

## 2/2 way direct acting solenoid valve, G 1/8" – G 1/4"

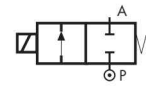
### Common features

Body material: stainless steel (1.4305 EN 10088/AISI 303)  
Orifice material: stainless steel (1.4305 EN 10088/AISI 303)  
Operator material: stainless steel  
Protection class: IP 65 (with connector and gasket)

### Options

Available with body thread connection 1/8" (e.g. code D298DVC), performance ratings remain the same as D299DVC.  
Silver shading ring (e.g. code D299DVC\_A)  
NPT connection on request, minimum batch may be required (e.g. code D299DVC\_N)

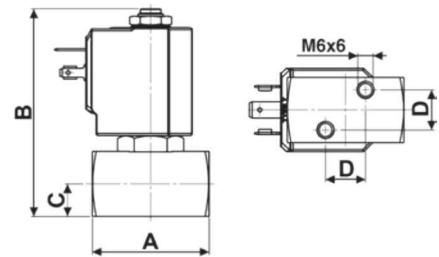
### TYPE: D298/299



Normally Closed



Dimensions & weights		D298	D299
G connection	[ISO 228]	1/8"	1/4"
A	[mm]	45	45
B	[mm]	80	80
C	[mm]	12.5	12.5
D	[mm]	15.4	15.4
weight	[kg]	0.36	0.36



Flow direction overseat 1 → 2

### General purpose

Valve code	Nominal Ø [mm]	Flow rate Kvs [l/min]	OPD			Coils	
			min. [barg]	max. AC [barg]	max. DC [barg]	code	[Volts/Hz]
D299DVC	1.5	1.2	0	24	24	7250	24 VDC
D299DVG	2.5	3.3	0	18	18	7200	24 V 50/60 Hz
D299DVH	3.0	4.5	0	15	10	7400	110 V 50 Hz - 120 V 60 Hz
D299DVL	4.0	6.0	0	10	5.5	7600	200 V 50 Hz - 220 V 60 Hz
D299DVN	5.0	7.5	0	5	2.5	7700	230 V 50 Hz - 240 V 60 Hz

### D298/299 - FKM seal, NC -

Media: water, oil, air and aggressive fluids  
Media temperature: -10 to +130 °C  
Ambient temperature: -10 to +50 °C  
Seal material: foodgrade FKM  
Coil power: AC 18 VA (holding)  
AC 36 VA (inrush)  
DC 14 W

### Options

EPDM seal, temperature max. 120 °C  
(e.g. code D298DEH)

### Chemical industry

Valve code	Nominal Ø [mm]	Flow rate Kvs [l/min]	OPD			Coils	
			min. [barg]	max. AC [barg]	max. DC [barg]	code	[Volts/Hz]
D299DKE	2.0	2.3	0	20	20	7250	24 VDC
D299DKG	2.5	3.3	0	18	16	7200	24 V 50/60 Hz
D299DKH	3.0	4.5	0	15	8	7400	110 V 50 Hz - 120 V 60 Hz
						7600	200 V 50 Hz - 220 V 60 Hz
						7700	230 V 50 Hz - 240 V 60 Hz

### D298/299 - KALREZ® seal, NC -

Media: chemicals  
Media temperature: -10 to +130 °C  
Ambient temperature: -10 to +50 °C  
Seal material: Kalrez® Spectrum™ 6375  
Coil power: AC 18 VA (holding)  
AC 36 VA (inrush)  
DC 14 W

### Options

Protective treatment (e.g. code D299DKEE)

### High pressure

Valve code	Nominal Ø [mm]	Flow rate Kvs [l/min]	OPD			Coils high power - class 'H' only	
			min. [barg]	max. AC [barg]	max. DC [barg]	code	[Volts/ Hz]
D299DRB1	1.2	0.7	0	200	110	7221	24 VDC
D299DRC1	1.5	1.2	0	200	80	72K1	24 V 50/60 Hz
D299DRE1	2.0	2.3	0	140	30	74K1	110 V 50 Hz - 120 V 60 Hz
D299DRG1	2.5	3.3	0	90	23	77K1	230 V 50 Hz - 240 V 60 Hz
D299DRH1	3.0	4.5	0	50	14		

### D298/299 - RUBY seal, NC -

Media<sup>1</sup>: water, oil, air and aggressive fluids  
Media temperature: -10 to +130 °C  
Ambient temperature: -10 to +50 °C  
Seal material: Ruby  
Coil power: AC 25 VA (holding)  
AC 50 VA (inrush)  
DC 22 W

### Notes

Seamless tube as standard  
<sup>1</sup> Not 100% leak-proof when used with air/gases.  
Approximate leak rate is 1,5 ml/min at max. OPD.

**ATTENTION:** When high pressure valves are supplied without a coil, their nameplates display the max. OPD of the valve when equipped with an AC (25 VA) and DC (22 W) coil (as shown in the table above). **When using alternative coil power ratings please ensure to request separately the appropriate nameplate at time of order.**