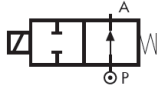


# RD236 Series, General Purpose – 2/2 Normally Open

Specifications	
Function (single acting)	 <p>Flow direction 1 → 2</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Orifice Material	Stainless Steel 1.4305 EN 10088 (AISI 303)
Tube	Stainless Steel AISI 304
Flange	Stainless Steel 1.4305 EN 10088 (AISI 303)
Plunger	Stainless Steel 1.4106 EN 10088 (AISI 430F)
Top Stop	Stainless Steel 1.4105 EN 10088 (AISI 430F)
Springs	Stainless Steel AISI 302
Seal Material (Std)	Foodgrade FKM
Connection Type (Std)	G parallel thread (ISO 228-1)
Shading Ring	Copper
Electrical Characteristics	
Standard Coil Voltage DC (=)	24 V
Standard Coil Voltage AC 50 Hz (-)	24 V, 110 V, 200 V, 230 V
Standard Coil Voltage AC 60 Hz (-)	24 V, 120 V, 220 V, 240 V
Voltage Tolerance	+10% to -15% (AC)
	+10% to -5% (DC)
Duty Cycle	100% ED
Protection Class	IP65 (EN 60529) with plug and gasket correctly fitted *
Electrical Connection	to EN 175301 - 803 - A (ex DIN 43650)
Coil Insulation	Class F 155 °C
Power Rating (Standard)	AC 18 VA (holding) AC 36 VA (inrush) DC 14 W

## Features and Benefits

- Direct Acting
- Robust construction for industrial applications
- Zero pressure rated
- Stainless steel AISI 430F operators with low residual magnetism
- Coils tested 100% in compliance to RoHS directive and to relevant international standards
- Choice of high quality seal materials
- Response time 5 to 25 ms



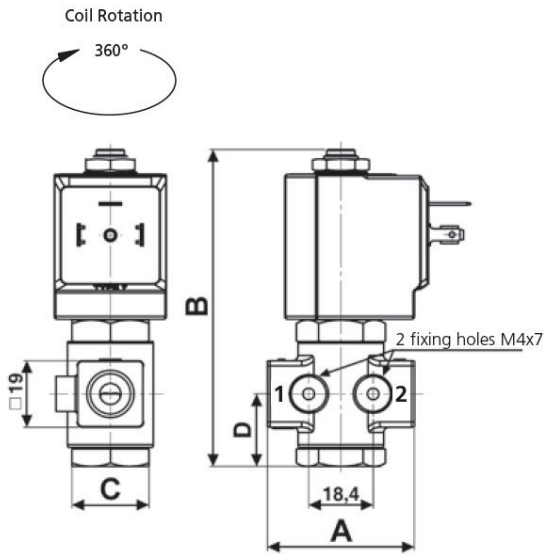
Pipe Size	Cv (gpm)	Kv (m <sup>3</sup> /h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	0.04	0.03	0 - 25	0 - 25	1.0	FKM EPDM	RD236DVA RD236DEA
¼"	0.09	0.08	0 - 20	0 - 20	1.5	FKM EPDM	RD236DVC RD236DEC
¼"	0.14	0.12	0 - 18	0 - 18	2.0	FKM EPDM	RD236DVE RD236DEE
¼"	0.20	0.17	0 - 15	0 - 15	2.5	FKM EPDM	RD236DVG RD236DEG
¼"	0.25	0.21	0 - 12	0 - 12	3.0	FKM EPDM	RD236DVH RD236DEH
¼"	0.39	0.33	0 - 5	0 - 5	4.5	FKM EPDM	RD236DVM RD236DEM
¼"	0.60	0.51	0 - 2	0 - 2	6.0	FKM EPDM	RD236DVP RD236DEP

## Options Available

Seal Material <sup>1</sup> and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
FKM (-10 °C to +130 °C)	Water, oil, air	-10 °C	+50 °C
EPDM (-10 °C to +120 °C)	Water, hot water	-10 °C	+50 °C

<sup>1</sup> See corrosion reference guide and sealing solutions for material compatibility.

## Preferred Valve Mounting Options



Pipe Size	A	B	C	D	Weight (kg)
1/4"	47	91	Hex 22	20.75	0.25

Dimensions (mm)

### Solenoid enclosures

#### 7--0 Type Coil - Insulation class F

- External material: PBT (reinforced fiberglass 30%)
- Electrical connection: DIN EN 175301-803 form A
- Winding insulation: Class H (E180)
- Enclosure classification: Conforms to IP65 (according to EN 60529) with plug and gasket correctly fitted\*



#### Type 600 011- Plug

- Rated Voltage (max.): 250 VAC / 300 VDC
- Nominal Current: 10A (rated) / 16A (max)
- Wire cross-section: 1.5 mm<sup>2</sup> max
- Cable Entry: PG9 (6 to 8mm)
- Enclosure classification: Conforms to IP65 (according to EN 60529) with supplied gasket
- Insulation class: group C- VDE 0110
- Housing colour: black
- UL approved, file No: E205538



\* Plug and gasket not supplied as standard, must be ordered separately.

### Coding chart

#### Main Valve Assembly

Seals					Orifice			Option		Voltage / Frequency - Class F				Plug																	
V	FKM	A	1.0	E	EPDM	C	1.5	E	2.0	G	2.5	H	3.0	M	4.5	P	6.0	w/o option	7250	24 VDC	7200	24 V / 50/60 Hz	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	0A1	c/w plug	w/o plug
RD	2	3	6	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

#### Product coding example:

RD236DVC 7200 0A1  
 1/4" G, auto operation, brass body, FKM seals, 1.5 mm orifice, 24 V / 50 Hz/60 Hz AC, with plug.