



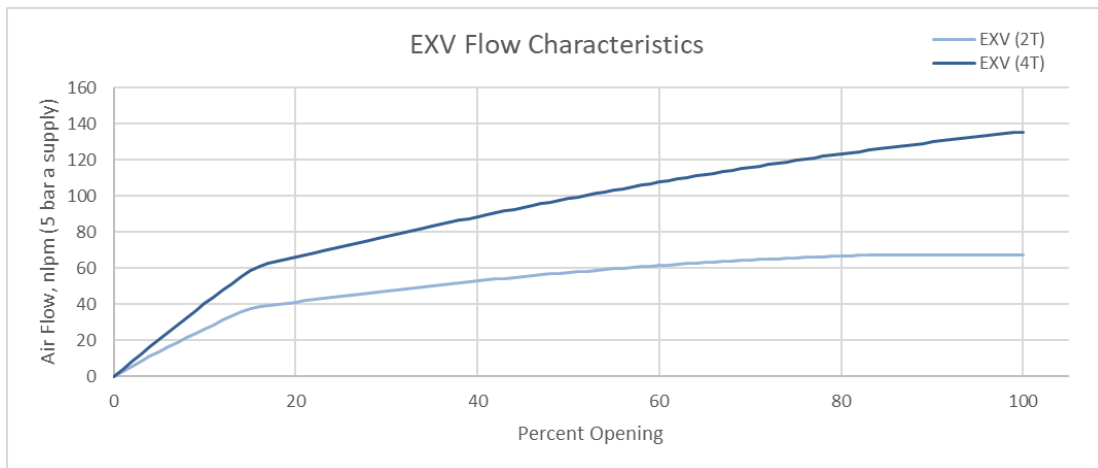
THROTTLING EXV

Proportional Solenoid Valve

An EXV throttling solenoid designed for 2Ton and 4 Ton refrigerant systems. Valve available in normally closed and normally open configurations with automatic return at power loss. Solenoid design includes optional on-board position sensing and controller. Available in cartridge or integrated manifold packages.

***Technical Data:**

Specification	Husco Solenoid EXV – w/PCB	Husco Solenoid EXV – No PCB
Refrigerant Compatibility	R134a, R1234yf	
Continuous Refrigerant fluid operating range	Min: -28°C to 140°C	
Temporary refrigerant operating temperature	Max 150°C	
Environment temperature range	-40°C to 125°C	
Characteristic flow curve	2-Ton, 4-Ton available, see chart below	
Pressure drop characteristic when fully open	Delta p @ 2.5MPa (60°C): 0.37 MPa (with 4-ton sized Solenoid EXV) (Only EXV throttling possible, full pass through mode open area not feasible)	
Max. operating pressure differential (closed)	2.84 MPa Max operating DP	
Control Precision / Hysteresis	± 0.5% position control possible with solenoid valve and position feedback loop.	± 2.5% position control possible with solenoid valve and position feedback loop integrated PID in customer contols
Operating Voltage	9.5-16 VDC	
Addressing, connector / pin	4-pin Configuration: 1 - GND 2 - LIN-IN 3 - LIN-OUT 4 - 12V / PWR	5-pin Configuration: 1 - Solenoid Direct, GND 2 - Sensor, GND 3 - Sensor, PWR 4 - Sensor, SENT signal 5 - Solenoid Direct, PWR (PWM)

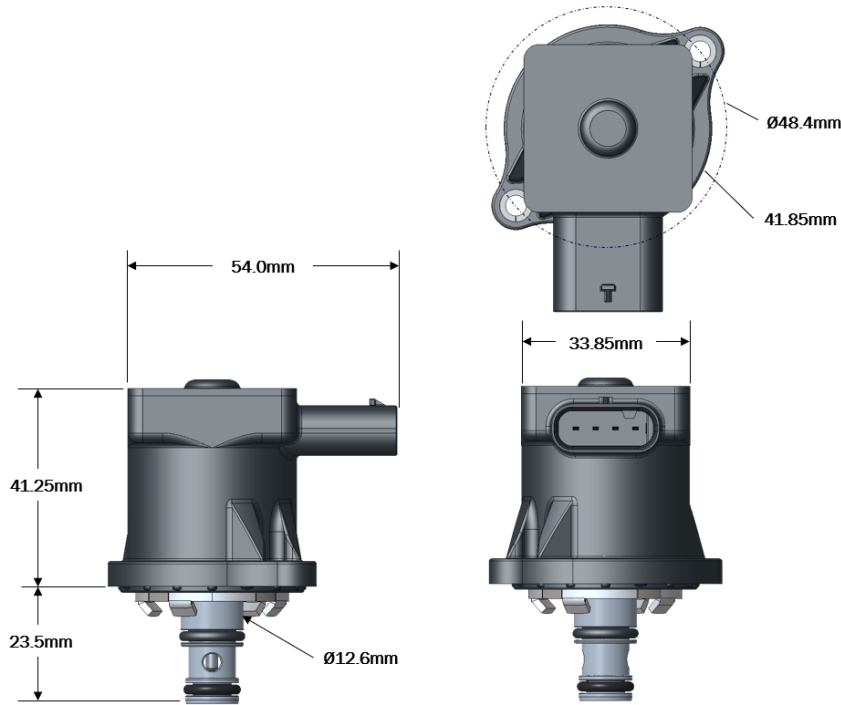


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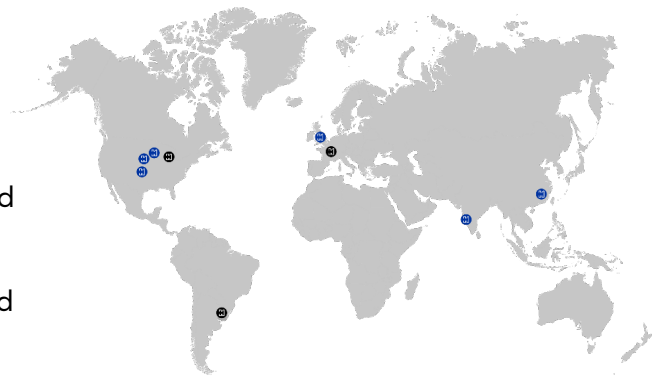
Packaging Size



Partner with Husco

Husco develops comprehensive automotive solutions that drive performance, including systems and components for electric, hybrid and internal combustion engine vehicles.

Husco is a global company with facilities around the world. Options for manufacturing locations include North America, Europe, and Asia.



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

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