



# TRANSMISSION CONTROL SOLENOIDS

## Direct Acting Solenoids for DCT

Husco's transmission control solenoids control the pressure and flow of hydraulic fluid to the clutches, gears, and cooling circuits. Their precise flow control and robust durability reduces energy losses and improves the overall efficiency of the transmission. These valves are produced in a cleanroom environment with full automation from assembly through final test and pack out to meet stringent contamination requirements.



### **Technical Data:**

#### **Proportional Control Valve: System Control**

**Supply Pressure:** 60 bar  
**Coil Resistance:** 4.5  $\Omega$   
**Controls:** Proportional 0-1200mA  
**Regulated Pressure:** Proportional 0-50Bar  
**Off Leakage at 60 bar:**  $\leq 16$  ml/min  
**On Leakage at 60 bar:**  $\leq 50$  ml/min

#### **Proportional Control Valve: Clutch Control**

**Supply Pressure:** 60 bar  
**Coil Resistance:** 4.5  $\Omega$   
**Controls:** Proportional 0-1500mA  
**Regulated Pressure:** Proportional 0-40Bar  
**Off Leakage at 60 bar:**  $\leq 16$  ml/min  
**On Leakage at 60 bar:**  $\leq 50$  ml/min

#### **Proportional Flow Control Valve: QPV**

**Supply Pressure:** 10 Bar  
**Coil Resistance:** 4.5  $\Omega$   
**Controls:** Proportional 0-1100mA  
**Regulated Flow:** 0-1800mL/min

#### **Proportional Flow Control Valve: Accumulator**

**Supply Pressure:** 3-60 Bar  
**Coil Resistance:** 4.5  $\Omega$   
**Controls:** Proportional 0-1200mA  
**Regulated Flow:** P1-T: 0-2200 P2-T: 0-8500mL/min

#### **Linear Force Solenoid: LFS**

**Resistance:** 4.5  $\Omega$   
**Controls:** Proportional 0-1500mA  
**Force Output:** Proportional 0-18N  
**Nominal Stroke:** 2.95mm



Husco's Automotive team specializes in collaborative development of customized performance solutions. Contact the engineering team for your custom solution.

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