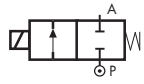


D262/263 Series, Vacuum – 2/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction overseat 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)
Flange	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

Features and Benefits

- Direct Acting
- Robust construction for industrial applications
- Configuration suitable for vacuum
- 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 (m³/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	0.04	0.03	-0.9 to 1	-0.9 to 1	1.0	FKM NBR	D263D _V AL D263D _B AL
¼"	0.09	0.08	-0.9 to 1	-0.9 to 1	1.5	FKM NBR	D263D _V CL D263D _B CL
¼"	0.24	0.20	-0.9 to 1	-0.9 to 1	2.5	FKM NBR	D263D _V GL D263D _B GL
¼"	0.32	0.27	-0.9 to 1	-0.9 to 1	3.0	FKM NBR	D263D _V HCL D263D _B HCL
¼"	0.42	0.36	-0.9 to 1	-0.9 to 1	4.0	FKM NBR	D263D _V LL D263D _B LL
¼"	0.53	0.45	-0.9 to 1	-0.9 to 1	5.0	FKM NBR	D263D _V NL D263D _B NL
¼"	0.56	0.48	-0.9 to 1	-0.9 to 1	6.0	FKM NBR	D263D _V PL D263D _B PL

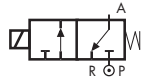




Options Available

Valve Options (see coding chart)
Body threaded connection G 1/8"

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

¹ See corrosion reference guide and sealing solutions for material compatibility. Other seals material on request.

D362/363 Series, Vacuum – 3/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction underseat 2 → 1</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Orifice Material	Stainless Steel 1.4305 EN 10088 (AISI 303)
Flange	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 and Class H Coil Voltage DC (=)	24 V
Standard and Class H Coil Voltage AC 50 Hz (-)	24 V, 110 V, 200 V, 230 V
Standard and Class H Coil Voltage AC 60 Hz (-)	24 V, 120 V, 220 V, 240 V
 Coil Voltage DC (=)	24 V
 Coil Voltage AC 50 Hz (-)	24 V, 110 V, 230 V
 Coil Voltage AC 60 Hz (-)	120 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 and Class H)	AC 18 VA (holding)
	AC 36 VA (inrush)
	DC 14 W
Power Rating ()	AC 15 VA (holding)
	AC 30 VA (inrush)
	DC 10 W

Features and Benefits

- Direct Acting
- Robust construction for industrial applications
- Configuration suitable for vacuum
- 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
- High quality seal materials
- Response time 5 to 25 ms



Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	0.15	0.13	0 to -0.95	0 to -0.95	2.0	FKM	D363C_VEL
¼"	0.24	0.20	0 to -0.95	0 to -0.95	2.5	FKM	D363C_VGL
¼"	0.32	0.27	0 to -0.95	0 to -0.95	3.0	FKM	D363C_VHL
¼"	0.42	0.36	0 to -0.95	0 to -0.95	4.0	FKM	D363C_VLL

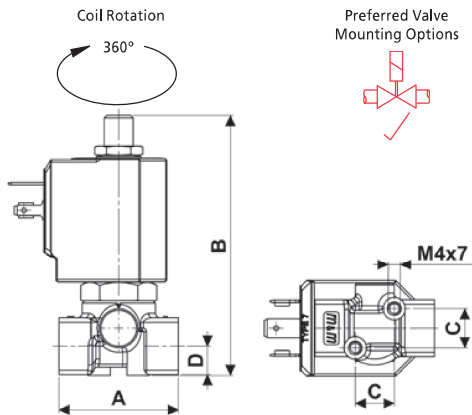
Options Available

Valve Options (see coding chart)
Body threaded connection G ½"

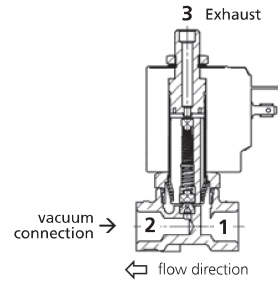
Seal Material ¹ and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
FKM (-10 °C to +130 °C)	Water, oil, air	-10 °C	+50 °C

¹ See corrosion reference guide and sealing solutions for material compatibility. Other seals material on request.

