




ASCO RED-HAT 8320B176 1/4" 3-WAY SOLENOID VALVE - NEW


ASCO RED-HAT 8320B176 1/4" 3-Way Solenoid Valve NEW is a precision-engineered fluid control device ideal for reliable automation in industrial and process control systems. Featuring a compact 1/4" port configuration, this valve delivers precise fluid direction control across three ports, facilitating operations such as flow diversion, mixing, and shutoff in pneumatic or hydraulic systems. The rugged RED-HAT design ensures compatibility with harsh environments, offering dependable performance in OEM machinery, packaging lines, and industrial automation setups.

Crafted by ASCO to rigorous quality standards, the 8320B176 valve features a solenoid actuator that provides rapid response times and low power consumption—ensuring efficient operation while minimizing electrical load. Its internal construction includes robust seals and corrosion-resistant components rated for a wide range of media, from air and inert gases to light hydraulic fluids. The NEW designation confirms that each unit is manufactured to the latest ASCO specifications, offering full traceability, certification, and compatibility with modern control architectures.

Installation is simplified thanks to its compact body, standardized NPT or BSPP threaded connections, and integrated DIN 43650 electrical interface. With a flexible coil mounting design, the valve can be installed in multiple orientations to suit tight control cabinet layouts or field instrumentation panels. Performance testing ensures that the 8320B176 meets precise flow rate, leak-tightness, and response specifications, delivering high cycle durability and consistent pulse and actuation reliability—critical for systems requiring rapid switching or high duty cycles.

In operation, the ASCO RED-HAT 8320B176 1/4" 3-Way Solenoid Valve excels in applications involving pilot control circuits, gas distribution systems, vacuum generation, and machine tool actuation. Its efficient design minimizes pressure drop while maintaining accurate control of media flow, contributing to system energy savings and shorter cycle times. Overall, this valve combines compact size, rugged design, and high-performance actuation, making it a trusted component for engineers and system integrators seeking reliable and efficient fluid control solutions.

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