Pressure Control for Space

Accurate pressure control is essential to the safe and reliable operation of space and aerospace systems.

From delivering gases at the required pressure to maintaining consistent conditions during testing, a pressure regulator helps protect sensitive components and assess performance throughout development, testing and operation.

Discover Our Experience in Space Applications...

GROUND TESTING & SUPPORT SYSTEMS



Including test rigs, flow-calibration facilities, tank pressurisation and purge-gas systems.

01

COMPONENT DEVELOPMENT & ENDURANCE TESTING



Performance, cycle and endurance testing, including low-flow and high-pressure requirements.

02

LAUNCH-VEHICLE DEVELOPMENT



Meeting application-specific requirements for size, weight, pressure, flow and stable control.

03

01 02



MF301

- Balanced main valve
- Cv 1.0 or 2.0
- Inlet: Up to 300 bar

01 02



MF401

- Balanced main valve
- Cv 2.0
- Inlet: Up to 400 bar

01 02



HF301

- Balanced main valve
- Cv 4.0
- Inlet: Up to 300 bar

01 02



HF600

- Balanced main valve
- Cv 7.0
- Inlet: Up to 600 bar

03



LW351

- Balanced main valve
- Cv 0.06
- Inlet: Up to 350 bar

Contact HPS, our local partner in Germany, for expert guidance on the right pressure regulator solution for your space application.

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