D362/363 Series, Vacuum – 3/2 Normally Closed



Connection scheme



Pipe Size	A	B	C	D	Weight (kg)
1/8" - 1/4"	40	87	13	9.5	0.26

Dimensions (mm)

Solenoid enclosures

7--0 & 7--1 Type Coil - Insulation class F & H

External material (7--0): PBT (reinforced fiberglass 30%)
 External material (7--1): PPS (glass fiber & mineral filled)
 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*



7--R cULus Type Coil - Insulation class F

Encapsulation material: PET 815ER Rynite®
 Electrical connection: DIN EN 175301-803 form A
 Winding insulation: Class H (P180)
 Enclosure classification: Conforms to IP65 (according to EN 60529) with plug and gasket correctly fitted*
 UL approved, file No: E193928



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

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



Coding chart

Main Valve Assembly

Pipe Size	
2	1/8"
3	1/4"

Orifice	
E	2.0
G	2.5
H	3.0
L	4.0

Coil options

Option	Voltage / Frequency - Class F		Voltage / Frequency - Class H	
	w/o option	24 VDC	24 VDC	24 V / 50/60 Hz
7250	24 VDC	7251	24 VDC	24 V / 50/60 Hz
7200	24 V / 50/60 Hz	7201	24 V / 50/60 Hz	24 V / 50/60 Hz
7400	110 V / 50 Hz - 120 V / 60 Hz	7401	110 V / 50 Hz - 120 V / 60 Hz	110 V / 50 Hz - 120 V / 60 Hz
7600	200 V / 50 Hz - 220 V / 60 Hz	7601	200 V / 50 Hz - 220 V / 60 Hz	200 V / 50 Hz - 220 V / 60 Hz
7700	230 V / 50 Hz - 240 V / 60 Hz	7701	230 V / 50 Hz - 240 V / 60 Hz	230 V / 50 Hz - 240 V / 60 Hz
Voltage / Frequency - Class F - cULus approved				
725R	24 VDC			
720R	24 V / 50 Hz			
740R	110 V / 50 Hz - 120 V / 60 Hz			
770R	230 V / 50 Hz - 240 V / 60 Hz			

Plug

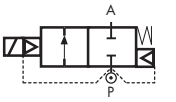




Plug	
	w/o plug
0A1	c/w plug

D	3	6	.	C	V	.	L
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Product coding example:

D362CVGL 7250
 1/8" G, auto operation, brass body, FKM seals, 2.5 mm orifice, 24 VDC, without plug.

D203/204/205 Series, Vacuum – 2/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction underseat 2 → 1</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Flange	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)	NBR
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
 Coil Voltage DC (=)	24 V
 Coil Voltage AC 50 Hz (-)	24 V, 110 V, 230 V
 Coil Voltage AC 60 Hz (-)	120 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
Power Rating ()	AC 15 VA (holding)
	AC 30 VA (inrush)
	DC 10 W

Features and Benefits

- Pilot operated
- Robust construction for industrial applications
- Configuration suitable for vacuum
- 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



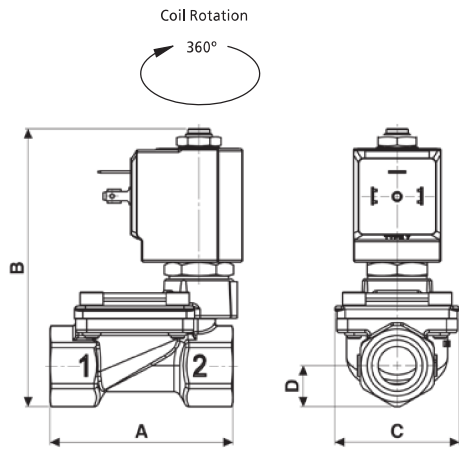
Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	1.83	1.56	-0,2 to -0,95	-0,2 to -0,95	13	NBR	D203DBZL
⅜"	3.86	3.30	-0,2 to -0,95	-0,2 to -0,95	13	NBR	D204DBZL
½"	4.42	3.78	-0,2 to -0,95	-0,2 to -0,95	13	NBR	D205DBZL

Options Available

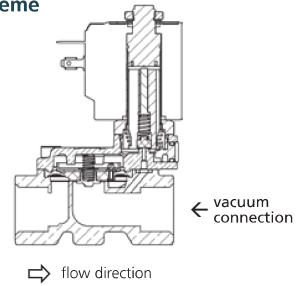
Seal Material ¹ and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
NBR (-10 °C to +90 °C)	Water, oil, air	-10 °C	+50 °C

¹ See corrosion reference guide and sealing solutions for material compatibility. Other seals material on request.

D203/204/205 Series, Vacuum – 2/2 Normally Closed



Connection scheme



Pipe Size	A	B	C	D	Weight (kg)
¼" to ½"	67	102	45,6	15	0,49

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*



7--R cULus Type Coil - Insulation class F

- Encapsulation material: PET 815ER Rynite®
- Electrical connection: DIN EN 175301-803 form A
- Winding insulation: Class H (P180)
- Enclosure classification: Conforms to IP65 (according to EN 60529) with plug and gasket correctly fitted*
- UL approved, file No: E193928



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

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



Coding chart

Main Valve Assembly

Pipe Size
203 ¼"
204 ⅜"
205 ½"

Coil options

Option	Voltage / Frequency - Class F
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
Voltage / Frequency - Class F - cULus approved	
	725R 24 VDC
	720R 24 V / 50 Hz
	740R 110 V / 50 Hz - 120 V / 60 Hz
	770R 230 V / 50 Hz - 240 V / 60 Hz

Plug

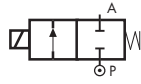
Plug
w/o plug
0A1 c/w plug



Product coding example:

D205DBZL 725R
½" G, auto operation, brass body, NBR seals, 13 mm orifice, 24 V / 50/60 Hz cULus approved, without plug.

