

H2 Flow Control Valve - High Pressure



Applications

- Fuel cell
- Electrolyzer
- H2 ICE

Features

- Proportional valve
- Linear flow characteristic
- Integrated shut-off valve
- Customized interface
- Different connectors are available
e.g. Deutsch, DIN, etc.
- Suitable also for DI & PFI applications

The above specifications apply to the standard versions. Other versions are available on request.

Detailed information requested?

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Technical data

H2 Flow Control Valve (H2FCV)

Nominal diameter	2.9 mm
Voltage range	22 to 32 V
Control current range	0.6 to 1.2 A
Inlet pressure	up to 45 bar
Burst pressure	110 bar
H2 flow	35 kg/h @ $\Delta p = 15$ bar
Temperature range	-40 to 125 °C
Actuation	PWM (current control)
Protection class	IP6K9K
Response time	ca. 25 ms
Hysteresis (10...90% @ 350 Hz)	< 15 % FS
Linearity (10...90% @ 350 Hz)	< 10 % FS
H2 leakage	5E-4 mbar l/s