

eWG40 ALS Comp-Gate

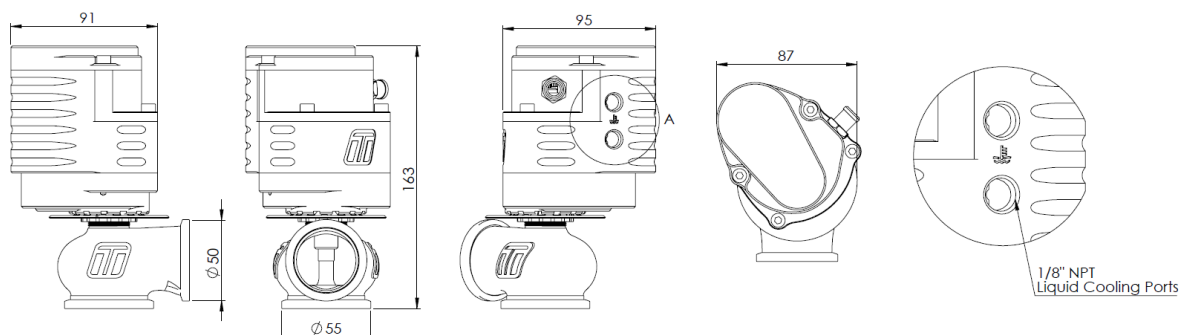


The Gen-V ALS40 Comp-Gate40 external Anti-Lag Valve is a cost effective, high performing 40mm Anti Lag Valve that can be operated without complex activation plumbing. The Gen-V provides extensive user configurability, world leading extended thermal performance, fatigue resistance and best in class flow performance for optimum control and longevity.

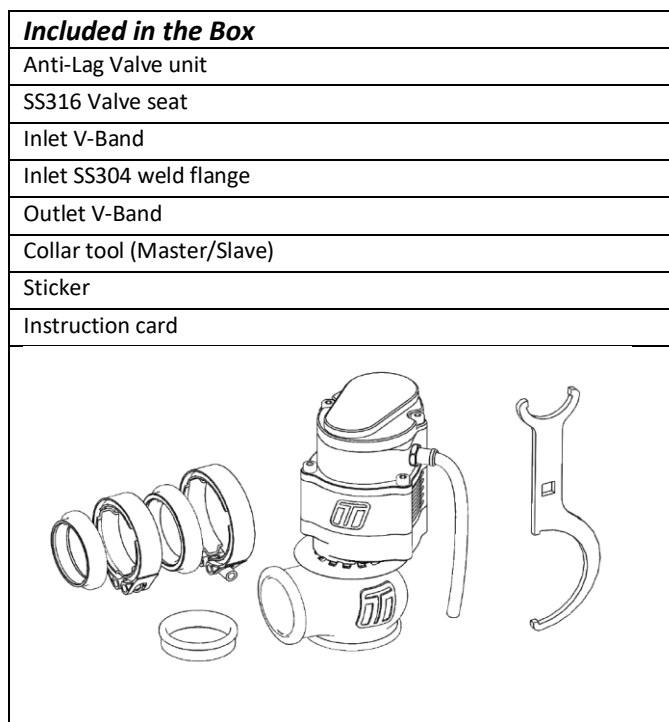
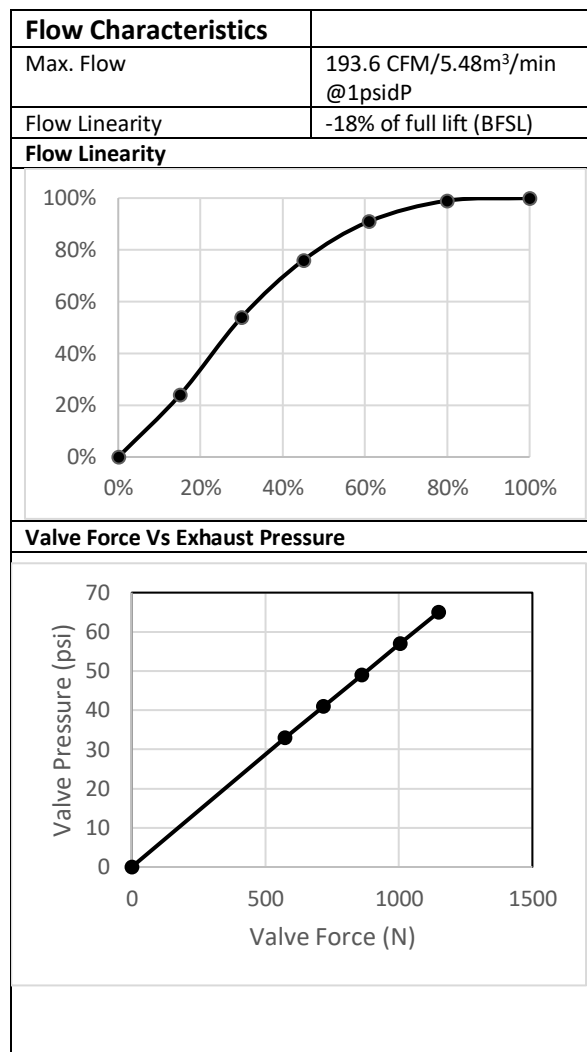
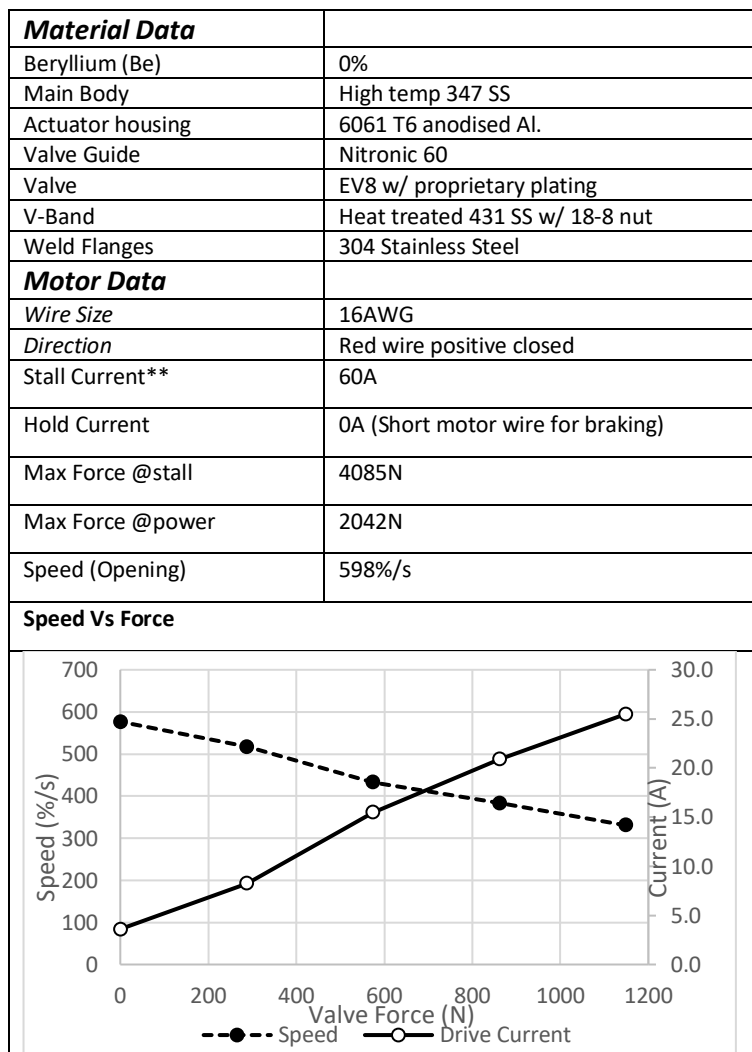
- Liquid cooling provision
- Strap type V-band clamps
- User adjustable actuator position
- Modular actuator design
- Full Electronic control

