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EMERSON ASCO SOLENOID VALVE SERIES 210 HUNG DIAPHRAGM STAINLESS STEEL

Pilot Operated, Hung Diaphragm

E210B430-001
SCE210B430.230/50…2/2 N.O., Rp 1/2", 0-16 bar, 2.6, NBR, 230V/50Hz, IP65,



- 2/2 Normally Closed or Open Rp 1/2", Rp 3/4", Rp 1"
- NBR, FPM, EPDM
- Suitable for Air, Inert Gas , Water, Oil and Other Gases
- Operating Pressure Differential: Up to 16 Bar
- IP65

PRODUCT DESCRIPTION

The Emerson ASCO 210 Series stainless steel hung diaphragm pilot operated solenoid valve is a premium-grade, 2-way solenoid valve designed for reliable on/off control of aggressive, corrosive, and high-purity fluids in demanding industrial environments. Manufactured by Emerson ASCO, a global leader in fluid automation, the 210 Series in stainless steel delivers exceptional durability, chemical resistance, and long-term operational stability for critical process applications.
This hung diaphragm solenoid valve utilises a pilot-operated operating principle to achieve high flow rates with minimal power consumption. The suspended (hung) diaphragm design ensures superior sealing, reduced mechanical stress, and smooth actuation across a wide pressure range. The precision-machined stainless steel body provides outstanding resistance to corrosion, making this solenoid valve suitable for harsh media, washdown environments, and hygienic processes. The valve is available in normally closed and normally open configurations with multiple orifice sizes and threaded or flanged connections depending on model selection.

Key Advantages

- Corrosion-resistant stainless steel construction for aggressive and hygienic media
- High flow capacity with pilot operated solenoid valve design
- Reliable hung diaphragm sealing system for long service life
- Low power consumption with consistent switching performance
- Wide pressure and temperature capability
- Backed by the proven quality and global support of Emerson ASCO

Typical Applications

The Emerson ASCO 210 stainless steel solenoid valve is widely used in industries requiring high cleanliness, chemical resistance, and reliability, including:

- Chemical processing and refineries
- Food and beverage production
- Pharmaceutical and biotechnology manufacturing
- Water treatment and desalination plants
- Steam, hot water, and aggressive fluid control
- Instrumentation and process automation systems

TECHNICAL DATA

GENERAL DATA

Function	2/2, Normally open
Connection	Rp 1/2"

Electrical connection	Spade Plug (6-10mm cable) ISO 4400, Form A
Operating Pressure Differential	0-16 bar
Flow factor / flow coefficient	2.6 Kv
Voltage / Frequency	230V / 50 Hz
IP class	IP65

MATERIAL DATA

Material body	Stainless steel AISI 304
Material of seals	NBR
Material seat	Stainless steel
Material of core tube	Stainless steel
Material internal parts	Stainless steel
Encapsulation material	Moulded IP65 (EN60529)

ADDITIONAL DATA

Response time	120 ms
Viscosity max	65 cSt
Insulation class	F / H