

Introducing the EPVX2: High-Precision Pressure Control for Demanding Industrial Applications

In high-stakes industries where precision, safety, and responsiveness are non-negotiable, traditional pneumatic control systems often fall short. The **EPVX2 High Pressure Proportional Valve** is engineered to change that.

Precision You Can Trust

With a **control range from 0.01 to 3.0 MPa** and **linearity and repeatability within $\pm 1\%$ FS**, the EPVX2 delivers exceptional pressure regulation across a wide range of industrial gases including **air, nitrogen, oxygen, and argon**. Whether you're calibrating delicate instruments or managing high-throughput automation lines, this valve ensures accurate and repeatable results.

Intelligent Control and Versatility

Designed to integrate seamlessly into your control systems, the EPVX2 supports multiple **input signals**:

- Analog: 0–5V, 0–10V, 4–20mA, 0–20mA
- Output feedback: 1–5V or 4–20mA
- Digital I/O: NPN/PNP switch signals

This versatility allows the EPVX2 to adapt to legacy systems or cutting-edge PLCs with ease, making it ideal for retrofitting as well as new installations.

Flexible Configuration, Fast Integration

Available in **multiple port sizes (3/8")**, bracket options (L and B-type), and cable orientations (straight or right-angle 3m cables), the EPVX2 is built for practical installation in space-constrained or harsh environments. A user-friendly interface with programmable setpoints (F-1/F-2 and P-1/P-2) allows quick setup with **built-in safeguards against accidental misconfiguration**.

Safety and Stability at the Core

When handling oxygen and other critical gases, **safety is paramount**. The EPVX2 is manufactured with:

- Built-in decompression and venting design
- Noise-reducing grounding and shielding
- Fail-safe behaviour in case of power or pressure loss
- Clear warnings and precautions for oxygen use

Its robust structure and built-in protection against overvoltage, static discharge, and power failure make it a smart investment for demanding environments.

Industrial Applications

The EPVX2 is ideal for:

- Semiconductor manufacturing
- Medical gas supply systems
- Pneumatic testing systems
- Automated welding and plasma cutting
- Environmental simulation chambers

Wherever high-pressure, high-accuracy, and fail-safe performance matter — the EPVX2 is the solution.

Ready to transform your pressure control?

[Contact us today](#) to request a quotation or help integrate the EPVX2 into your next project.

