

**Product:**

**Actuators for Turbo Charger | Wastegate and VTG**

EKK actuators have excellent actuating characteristics and durability due to a unique bearing and rubber diaphragm design. Besides on/off functionality with negative and positive pneumatic control EKK developed proportional actuators with an integrated position sensor for better controllability of your application.

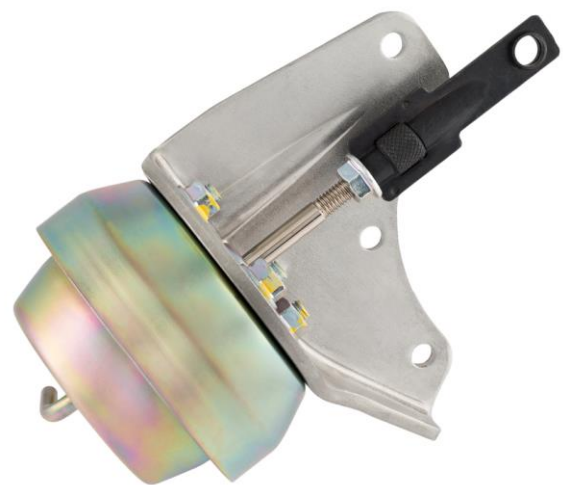
Highly durable material and surface treatment is applied to the rod and bearing, which means the surface is especially good with working in environments with high vibrations. EKK has several materials for the diaphragm and spring to cover operation temperature range. The high quality linkpin is made of special material with heat treatment to guarantee high abrasion resistance. The actuator is highly responsive in low temperatures. This actuator is equipped with a heat shield plate and high heat resistance bearing to guarantee optimal performance in severe temperatures.

## Specifications

Technical features	Wastegate Actuator	VTG Actuator	Unit
Applicable pressure	Max 139	Min. - 80	kPa
Applicable temperature	-40 ~ 150	-40 ~ 150	°C
Operation pressure	50 ~ 120	50 ~ 120 *When stroke is 2mm	kPa
Possible stroke	Max. 5	Max. 15	mm
Durability for pressure	700		kPa
Vibration durability	300, 3 *10 <sup>7</sup> times	300, 3 *10 <sup>7</sup> times	m/s <sup>2</sup>
Thermal shock durability	-40 ~ 150	-40 ~ 150	°C * 20 cycle
Op. durability in high temperature	150	150	°C * 10 <sup>6</sup> times



**Wastegate Actuator**



**VTG Actuator**

*Developing small things that make a big difference.*