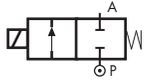


D237/238/239 Series, Automation – 2/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction overseat 1 → 2</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std) ¹	Brass CW617N (EN 12165)
Orifice Material ²	Stainless Steel 1.4305 EN 10088 (AISI 303)
Flange ³	Stainless Steel 1.4305 EN 10088 (AISI 303)
Tube	Stainless Steel AISI 304
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

¹ Body as D264/265/266 (on pages 16 - 17).

² Not for D237D-U, D238D-U and D239D-U.

³ D237D-U, D238D-U and D239D-U carries an additional flange HEX 30 in Brass CW614N (EN 12164) between body and flange tube, see dimensional drawing on the right.

Features and Benefits

- Direct Acting
- Robust construction for industrial applications
- 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 ³ /h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	1.47	1.26	0 - 0.4	0 - 0.2	10.5	FKM	D237D-U
						EPDM	D237D-EU
						NBR	D237D-BU
⅜"	1.76	1.50	0 - 0.4	0 - 0.2	10.5	FKM	D238D-U
						EPDM	D238D-EU
						NBR	D238D-BU
½"	1.76	1.50	0 - 0.4	0 - 0.2	10.5	FKM	D239D-U
						EPDM	D239D-EU
						NBR	D239D-BU
⅜"	0.42	0.36	0 - 8	0 - 5	4.0	FKM	D238D-VL ⁴
						EPDM	D238D-EL ⁴
						NBR	D238D-BL ⁴
⅜"	0.53	0.45	0 - 5	0 - 2	5.0	FKM	D238D-VN ⁴
						EPDM	D238D-EN ⁴
						NBR	D238D-BN ⁴
⅜"	0.60	0.51	0 - 3.5	0 - 1.1	6.0	FKM	D238D-VP ⁴
						EPDM	D238D-EP ⁴
						NBR	D238D-BP ⁴
½"	0.32	0.27	0 - 17	0 - 12	3.0	FKM	D239D-VH ⁴
						EPDM	D239D-EH ⁴
						NBR	D239D-BH ⁴
½"	0.42	0.36	0 - 8	0 - 5	4.0	FKM	D239D-VL ⁴
						EPDM	D239D-EL ⁴
						NBR	D239D-BL ⁴
½"	0.53	0.45	0 - 5	0 - 2	5.0	FKM	D239D-VN ⁴
						EPDM	D239D-EN ⁴
						NBR	D239D-BN ⁴
½"	0.60	0.51	0 - 3.5	0 - 1.1	6.0	FKM	D239D-VP ⁴
						EPDM	D239D-EP ⁴
						NBR	D239D-BP ⁴

⁴ Same flange tube as D262/263 (on pages 12 - 13) see dimensional drawing on the right.

Options Available

Seal Material ¹ 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
NBR (-10 °C to +90 °C)	Water, oil, air	-10 °C	+50 °C

¹ See corrosion reference guide and sealing solutions for material compatibility.

