EXV + Bypass

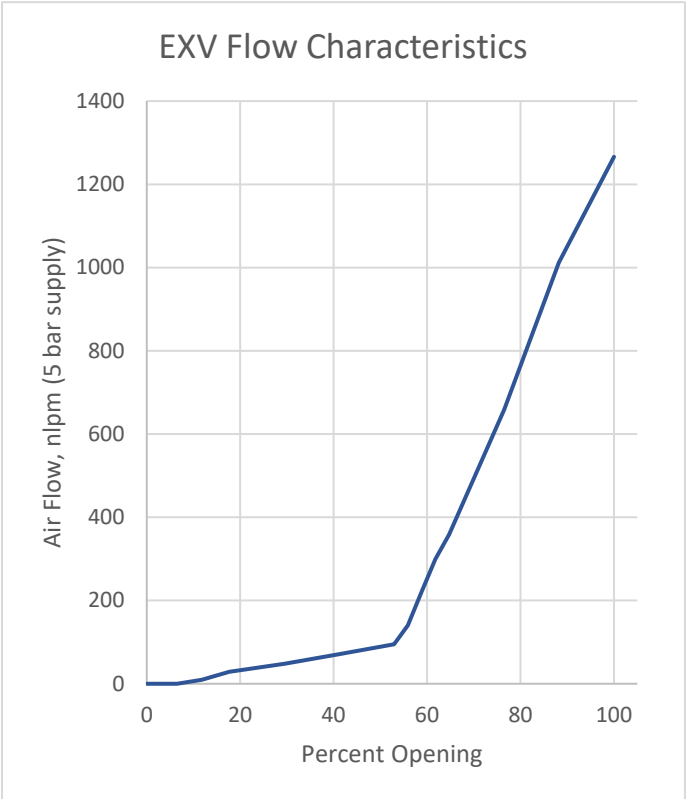
HIGH FLOW EXV WITH THROTTLING AND BYPASS

An EXV with stepper motor driver integrated into straight-thru manifold for bi-directional heat pump applications.

Integrated controller and position sensor (optional) allows for precise control and metering. A fully enclosed drivetrain eliminates external dynamic seals allowing reducing external leakage.

***Technical Data:**

Refrigerant compatibility	R134a, R1234yf, R290
Continuous refrigerant operating range	Min: -28°C Max: 140°C
Temporary refrigerant operating temperature	Max 150°C
Ambient temperature range	-40°C to 125°C
Air Flow Characteristic	See Chart
Max. operating pressure differential (closed)	2.9MPa
Leakage	<1ml/min
Resting position	Optional, can be delivered as desired.
Power loss state	Maintain last powered position (No back-drive drivetrain)
Resolution	Min. 1/2000 of the control range
Area per step	Metering: 0.0025mm²/step Bypass: 0.0229mm²/step
Control Precision / Hysteresis	1% Hysteresis
Operating Voltage	9.5-16 VDC
Addressing, connector / pin	1 - GND 2 – LIN-IN 3 – LIN-OUT 4 – 12V / PWR



HUSCO AUTOMOTIVE

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

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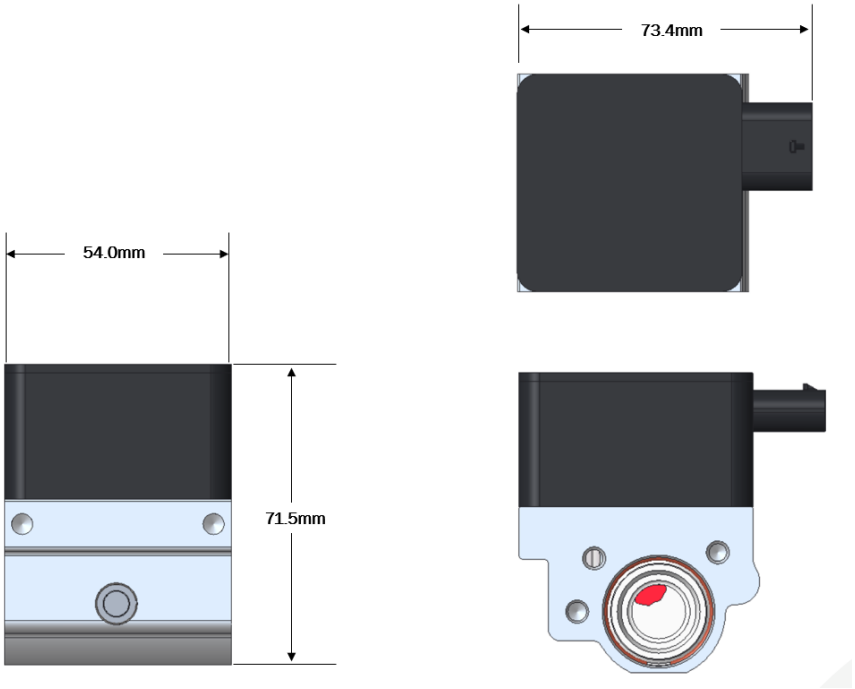
Packaging Size

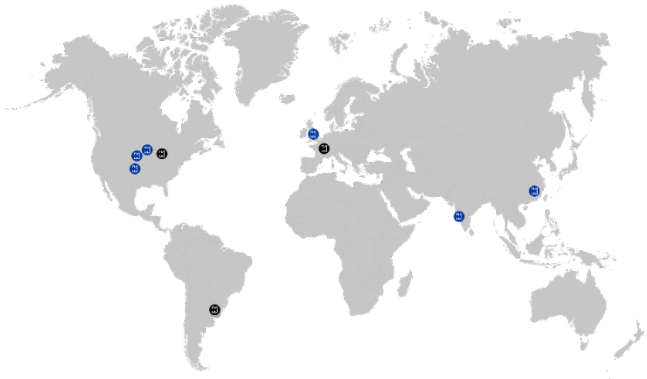
with controller and sensor



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.



Primary manufacturing location USMCA

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