

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

Common features

Media¹: 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 Rotork Sales Department.

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

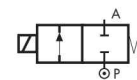
Valve code	Nominal Ø [mm]	Flow rate Kvs [l/min]	OPD			Coils	
			min. [barg]	max. AC [barg]	max. DC [barg]	code	[Volts/Hz]
B297DVA	1.0	0.5	0	30	28	2250	24 VDC
B297DVB	1.2	0.7	0	25	22	2200	24 V 50/60 Hz
B297DVC	1.5	1.0	0	22	18	2400	110 V 50 Hz - 120 V 60 Hz
B297DVE	2.0	1.7	0	18	9	2600	200 V 50 Hz - 220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

Automation

Valve code	Nominal Ø [mm]	Flow rate Kvs [l/min]	OPD			Coils	
			min. [barg]	max. AC [barg]	max. DC [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		

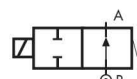
¹ For continuous service in DC we recommend the use of M&M coils 10 Watt, class H (see options on page 41)

TYPE: B297

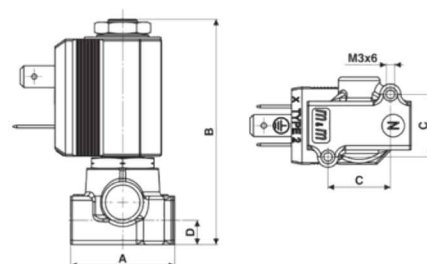


Normally Closed

TYPE: RB297



Normally Open



Flow direction overseat 1 → 2

B297 - FKM seal, NC -

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

Options

Manual override (e.g. code B297DVCN)
 Electroless nickel plating treatment (e.g. code B297DVEK)

RB297 - FKM seal, NO -

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