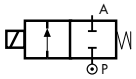
# 2/2 way direct acting solenoid valve, G 1/8"

**Common features**
Media[1]: water, oil, air
Media temperature: -10 to +130 °C
Ambient temperature: -10 to +50 °C
Body material: brass (CW719R EN 12165) low lead content
Orifice material: stainless steel (1.4305 EN 10088/AISI 303)
Operator material: stainless steel
Seal material: foodgrade FKM
Protection class: IP 65 (with connector and gasket)

**Options**
EPDM seal, temperature max. 120 °C (e.g. code RB297DEC)
NPT connection on request, minimum batch may be required (e.g. code RB297DVCN)

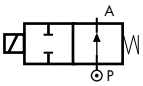
**Notes**
[1] Valve suitable for contact with food media as per the EEC Directives and Regulations. For more specific information, please contact M&M Instruments Sales Department.

**TYPE: B297**




**Normally Closed**

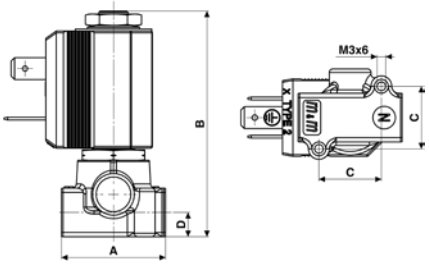
**TYPE: RB297**




**Normally Open**



| Dimensions & weights | | B297 | RB297 |
|---|---|---|---|
| G connection | [ISO 228] | 1/8" | 1/8" |
| A | [mm] | 30 | 30 |
| B | [mm] | 65 | 67.5 |
| C | [mm] | 18 | 18 |
| D | [mm] | 7 | 7 |
| weight | [kg] | 0.15 | 0.15 |




## Automation

Flow direction overseat 1 → 2

| Valve | Nominal Ø | Flow rate Kvs | OPD min. | OPD max. AC | OPD max. DC | Coils | |
|---|---|---|---|---|---|---|---|
| code | [mm] | [l/min] | [barg] | [barg] | [barg] | code | [Volts/Hz] |
| B297DVA | 1.0 | 0.5 | 0 | 30 | 28 | 2250 | 24 VDC |
| B297DVB | 1.2 | 0.7 | 0 | 25 | 22 | 2200 | 24 V 50/60 Hz |
| B297DVC | 1.5 | 1.0 | 0 | 22 | 18 | 2400 | 110 V 50 Hz - 120 V 60 Hz |
| B297DVE | 2.0 | 1.7 | 0 | 18 | 9 | 2600 | 200 V 50 Hz - 220 V 60 Hz |
| B297DVG | 2.5 | 2.3 | 0 | 13 | 3 | 2700 | 230 V 50 Hz - 240 V 60 Hz |
| B297DVH | 3.0 | 3.0 | 0 | 8 | 1 | | |
| | | | | | | | |

**B297 - FKM seal, NC -**

Coil power: AC 10 VA (holding)
AC 16 VA (inrush)
DC 7 W

**Options**
Manual override (e.g. code B297DVCM)
Electroless nickel plating treatment (e.g. code B297DVEK)

## Automation

| Valve | Nominal Ø | Flow rate Kvs | OPD min. | OPD max. AC | OPD max. DC | Coils | |
|---|---|---|---|---|---|---|---|
| code | [mm] | [l/min] | [barg] | [barg] | [barg] | code | [Volts/Hz] |
| RB297DVA | 1.0 | 0.5 | 0 | 25 | 25 | 2250[1] | 24 VDC |
| RB297DVB | 1.2 | 0.7 | 0 | 20 | 20 | 2200 | 24 V 50/60 Hz |
| RB297DVC | 1.5 | 1.0 | 0 | 15 | 15 | 2400 | 110 V 50 Hz - 120 V 60 Hz |
| RB297DVE | 2.0 | 1.7 | 0 | 10 | 10 | 2600 | 200 V 50 Hz - 220 V 60 Hz |
| RB297DVG | 2.5 | 2.3 | 0 | 5 | 5 | 2700 | 230 V 50 Hz - 240 V 60 Hz |
| RB297DVH | 3.0 | 3.0 | 0 | 4.5 | 4.5 | | |
| | | | | | | | |

**RB297 - FKM seal, NO -**

Coil power: AC 10 VA (holding)
AC 16 VA (inrush)
DC 7 W

[1] For continuous service in DC we recommend the use of M&M coils 10 Watt, class H (see options on page 41)