D237/238/239 & CD237/238/239 Series, Vacuum – 2/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction overseat 1 → 2</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Flange	Stainless Steel 1.4305 EN 10088 (AISI 303)
Additional Flange (HEX 30)	Brass CW614N (EN 12164)
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)	NBR
Connection Type (Std)	G parallel thread (ISO 228-1)
Shading Ring	Copper
Electrical Characteristics	
High Power Coil Voltage DC (=)	24 V
High Power Coil Voltage AC 50 Hz (-)	24 V, 110 V, 230 V
High Power Coil Voltage AC 60 Hz (-)	24 V, 120 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 H 180 °C
Power Rating (High Power)	AC 25 VA (holding) AC 50 VA (inrush) DC 22 W

Features and Benefits

- Direct Acting
- Robust construction for industrial applications
- Configuration suitable for vacuum
- 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



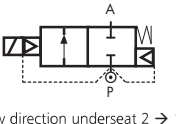




Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	1.49	1.27	0 to -0.95	-	10.5	NBR EPDM	D237DBU1 D237DEU1
⅜"	1.68	1.44	0 to -0.95	-	10.5	NBR EPDM	D238DBU1 D238DEU1
½"	1.76	1.50	0 to -0.95	-	10.5	NBR EPDM	D239DBU1 D239DEU1
¼"	1.49	1.27	-	0 to -0.95	10.5	NBR EPDM	C D237DBU1 C D237DEU1
⅜"	1.68	1.44	-	0 to -0.95	10.5	NBR EPDM	C D238DBU1 C D238DEU1
½"	1.76	1.50	-	0 to -0.95	10.5	NBR EPDM	C D239DBU1 C D239DEU1

Options Available

Seal Material ¹ and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
NBR 60 shore (-10 °C to +90 °C)	Water, oil, air	-10 °C	+50 °C
EPDM (-10 °C to +120 °C)	Water, hot water	-10 °C	+50 °C

¹ See corrosion reference guide and sealing solutions for material compatibility. Other seals material on request.

D187/188/189/190/192 Series, Vacuum – 2/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction underseat 2 → 1</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Flange	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)	NBR
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
 Coil Voltage DC (=)	24 V
 Coil Voltage AC 50 Hz (-)	24 V, 110 V, 230 V
 Coil Voltage AC 60 Hz (-)	120 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
Power Rating ()	AC 15 VA (holding)
	AC 30 VA (inrush)
	DC 10 W

Features and Benefits

- Pilot operated
- Robust construction for industrial applications
- Configuration suitable for vacuum
- 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



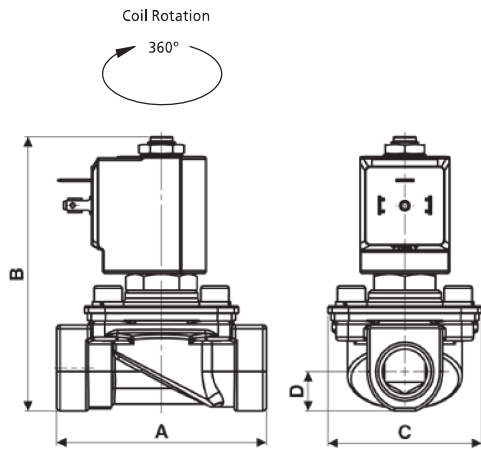
Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
¼"	3.51	3.00	0 to -0.95	0 to -0.95	15	NBR	D187DBWL
⅜"	4.21	3.60			15	NBR	D188DBWL
½"	4.56	3.90			15	NBR	D189DBWL
¾"	5.62	4.80			15	NBR	D190DBWL
1"	5.97	5.10			15	NBR	D192DBWL

Options Available

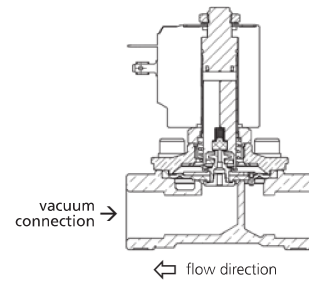
Seal Material ¹ and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
NBR (-10 °C to +90 °C)	Water, oil, air	-10 °C	+50 °C

¹ See corrosion reference guide and sealing solutions for material compatibility. Other seals material on request.

