



35 MPa

Pressure Relief Devices

H-PRD4 Series



Designed for 350 bar (35 MPa) hydrogen systems, the H-PRD4 Series offers high-flow pressure relief devices (PRDs) in both end plug and remote-activated formats. Suitable for longer tank setups, it supports M25, 1-1/8", 1-1/2", 2", and remote thread geometries, with optional temperature sensors.

All models share a common activation design and are typically paired with GFI tank valves for full bonfire test coverage and thermal event protection.

DESIGN

- Threads: M25, 1-1/8", 1-1/2", 2", and remote
- Remote PRDs: inlet, vent, and outlet ports
- Final PRD: inlet and vent only

PERFORMANCE & OPTIONS

- Nominal working pressure of 350 bar (35 MPa)
- Activation: 110 °C ± 5 °C
- Temp range: -40 °C to +85 °C
- High flow, fast-acting
- Cadmium-free eutectic design
- Lightweight aluminum
- Optional temperature sensor with connector
- Certified to HPRD1, EC79, GB/T 35544 (by model)



SPECIFICATIONS

GENERAL INFORMATION

APPLICATION	Suitable for all hydrogen cylinders Type 1 / Type 2 / Type 3 / Type 4
DESIGN	Thermally activated PRD
BODY MATERIAL	Aluminum, anodized
FUEL TYPE	Hydrogen per SAE J2719 and ISO 14687

PERFORMANCE

NOMINAL WORKING PRESSURE	35 MPaG
MAX WORKING PRESSURE	43.8 MPaG
OPERATING TEMPERATURE	-40 °C to +85 °C
T-PRD ACTIVATION	110 ± 5°C
T-PRD ORIFICE	Up to 5.7 mm equivalent diameter

ELECTRICAL CONNECTIONS (FOR TEMPERATURE SENSOR OPTION)

ELECTRICAL CONNECTOR	Mating Connector: Aptiv part number 12052644
THERMISTOR R25C	2,700 ohms ± 2%
THERMISTOR TYPE	NTC

CONNECTIONS / CERTIFICATIONS

CONFIGURATIONS	M25, 1-1/8", 1-1/8" with temperature sensor, 2", remote in-line and end-line (9/16-18 UNF-2B ports)
TPRD VENT PORT TYPE	9/16-18 UNF-2B, Indexible options
CERTIFICATIONS	Certified to HPRD1, EC79, GB/T 35544 (by model)