Mechanical Data	
Valve diameter	40mm (1.57in)
Mass	ALV 40 1572g (3.465 lbs)
Actuator linearity	1.02% of full lift (BFSL)
Set pressure accuracy	+/- 0.5 psi of base pressure
Safe working pressure max.	220 psi / 1520 kPa / 15 bar
Safe inverted pressure max.	180 psi / 1250 kPa / 12.5 bar
Actuator life	550k cycles @ 150°C (302 °F) ambient 800k cycles @ 80°C (176 °F) ambient
Port fittings type	Liquid Cooling: 2x 1/8" NPT
Thermal Data	
Max. thermal stress (non-cooled)*	>45min @ 1250°C EGT continuous
Max. thermal stress (h2O cooled)*	>24hr @ 1250°C EGT continuous
Max. ambient/compartiment temp.	260°C / 500°F
Max. actuator temp.	150°C / 257°F
Electrical Data	
Sensor Operating voltage	5V +-0.5V
Output	Analog 0-5V
Operating Temperature	-40 °C to 150 °C
Sensor Supply Current	21mA

Temp Sensor Data		
Accuracy	+/- 2.5°C	
Voltage offset at 0°C	500mV	
Gain	10mV/ °C	
Response @63%	1.3s	
Sensor Output (mV)	Deg C	Deg F
500	0	32
2000	150	302
Connection Data		
Red 22AWG	5V	
Black 22AWG	0V	
White 22AWG	Valve position	
Yellow 22AWG	Sensor Temperature	
Red 14WG	Motor A (positive closed)	
Black 14AWG	Motor B (positive open)	



*Continual source of minimum 1250°C exhaust gas, with no cool down periods for at least 30minutes and no external air cooling on actuator, this is a destructive test that an ICE engine cannot support. Contact tech support for further information.



Order Data	
TS-0552-1601	WG40ALS Comp-Gate40 Electronic Black
Accessories	
TS-0552-3003	WG40 Inlet V-Band
TS-0552-3004	WG40 Outlet V-Band
TS-0552-3006	WG40 Stainless Inlet Weld Flange
TS-0552-3007	WG40 Stainless Outlet Weld Flange
TS-0550-3013	54mm Actuator Collar Tool
TS-0552-3001	WG40 Valve Seat
TS-0550-3104	ALV40 Outlet Weld Flange: 5-1
TS-0550-3098	ALV40 Outlet Weld Flange: 4-1
TS-0550-3099	ALV40 Outlet Weld Flange: 3-1
TS-0550-3100	ALV40 Outlet Weld Flange: 2-1
TS-0505-3001	WG40 Inlet Weld Flange (Single Outlet)
TS-0550-3101	ALV40 Inlet Weld Flange: Alloy
TS-0550-3102	ALV40 Inlet Pipe Adapter 1 3/4" (44.5mm)
TS-0550-3103	ALV Inlet Pipe Adapter 1=1/2" (38.1mm)
Refer to catalogue for further accessories	

** High amperage for prolonged periods will damage the motor, keep high Amperage operation to short bursts.