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EMERSON ASCO SOLENOID VALVE SERIES 210 VACUUM

Pilot Operated, Hung Diaphragm for Vacuum Service

E210C433-013
SCE210C433VH.230/50…2/2 N.O., Rp 3/8", 1 bar absolute, 2.6, FPM, 230V/50Hz, IP65,



- 2/2 Normally Closed or Open Rp 3/8", Rp 1/2", Rp 3/4"
- NBR or FPM
- Suitable for Medium and High Vacuum Service
- Air and Inert Gases compatible with the seal materials used
- IP65

PRODUCT DESCRIPTION

The Emerson ASCO 210 Vacuum Series Solenoid Valve is a high-performance pilot operated valve engineered specifically for efficient and reliable control of air and inert gases in vacuum service applications. This vacuum solenoid valve is designed to meet the stringent requirements of industrial automation, OEM equipment, and precision vacuum systems, offering excellent durability and stable long-term performance.
The ASCO 210 Vacuum Series utilises a pilot operated solenoid mechanism, allowing the valve to achieve higher flow rates and improved efficiency in applications where differential pressure is present. Its internal design ensures tight sealing and minimal leakage, delivering dependable operation even in challenging vacuum environments. Available in multiple body materials, port sizes, and coil voltages, the valve can be configured to meet a wide range of system specifications and installation needs.
Key advantages of the Emerson ASCO 210 pilot operated vacuum solenoid valve include high cycle life, robust construction, and compatibility with clean and dry vacuum media. The valve's optimised flow path supports consistent operation, reduced maintenance requirements, and reliable switching performance in continuous-duty or intermittent-duty applications. Its compact, versatile design allows seamless integration into automated machinery, modular vacuum assemblies, and industrial control panels.
Typical applications for the ASCO 210 Vacuum Series include vacuum packaging equipment, leak detection systems, analytical and laboratory instruments, semiconductor manufacturing processes, industrial automation platforms, and general-purpose vacuum control systems.
The Emerson ASCO 210 Vacuum Series Solenoid Valve offers a technically advanced, dependable, and versatile vacuum control component—delivering the performance, quality, and engineering excellence expected from the Emerson ASCO brand.

TECHNICAL DATA

GENERAL DATA

Function	2/2, Normally Closed
Connection	Rp 3/8"
Electrical connection	Spade Plug (6-10mm cable) ISO 4400, Form A
Operating Pressure Differential	1 bar absolute
Flow factor / flow coefficient	2.6 Kv
Coil type	Type 01
Voltage / Frequency	230V / 50 Hz
IP class	IP65

MATERIAL DATA

Material body	Brass
Material seat	Brass
Material of core tube	Stainless steel
Encapsulation material	Moulded IP65 (EN60529)

TEMPERATURE DATA

Temperature ambient from	-20 °C
Temperature ambient to	75 °C
Temperature of media from	0 °C
Temperature of media to	90 °C

ADDITIONAL DATA

Power consumption	Inrush: 55VA, Holding 23VA, 10.5W
Response time	120 ms
Continuous duty	ED 100%
Insulation class	F
Weight	0.9 kg