D187/188/189/190/192 Series, Vacuum – 2/2 Normally Closed



Connection scheme



Pipe Size	A	B	C	D	Weight (kg)
¼" - ½"	75	108	55	14	0.5
¾" - 1"	85	108	55	21.5	0.8

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*



7-R cULus Type Coil - Insulation class F

- Encapsulation material: PET 815ER Rynite®
- Electrical connection: DIN EN 175301-803 form A
- Winding insulation: Class H (P180)
- Enclosure classification: Conforms to IP65 (according to EN 60529) with plug and gasket correctly fitted*



UL approved, file No: E193928

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

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



Coding chart

Main Valve Assembly

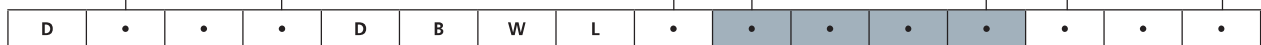
Pipe Size
187 ¼"
188 ⅜"
189 ½"
190 ¾"
192 1"

Coil options

Option	Voltage / Frequency - Class F	
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
	Voltage / Frequency - Class F - cULus approved	
	725R	24 VDC
	720R	24 V / 50 Hz
	740R	110 V / 50 Hz - 120 V / 60 Hz
	770R	230 V / 50 Hz - 240 V / 60 Hz

Plug

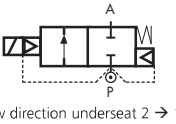
Plug
w/o plug
0A1 c/w plug



Product coding example:

D189DBWL 7200
 ½" G, auto operation, brass body, NBR seals, 15 mm orifice, 24 V / 50/60 Hz, without plug.

D223/224/225 Series, Vacuum – 2/2 Normally Closed

Specifications	
Function (single acting)	 <p>Flow direction underseat 2 → 1</p>
Maximum Viscosity	Max. 21cST (3 °E)
Body Material (Std)	Brass CW617N (EN 12165)
Flange	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)	NBR
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

- Pilot operated
- Robust construction for industrial applications
- Configuration suitable for vacuum
- 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
- Speed control screw as standard
- Response time 50 to 500 ms



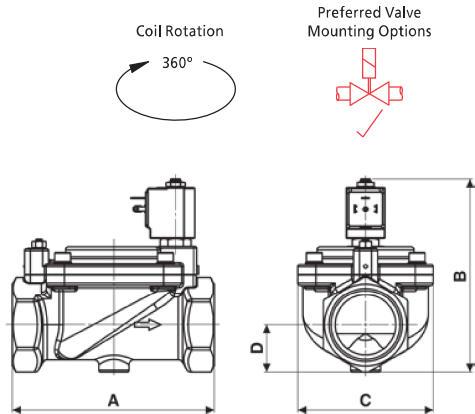
Pipe Size	Cv (gpm)	Kv (m³/h)	OPD (bar)		Orifice (mm)	Seal Material	Valve Code
			AC Voltages	DC Voltages			
1 ¼"	25.97	22.20	-0.5	-0.5	40	NBR	D223DBKL
1 ½"	28.08	24.00	to -0.95	to -0.95	40	NBR	D224DBKL
2"	37.91	32.40			50	NBR	D225DBJL

Options Available

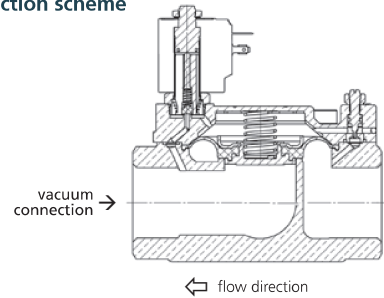
Seal Material ¹ and Media Temperature Range	Media	Ambient Temperature Range	
		Min	Max
NBR (-10 °C to +90 °C)	Water, oil, air	-10 °C	+50 °C

¹ See corrosion reference guide and sealing solutions for material compatibility. Other seals material on request.

D223/224/225 Series, Vacuum – 2/2 Normally Closed



Connection scheme



Pipe Size	A	B	C	D	Weight (kg)
1 ¼" - 1 ½"	140	140	96	31	2.8
2"	168	158	112	39	3.9

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*



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

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



Coding chart

Main Valve Assembly

Pipe Size	
23	1 ¼"
24	1 ½"
25	2"

Orifice ¹	
K	40
J	50

Option	
	w/o option

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	
	w/o plug
0A1	c/w plug



¹ DN40 for D223 and D224; DN50 for D225.

Product coding example:

D225DBJL 7250
2" G, auto operation, brass body, NBR seals, 50 mm orifice, 24 VDC, without plug.