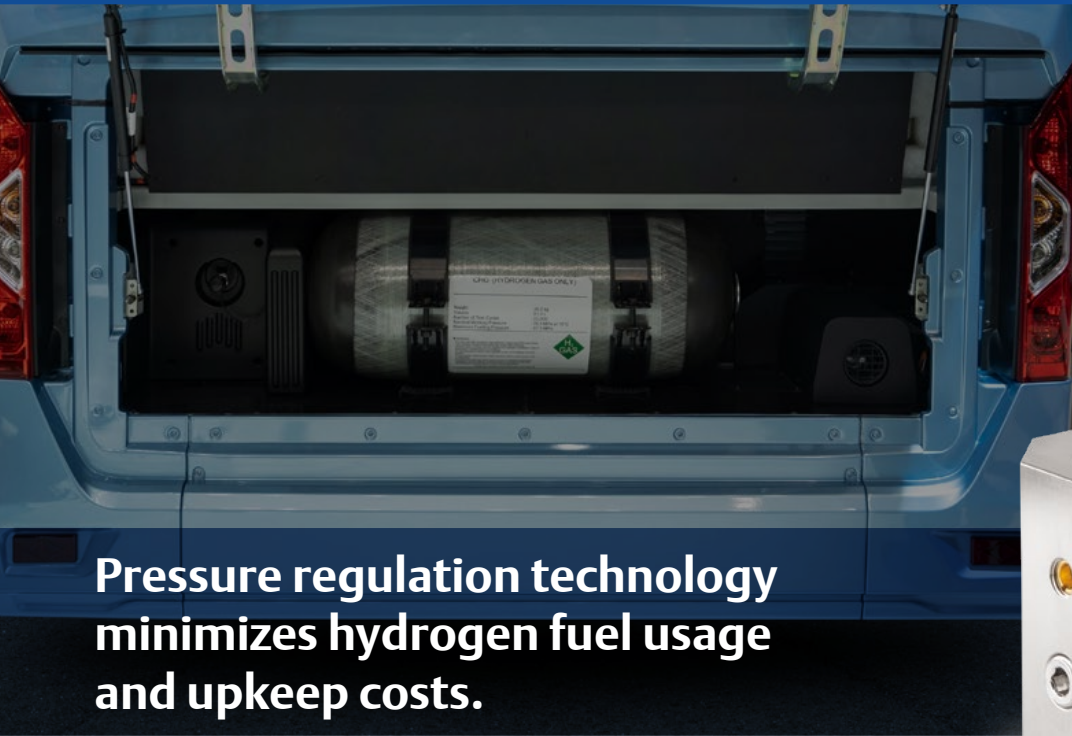


Meet Fluctuating Fuel and Pressure Demands Safely



Pressure regulation technology minimizes hydrogen fuel usage and upkeep costs.



Keeping Fleets on the Road for Longer Distances

- **Reliable fuel supply.** The TESCOM HV-3500 EC79 Compliant Series features a dual-stage and active seal design that provides consistent pressure and continuous hydrogen fuel supply to fuel cells.
- **Minimal assembly time.** The lightweight, easy-to-install design reduces assembly time and costs—especially compared to other pressure regulation technologies.
- **Low maintenance.** The series is a reliable, low-maintenance solution that allows bus and truck manufacturers to keep their fleet on the road for longer distances.

TESCOM™


EMERSON™

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Stable Pressure Improves Fuel Cell Efficiency.

The TESCOM™ HV-3500 EC79 Compliant Series enables hydrogen fuel cell and vehicle manufacturers to meet fluctuating fuel and pressure demands with accuracy and safety—regardless of distances driven. Its dual-stage and active seal design provides consistent pressure and continuous hydrogen fuel supply to fuel cells, decreasing the downstream overpressurization risk. At the same time, it unlocks greater energy efficiency, minimizing fleet fuel usage and upkeep costs.

High Energy Efficiency, Low Costs

- Dual-stage and active seal design that provides consistent pressure and continuous hydrogen fuel supply to fuel cells, decreasing downstream overpressurization risk
- Superior shutoff performance
- Corrosion resistant, nickel-plated aluminum body
- One design suitable for the full range of vehicle operating conditions and various system pressure settings
- Compact and lightweight configuration
- Specially designed shape and standard mounting holes for ease of installation
- Local manufacturing and support allows customers to get their vehicles on the road quickly with reliable operations throughout the vehicle's lifecycle

TESCOM™ HV-3500 Series Hydrogen Onboard Regulator

Nominal Inlet Service Pressure	5,076 psi / 35.0 MPa / 350 bar
Maximum Inlet Pressure	6,345 psi / 43.8 MPa / 438 bar
Minimum Inlet Pressure	290 psi / 2.0 MPa / 20.0 bar
Design Proof Pressure	150% of nominal inlet service pressure
Leakage	Bubble-tight
Operating Temperature	-40° to +185°F (-40° to +85°C)
Flow Capacity	Cv 0.17
Decaying Inlet Characteristic	0.05 psi / 3.4 mbar per 100 psi / 6.9 bar change in inlet pressure
Filter	10 µm
Weight	3.5 pounds (1.6 kg)



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TESCOM™ For full specifications, see the HV-3500 catalog sheet:
www.Emerson.com/TESCOM

