

Shako PU225 2/2 Way Solenoid Valves

Shako PU225 Brass Solenoid Valves: Versatile and Reliable Solutions for Industrial Applications

Shako has introduced the [PU225 series brass solenoid valves](#), designed to offer high reliability and versatility for a wide range of industrial applications. Available in thread sizes from 3/8" to 2", these solenoid valves operate within a working pressure range of 0.5 to 15 Bar (0.5 to 10 Bar differential), making them suitable for gaseous and fluid applications with viscosities up to 50 centistokes.



Advanced Sealing and Temperature Range

The PU225 series features multiple sealing options, including NBR, EPDM, VITON and HNBR, accommodating various industrial environments. The choice of sealing material determines the media temperature range, which extends from -40°C to +180°C, ensuring adaptability for both low and high-temperature applications.

Customisation and Additional Options

Shako offers additional customization options for the PU225 series, including flanged PN16, ANSI150Lb, and JIS10K connections. The valves are available with or without a silver shading ring and can be specially degreased for oxygen use, enhancing their suitability for specialised applications.

Reliable Coil and Voltage Compatibility

Each PU225 valve is equipped with a [Nass Magnet System 13](#) IP65 Class H DN45650A coil and connector as standard. The series supports a broad range of voltage options, including:

- **DC:** 12V, 24V, 48V, 110V, and 220V
- **AC (50/60Hz):** 12V, 24V, 36V, 48V, 110V, 230V, and 380V



ATEX-Certified Models for Hazardous Environments

For industries operating in hazardous environments, [ATEX certified solenoid coils](#) are available for the PU225 series. These models conform to EExmIIT4 Temperature Class T4 T130°C, Ex mb IIC T4, and Gb Ex mb tb IIIC T130°C Db standards. Suitable for hazardous zones 21 and 22, they support a maximum media temperature of +80°C and are readily available from stock.

Configuration Options for Varied Applications

The PU225 solenoid valves are available in multiple configurations, including:

- **2/2 Way Normally Closed**
- **2/2 Way Normally Open**
- **2/2 Way [Latching / Bi-stable](#)** (Available in 6V DC [accepting 3-9V] or 12V DC [9-15V] for energy-efficient systems.)

Certifications and Specialised Applications

The [Shako PU225D](#) (normally closed), [PU225DN](#) (normally open), and [LPU225D](#) series have achieved **WRAS approval (WRAS Approval 2304324)**, ensuring compliance for potable water applications. Designed to prevent water hammer effects, these valves offer a controlled opening and closing time ranging from 0.5 to 3 seconds, depending on port size.

For steam and high-temperature applications, the **Shako PU225S 2/2 Normally Closed Steam Series** operates at pressures ranging from 0.5 to 10 Bar. Its internal piston and PTFE sealing design support hot water, steam, and hot oil applications up to +185°C. These models are available in sizes from 3/8" to 2" thread and support all solenoid voltage options from 12V to 380V.

High-Pressure Series for Demanding Conditions

Shako also offers specialized high-pressure solenoid valves:

- **[PU225H](#):** 0.5 to 25 Bar (Available in 3/8" to 1" thread)
- **[PU225X](#):** 0.5 to 50 Bar (Available in 3/8" to 1" thread)

With a strong commitment to durability and performance, Shako's PU225 solenoid valves are engineered to meet the rigorous demands of diverse industrial applications. These valves provide optimal functionality and reliability, ensuring seamless operation across various challenging environments.