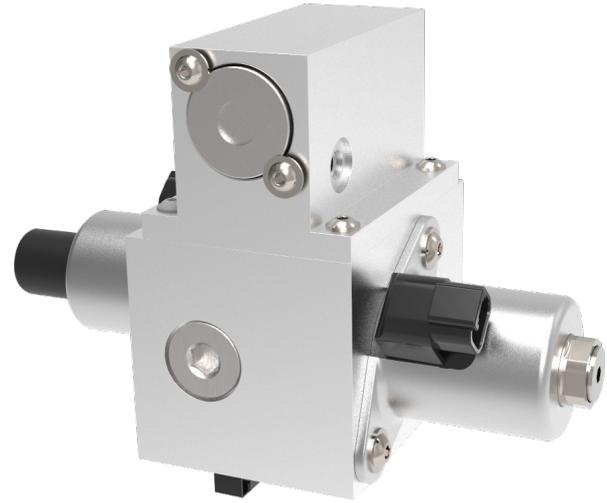
System Flow Response Time: time < 80ms @ min inlet pressure  
Flow Range (Gaseous): 100:1  
Flow Accuracy:  $\pm 3$  to 10% of Flow Command over Flow Range  
Flow Repeatability: <  $\pm 1.5\%$  Instantaneous Flow  
Flow Over/Undershoot: < 2% Commanded Flow  
Internal Pressure Regulation Ratio: 2.5:1  
Dimensions: Width = 9.5", Height= 6", Depth= 5.5" (As Shown)

## Environment

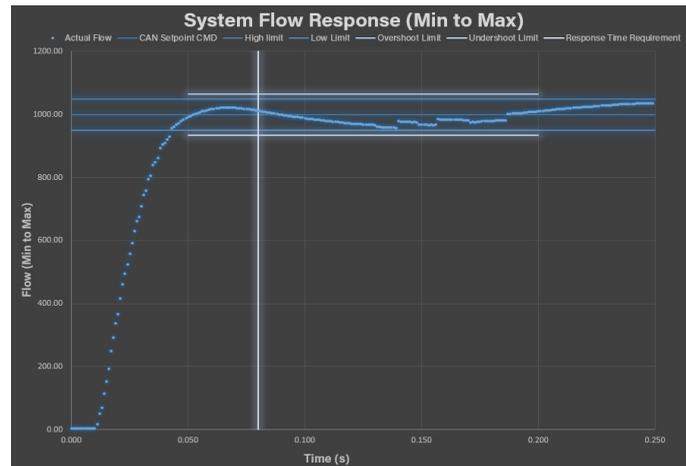
Media Temp: -40°C to 85°C  
Operating Temp: -40°C to 105°C  
Inlet Pressure Range: 60-150 psig  
Component Proof Pressure: 300 psig  
Component Burst Pressure: 600 psig

## Electrical

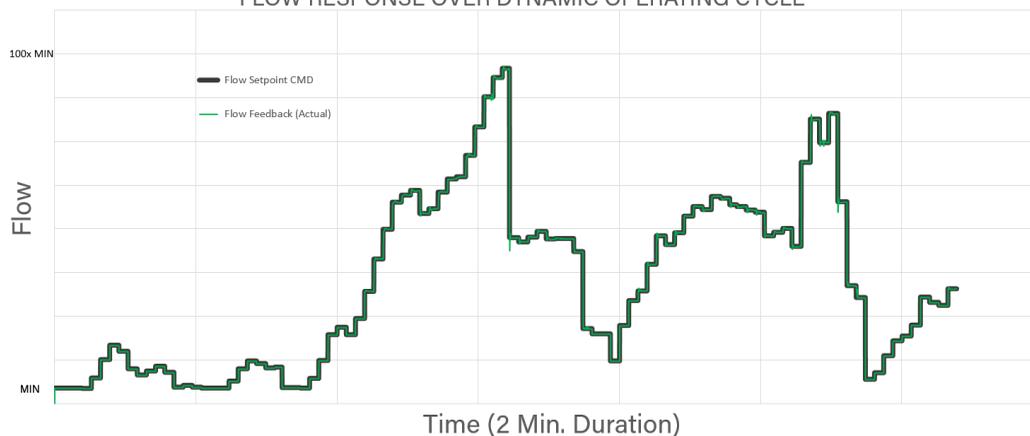
8-34V  
Nominal Operating Voltage: 12V / 24V  
Peak Current Draw: <20A @12V for <100ms  
Max Continuous Current: <5A



Patent Pending Technology



FLOW RESPONSE OVER DYNAMIC OPERATING CYCLE





LISK provides control valve solutions for the medium and heavy duty engines of global OEM's. Our emission control products allow our medium and heavy duty diesel engine customers 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



### ABOUT US

We are a global leader in the design and manufacture of engineered solutions including solenoids, solenoid valves, linear and rotary position sensors, motors, electric actuators and flame arrestors. We serve hundreds of customers in diverse markets throughout the world with market-leading solutions enabled by our extensive design, test and manufacturing capabilities.

