



# EXV

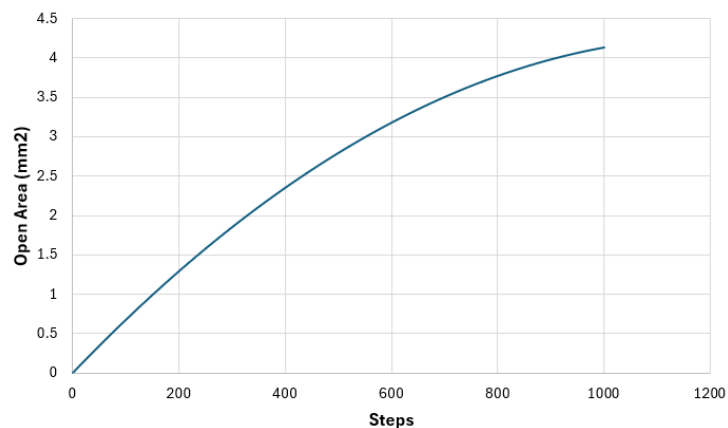
## Proportional Expansion Valve

A proportional EXV with stepper motor drive designed for 2Ton and 4.5Ton (R1234yf) refrigerant systems. Standard option with on-board controller included. Available in cartridge or integrated manifold packages. Also compatible with R134a and R290. Bidirectional flow option available.

### \*Technical Data:

Refrigerant Compatibility	R134a, R1234yf, R290
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
Resting position	Optional, delivered as desired.
Power loss state	Maintain last powered position (No back-drive drivetrain)
Characteristic flow curve	2-Ton, 4.5-Ton available, see chart below
Leakage	<1ml/min
Open Area Characteristic Curve	See Chart (4.5T shown)
Max. operating pressure differential (closed)	3.0 MPa Max operating DP
Resolution	Min. 1/864 of the control range
Area per step (4.5T )	0.0047mm <sup>2</sup> /step
Control Precision / Hysteresis	1% Hysteresis
Operating Voltage	9.5-16 VDC
Addressing, connector / pin	4-pin Configuration: 1 - GND 2 - LIN-IN 3 - LIN-OUT 4 - 12V / PWR

Open Area vs. Steps



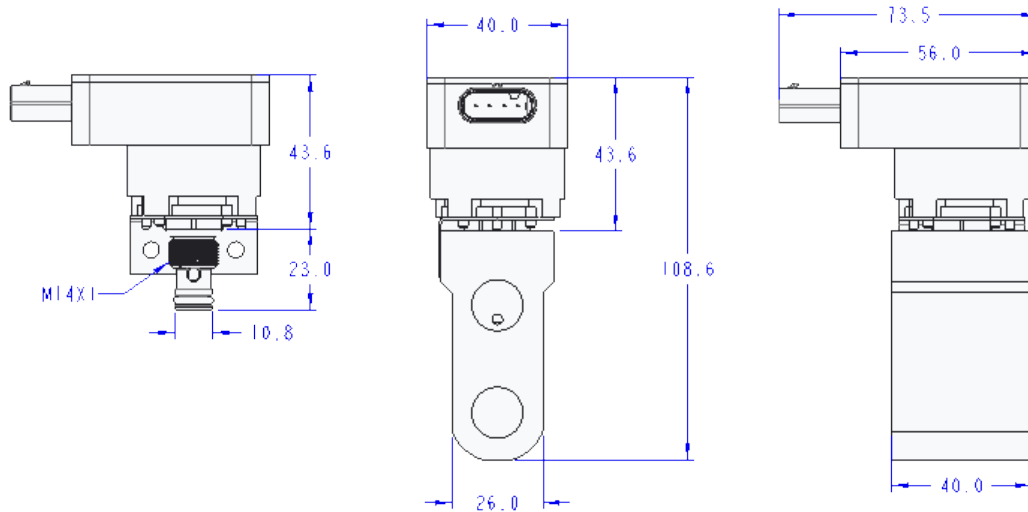
Husco's Automotive team specializes in collaborative development of customized performance solutions. Contact the engineering team for your custom solution.

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# Packaging Size

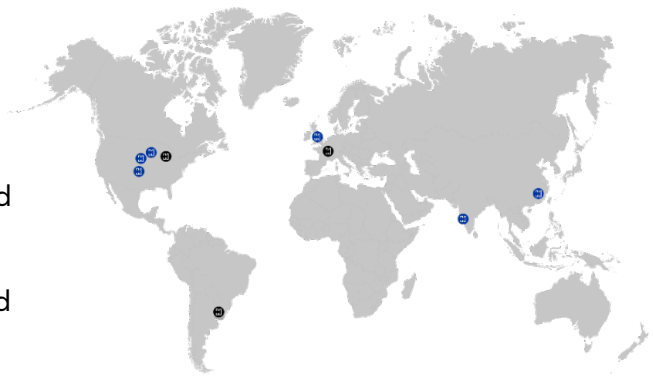
With and without manifold comparison



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Primary manufacturing location USMCA



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

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