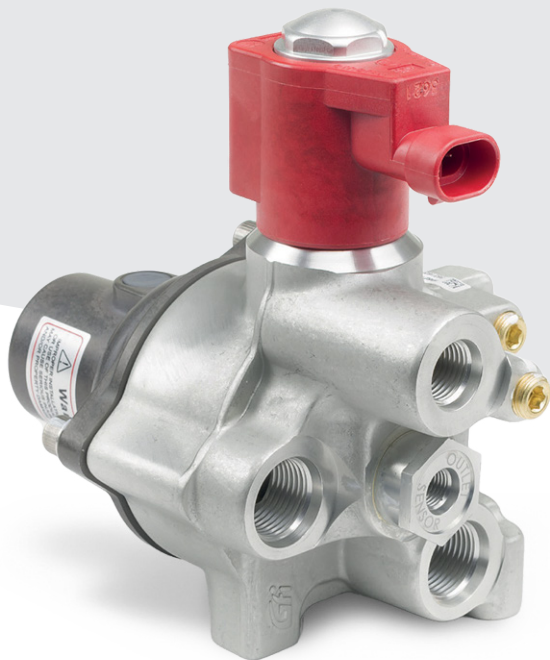




35 MPa

Hydrogen Pressure Regulator

H-P35 Series



Designed for hydrogen applications up to 35 MPa (5,000 psi), the H-P35 Series Regulator delivers stable outlet pressures under varying fuel cell flow demands and inlet pressures.

This high-performance regulator benefits from over 25 years of development in CNG systems, offering a reliable and cost-effective solution for OEM integration.

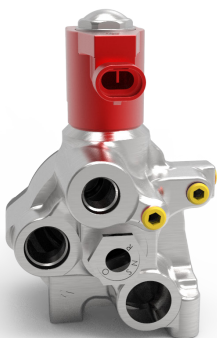


DESIGN

- Balanced regulator architecture for stable outlet pressure across all tank pressures
- Heavy-duty construction validated to over 1.8 million cycles

PERFORMANCE & OPTIONS

- Multiple factory-set outlet-pressure configurations available
- Optional integrated high-pressure lock-off valve
- Optional integrated high-pressure sensor
- Integrated high-flow pressure relief valve (PRV)



SPECIFICATIONS

GENERAL INFORMATION

APPLICATION	Hydrogen high pressure regulator
DESIGN	Balanced single stage, pintle and diaphragm type
BODY MATERIAL	Forged Aluminum
FUEL TYPE	Hydrogen

PERFORMANCE

MAX WORKING PRESSURE		35 MPa (5,000 psi)	
REGULATED FLOW RATE		Up to 9 g/s Hydrogen	
WORKING TEMPERATURE		-40 °C to +85 °C	
OUTLET PRESSURE		Factory adjustable: 200 to 1,600 kPa (29 to 232 psig)	
FILTER (REPLACEABLE)		40 µm, 99% efficiency	
PRESSURE SENS		Customer Defined	
SOLENOID	VOLTAGE	12 V	24 V
	CURRENT DRAW	1.14 A	0.54 A
	CONTROL	Saturated	

CONNECTIONS

INLET THREAD TYPE	9/16" - 18 UNF
OUTLET THREAD TYPE	3/4" - 16 UNF
PRV INTERFACE	9/16-18 UNF-2B; others available
ELECTRICAL CONNECTOR (SOLENOID)	Mating connector: AMP Superseal 1.5, 2 pin; 282080-1

