



Electrical control valve & Mechanical control valve

- Pressure control valves for automotive air-conditioning variable displacement compressors.
- Controls compressor pressure and rotational load to improve the fuel consumption.
- Eagle Industry's proprietary mechanism incorporating an evacuated metal bellows in the pressure sensing part.



These pressure control valves for variable displacement compressors for car air condition systems are lightweight and compact in size.

The **mechanical control valve** contributes to lower fuel consumption by controlling the pressure that adjusts the compressor output. The bellow is used as pressure sensing device to have high responsiveness for small pressure fluctuation.

The metal below design of the **electrical control valve** achieves perfect pressure balance by cancelling internal pressure. The EKK-specially designed structure results in small hysteresis, more accurate control and high durability.

Operation conditions:

Technical features	Range	Unit
Voltage	Rated voltage 12,0 (13,5 V max.)	V
Temperature	For continuous exposure 120°C (150°C max. and -40°C min.)	°C °C
Pressure	Max. 2,0 (characteristics proof pressure, burst pressure 9,0)	MPaG
Resistance value	10,6 ± 0,5	Ω