

SOLENOID VALVES

pilot operated for liquid CO₂ applications 1/8

NC IN

2/2 Series 264

FEATURES

- The valves are designed for the control of liquid CO₂ in applications such as low temperature tumbling barrels, environmental test chambers and other cooling applications where constant low temperature control is essential
- Valves do not require a minimum operating pressure and have a high operating pressure as indicated
- Valve operation is not affected by mounting position
- The solenoid valves satisfy all relevant EU Directives

GENERAL

Differential pressure 0 - 70 bar [1 bar =100 kPa]

Maximum viscosity65 cSt (mm²/s)Response time5 - 25 ms

| fluids (*) | temperature range (TS) | seal materials (*) | | | | |
|--------------------------------|------------------------|--------------------|--|--|--|--|
| CO ₂ , liquid / gas | - 60°C to + 60°C | UR (cast urethane) | | | | |



MATERIALS IN CONTACT WITH FLUID

(*) Ensure that the compatibility of the fluids in contact with the materials is verified

Body Brass (nickel plated)
Core tube Stainless steel
Core and plugnut Stainless steel
Spring Stainless steel
Seat Brass

SeatBrassSealsURDiscURShading coilCopper

ELECTRICAL CHARACTERISTICS

Coil insulation class F

Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A

Electrical safety IEC 335

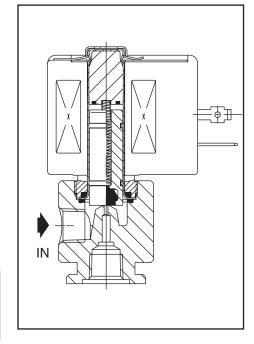
Electrical enclosure protection Moulded IP65 (EN 60529)

Standard voltages DC (=): 24V - 48V

(Other voltages and 60 Hz on request) AC (~): 24V - 48V - 115V - 230V / 50 Hz

| | | power | ratings | | operator | replacer | | |
|--------|----------------|-------|---------|----------|------------------------|-------------|------------|----------|
| prefix | inrush holding | | ling | hot/cold | ambient temperature | Теріасеі | tupe (1) | |
| option | ~ | ~ | | = | range (TS) | ~ | = | type (1) |
| | (VA) | (VA) | (W) | (W) | (C°) | 230 V/50 Hz | 24 V DC | |
| SC | 37,6 | 28 | 13,8 | 9,5/15,3 | -20 to + 50 | 400325-217 | 400325-242 | 01 |





SPECIFICATIONS

| pipe | orifice | | flow coefficient | | operating pred differential (I | | powe | er coil | catalogue number | | | | |
|------|------------|--------------|---------------------|------|--|----------|--------------|--------------|--------------------------|--|--|--|--|
| size | size | Kv | | min. | max. (PS) CO ₂ liquid / gas (*) | | (W) | | | | | | |
| NPT | (mm) | (m³/h) | (l/min) | | ~ | = | ~ | = | ~/= | | | | |
| NC - | Normall | y close | d | | | | | | | | | | |
| 1/8 | 1,2 2,4 | 0,05 0,17 | 0,83 2,83 | 0 | 70 20 | 70 20 | 13,8 13,8 | 15,3 15,3 | SCB264D009 SCB264D010 | | | | |



OPTIONS

- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE-10
- · Compliance with "UL", "CSA" and other local approvals available on request
- · Other pipe connections are available on request
- Connector with visual indication and peak voltage suppression or with cable length of 2 m (www.asco.com)

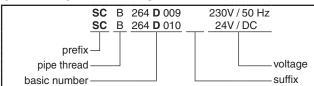
INSTALLATION

- Install tubing with an inside diameter not larger than the valve orifice in the outlet port to locate the refrigeration point down stream of the valve and to prevent freezing of the expanding CO, inside the valve body
- The solenoid valves can be mounted in any position without affecting operation
- Valves are provided with a mounting flange and threaded connection in the outlet of the body
- Pipe connection identifier is B = NPT (ANSI 1.20.3)
- Installation/maintenance instructions are included with each valve

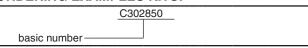
SPARE PARTS KITS

| Γ | catalogue number | spare par | rts kit no. | | |
|---|------------------|-----------|-------------|--|--|
| ١ | catalogue number | ~ | = | | |
| Γ | SCB264D009/D010 | C302850 | C302854 | | |

ORDERING EXAMPLES:



ORDERING EXAMPLES KITS:

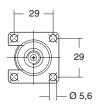


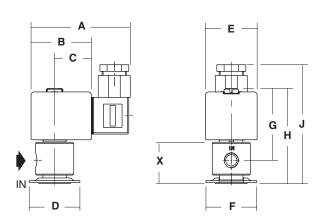
DIMENSIONS (mm), **WEIGHT** (kg) □





TYPE 01 Prefix "SC" Solenoid Epoxy moulded IEC 335 / ISO 4400





| type | prefix option | Α | В | С | D | E | F | G | Н | J | х | weight (1) |
|------|---------------|----|----|----|----|----|----|----|----|----|----|------------|
| 01 | SC | 75 | 45 | 27 | 38 | 39 | 38 | 55 | 71 | 88 | 31 | 0,4 |

⁽¹⁾ including coil and connector.