



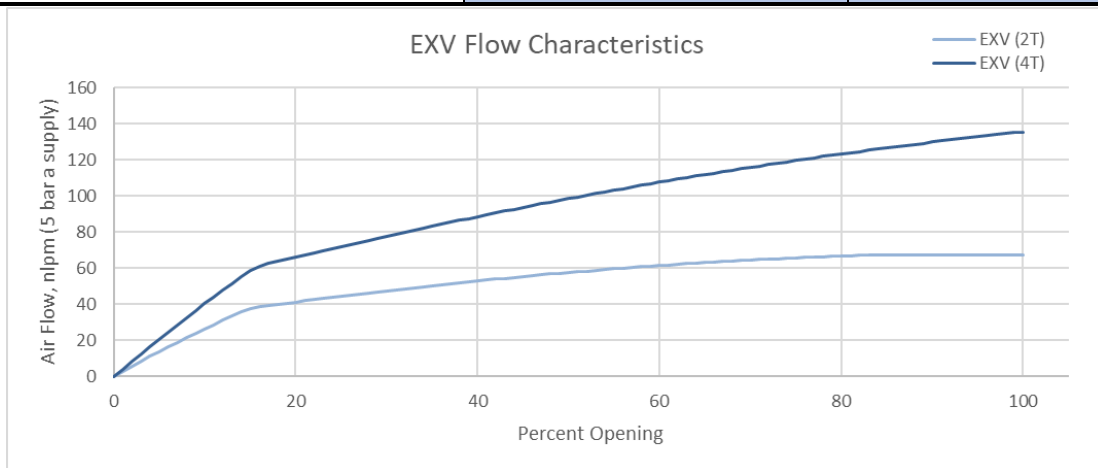
# THROTTLING EXV

## 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	± 2.5% 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)

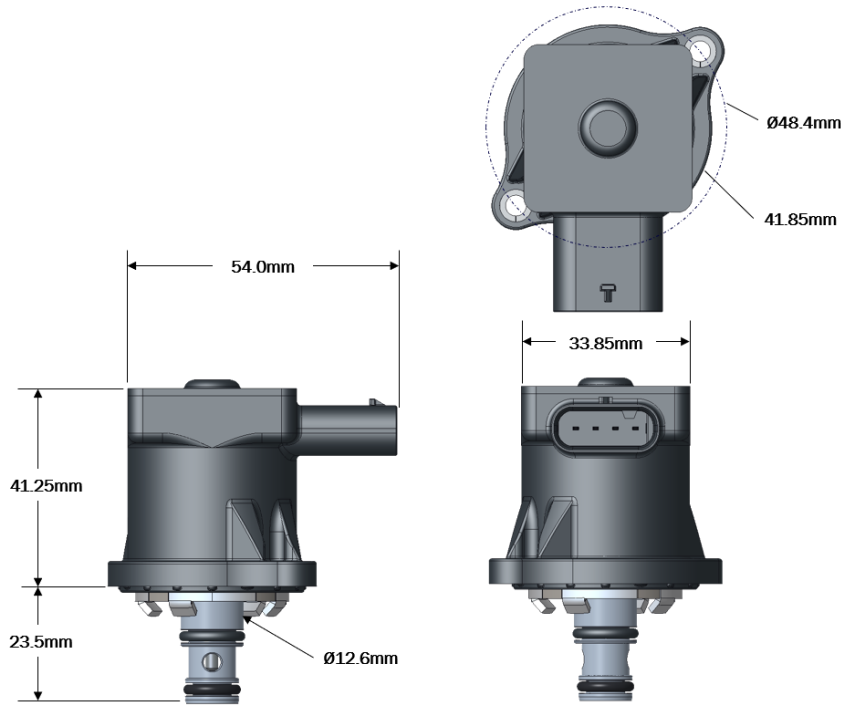


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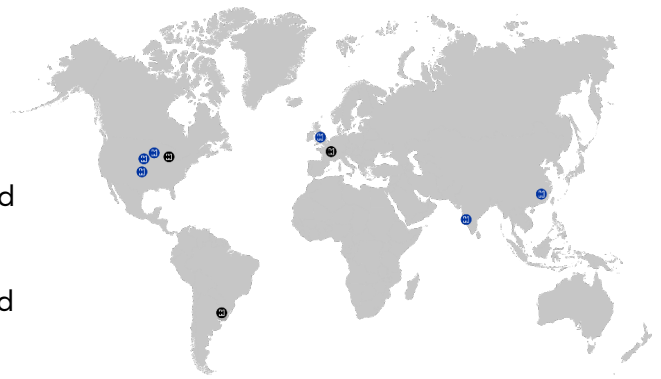
# Packaging Size



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

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