

2/2 WAY DIRECT ACTING SOLENOID VALVE, G 1/8" - G 1/4"

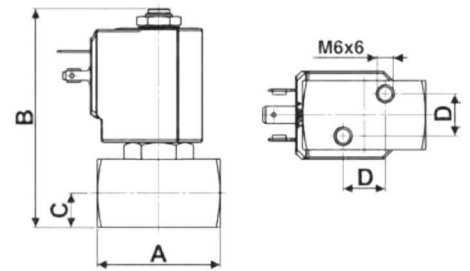
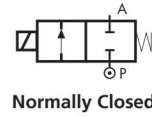
COMMON FEATURES

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 D299DVCA)
NPT connection on request, minimum batch may be required (e.g. code D299DVCN)

TYPE: D298/299



Flow direction overseat 1 → 2

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

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

D298/299 - FKM seal, NC -

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

OPTIONS

EPDM seal, temperature max. 120°C (e.g. code D298DEH)
ATEX version see page 37

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

D298/299 - KALREZ® seal, NC -

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

OPTIONS

Protective treatment (e.g. code D299DKEF)

VALVE	nominal Ø	flow rate Kvs	OPD			COILS
			min.	max. AC	max. DC	
code	[mm]	[l/min]	[barg]	[barg]	[barg]	code [Volts/Hz]
D299DRB1	1.2	0.7	0	200	110	72Z1 24v DC
D299DRC1	1.5	1.2	0	200	80	72K1 24v 50/60Hz
D299DRE1	2.0	2.3	0	140	30	74K1 110v 50Hz - 120v 60Hz
D299DRG1	2.5	3.3	0	90	23	77K1 230v 50Hz - 240v 60Hz
D299DRH1	3.0	4.5	0	50	14	

D298/299 - RUBY seal, NC -

Media^①: water, oil, air and aggressive fluids
Media temperature: -10°C ÷ +130°C
Ambient temperature: -10°C ÷ +50°C
Seal material: Ruby
Coil power: AC 25va (holding)
AC 50va (inrush)
DC 22w

NOTES

Seamless tube as standard

① 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 (25va) and DC (22w) 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.