

**EMERSON ASCO SOLENOID VALVE
SERIES 210 HUNG DIAPHRAGM BRASS**

Pilot Operated, Hung Diaphragm

E210B058SCA2
SCE210B058.24/50...2/2 N.O., Rp 1 1/4", 0-9 bar, 12.8,
NBR, 24/50Hz, IP65,

- 2/2 Normally Closed or Open, Rp 3/8" to Rp 1 1/2"
- 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 hung diaphragm pilot operated solenoid valve in brass is a high-performance, 2-way solenoid valve engineered for reliable control of air, water, inert gases, and light oils in demanding industrial and commercial applications. As part of the globally trusted Emerson ASCO portfolio, the 210 Series is recognised for its robust construction, long service life, and consistent performance in both standard and critical fluid control systems. This hung diaphragm solenoid valve design uses a pilot-operated mechanism to allow high flow capacity with low power consumption. The elastomer diaphragm is suspended (hung) to provide excellent sealing performance, reduced wear, and smooth operation even under fluctuating pressure conditions. The brass body construction offers outstanding resistance to corrosion and is well suited for a wide range of non-aggressive fluids. Depending on the specific model, the Emerson ASCO 210 solenoid valve is available in normally closed or normally open configurations, with multiple orifice sizes and threaded process connections.

Key Advantages

- High flow capability with compact design
- Energy-efficient pilot operated solenoid valve technology
- Durable brass body for long-term reliability
- Excellent sealing performance from the hung diaphragm design
- Wide pressure and temperature range for versatile installation
- Designed and manufactured by Emerson ASCO, a global leader in fluid automation

Typical Applications

The Emerson ASCO 210 hung diaphragm solenoid valve is widely used across industries such as:

- Industrial air and water control systems
- Compressors and pneumatic systems
- Steam and hot water circuits (with appropriate seal selection)
- Irrigation and water treatment equipment
- Process automation and OEM machinery
- Fuel gas and inert gas control

TECHNICAL DATA**GENERAL DATA**

Function	2/2, Normally open
Connection	Rp 1 1/4"

Electrical connection	Spade Plug (6-10mm cable) ISO 4400, Form A
Operating Pressure Differential	0-9 bar
Flow factor / flow coefficient	12.8 Kv
Voltage / Frequency	24V / 50 Hz
IP class	IP65

MATERIAL DATA

Material body	Brass
Material of seals	NBR
Material seat	Brass
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