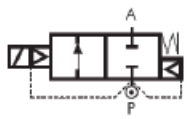
D232/233/234 Series, High Pressure & Compressed Air – 2/2 Normally Closed

Specifications	
Function (single acting)	 Flow direction overseat 1 → 2
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Orifice Material	Stainless Steel 1.4305 EN 10088 (AISI 303)
Flange Tube (Seamless)	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
Operator Seal Material[1]	RUBY
Diaphragm Material	FKM
Main Seal Material[1]	PTFE
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] For D23-DVW operator seal material is foodgrade FKM and main seal material is FKM.

Features and Benefits



- Pilot operated
- 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
- High quality seal materials
- Response time 50 to 500 ms

Pipe Size	Cv (gpm)	Kv (m^3/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
⅜"	2.95	2.52	1 - 50	1 - 50	16	PTFE	D232DIW[2]
½"	3.23	2.76	1 - 50	1 - 50	16	PTFE	D233DIW[2]
¾"	3.37	2.88	1 - 50	1 - 50	16	PTFE	D234DIW[2]
⅜"	2.95	2.52	1 - 25	1 - 25	16	FKM	D232DVW[3]
½"	3.23	2.76	1 - 25	1 - 25	16	FKM	D233DVW[3]
¾"	3.37	2.88	1 - 25	1 - 25	16	FKM	D234DVW[3]

[2] Not 100% leak-proof when used with air/gases. Approximate leak rate is 1,5 ml/min at max. OPD.

[3] Non standard, MOQ required.

Options Available

Valve Options (see coding chart)
NPT threads (minimum batch may be required)

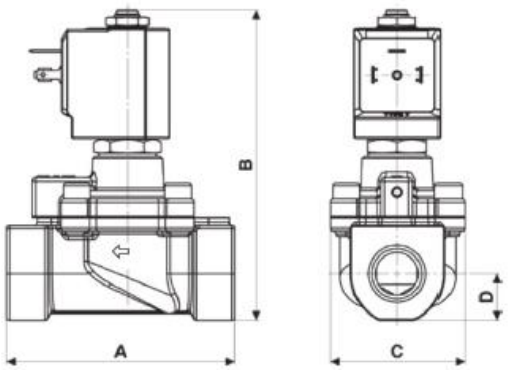
Seal Material[4] and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
PTFE (-10 °C to +130 °C)	Water[5], oil, air	-10 °C	+50 °C
FKM (-10 °C to +130 °C)	Water[5], oil, air	-10 °C	+50 °C

[4] See corrosion reference guide and sealing solutions for material compatability.

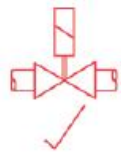
[5] When using liquid fluids waterhammer and pressures higher than 20 barg can cause the diaphragm to tear.

Coil Rotation





Preferred Valve Mounting Options



Pipe Size	A	B	C	D	Weight (kg)
3/8"	86	116.5	50.2	17.5	1
½" - ¾"	86	116.5	50.2	17.5	0.9

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 mm² max
Cable Entry: PG9 (6 to 8 mm)
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

Pipe Size	
2	2/8"
3	½"
4	¾"

Seals	
T	PTFE
V	FKM

Option	
N	NPT
	w/o option

Coil options

Voltage / Frequency - Class F	
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

Plug

Plug	
	w/o plug
0A1	c/w plug

D	2	3	•	D	•	W	•	•	•	•	•	•	•	•	•

Product coding example:

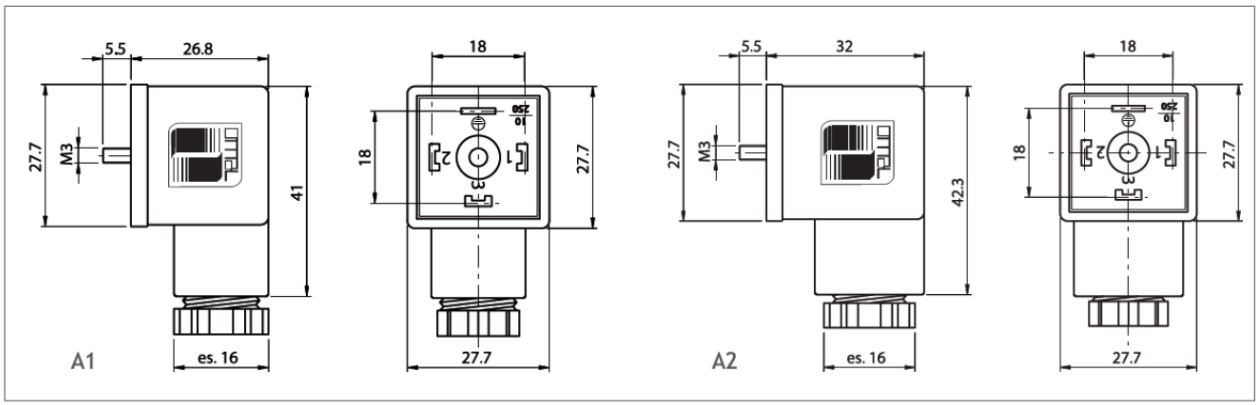
D232DTW 7200
3/8" G, auto operation, brass body, PTFE main seal, 16 mm orifice, 24 V / 50/60 Hz, without plug.

EN 175301 - 803 - A (DIN 43650)



CONNETTORI PER ELETTROVALVOLE
SOLENOID VALVE CONNECTORS
VENTILSTECKER

Attacco/Gland size/Verschraubung: PG9
Diametro cavo/Cable diameter/Kabeldurchmesser: 6 - 8 mm
2P + 1⏚ 3P + 1⏚



Corpo connettore Connector Stecker	PA66 +30% FV
Contatti Contact material Kontaktmaterial	CuZn (Ag)
Tensione nominale (max) Max. voltage Max. Spannung	250 V AC / 300 V DC
Portata massima contatti Max. current Max. Strom	16 A
Portata nominale contatti Operating current Betriebsstrom	10 A

Interasse Spacing Abstand	18 mm
Grado di protezione Protection class Schutzart	IP 65 EN 60529 (DIN 40050)
Classe di isolamento Insulation class Isolierungsklasse	C - VDE 0110
Temperatura di funzionamento Working temperature Betriebstemperatur	- 40°C / + 125°C
Orientamento terra Earth position Erdrichtung	H3 - H6 - H9 - H12

Codici ordine - Codification - Bestellschlüssel

A			0	9			A	

0 = H12 - 6 = H6 - 3 = H3 - 9 = H9

2 = 2P + 1⏚ - 3 = 3P + 1⏚

1 = Guarnizione a profilo/Profile gasket/Profildichtung
2 = Guarnizione piatta/Flat gasket/Flachdichtung

B = Nero/Black/Schwarz - G = Grigio/Gray/Grau - T = Trasparente/Transparent

1 = A1 (26,8 mm)
2 = A2 (32 mm)

Versione standard 2P+T = H12/Standard version 2P+E = H12/Standardausführung 2P+E =H12
Versioni custom su richiesta/Customized versions on request/Kundenspezifische Ausführungen auf Anfrage