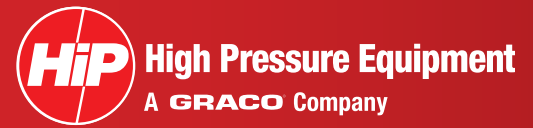


HYDROGEN REGULATORS

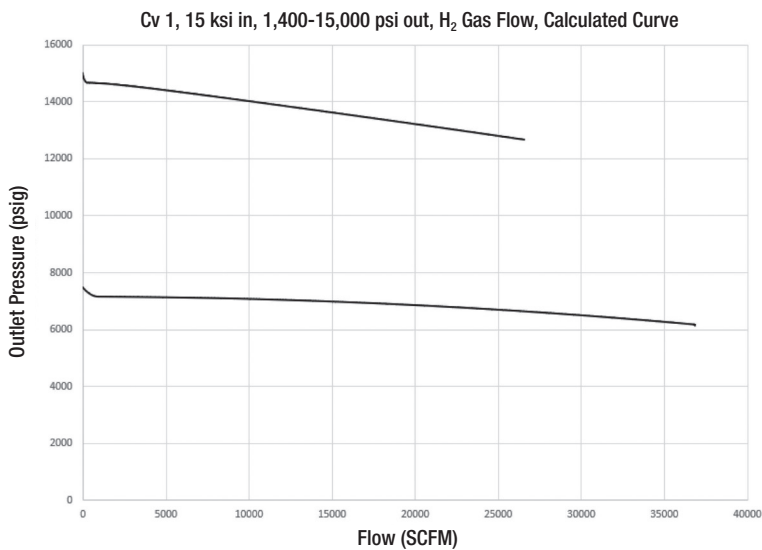
High Pressure, High Flow Pressure Reduction for H₂

HiP hydrogen regulators are designed to meet the high pressure, high flow performance requirements for stable system dispense at elevated flow rates. Each hydrogen pressure regulator is rated for inlet pressures up to 15,000 psig (1,034.2 bar) and is available to meet flow requirements of Cv 1.0 or 0.5.



FEATURES AND BENEFITS

- Offers precise control over the hydrogen gas pressure, minimizing fluctuations and providing stable output pressure.
- Materially compatible with hydrogen gas to ensure performance, durability and longevity.
- Equipped with standard threading options for easy integration into various hydrogen gas systems and setups.



TYPICAL APPLICATIONS

- ▶ Hydrogen Refueling Stations
- ▶ Hydrogen Storage Systems
- ▶ Hydrogen Purification
- ▶ Laboratory and Testing



SPECIFICATIONS	Max Inlet Pressure	15,000 psig (1,034.2 bar)
	Max Outlet Pressure	15,000 psig (1,034.2 bar)
	Flow (Cv)	18 GPD (68 LPD)
	Operating Temperature	-40°F to 200°F (-40°C to 93°C)
	Materials of Construction	
	Body	316 Stainless Steel
	Main Valve	316 Stainless Steel
	Housing, Air Loader	6061-T6 Aluminum
	Wetted Parts, Other	316 Stainless Steel
	O-Ring	Polyurethane
Porting		
Inlet/Outlet Porting Options	3/8 in Medium Pressure/ 9/16 in Medium Pressure	
Vent Port	1/4 in inlet/outlet port type	
Gauge Port	1/4 in FNPT	
Load Port	1/4 in NPT	

HYDROGEN REGULATORS

PART NUMBER	DESCRIPTION
HIP-15PR	1.0 Cv Regulator
HIP-15PR-0.5	0.5 Cv Regulator



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