

N Series | 22 mm size

2/2 Normally Closed & Normally Open direct acting solenoid valve

AISI 303 body | G1/8 | 35 bar max. diff. pressure | from 1,0 to 2,4 mm orifice



CONSTRUCTION MATERIALS

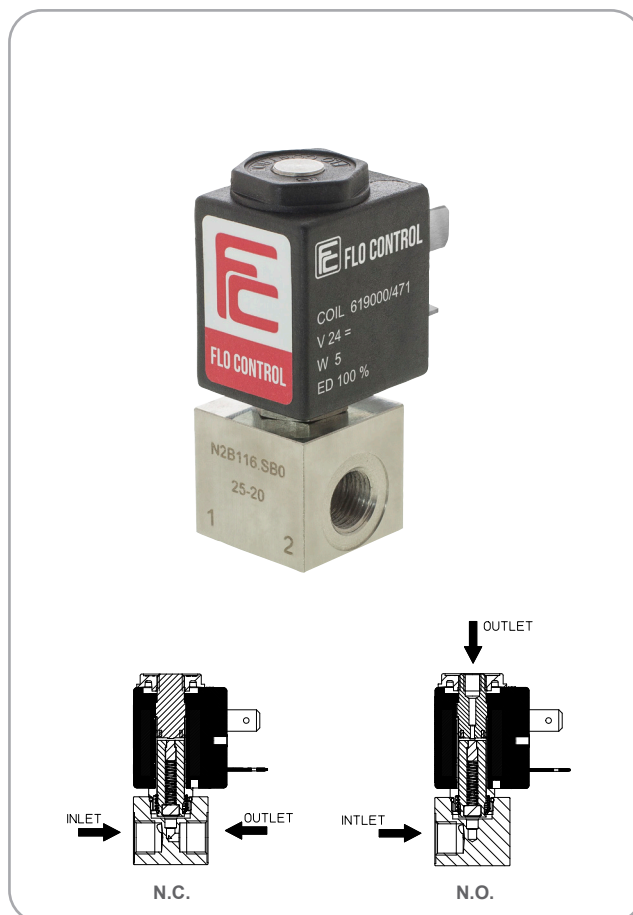
Body	AISI 303
Stem	AISI 303
Internals	Stainless steel
Shading ring	Copper
Seals	NBR FKM EPDM

OPERATING CONDITIONS

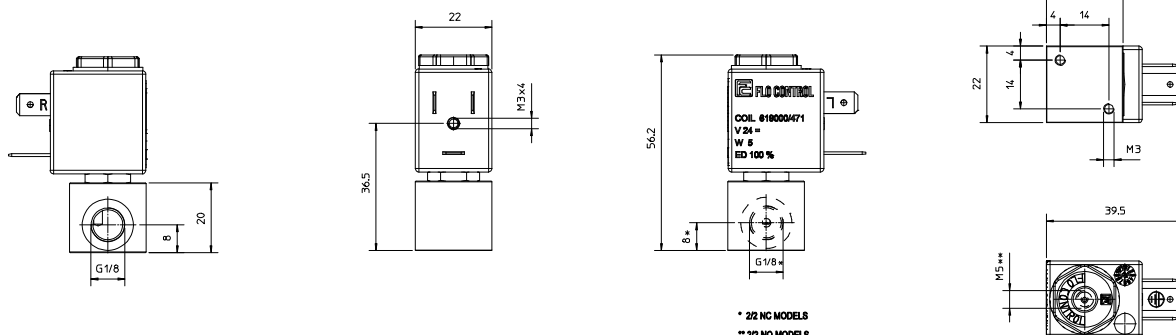
Media	Air Gas Non aggressive fluids
Flow factor	See page 2
Pressure range	See page 2
Temperature range	from -10°C to +50°C
Ambient temperature	from -10°C to +50°C
Response time	from 6 to 15 ms
Mounting	in any position (vertical preferred)

ELECTRICAL DATA

Electrical insulation	Class H 180°C
Encapsulation material	PA 66 30% G.F. Class F 155°C
Temperature range	from -10°C to + 50°C
Duty cycle	ED 100%
Voltage variation	from -10% to 15% of nominal voltage
Power consumption	DC 5W - AC 7,5VA
Electrical connection	DIN 43650/B Industrial Form
Cable connection	PG 9
Protection class	IP65 (with mounted connector)



DIMENSIONS



* 2/2 NC MODELS
** 2/2 NO MODELS

AVAILABLE OPTIONS ON REQUEST

- Coil treatment for humidity protection
- PWM integrated
- AC/DC converter integrated
- NBR for low temp applications (-40°C)
- Ultrasonic cleaning
- Oil free
- Coil with O-RING protection
- Coil with flying leads
- PBT coil encapsulation material

TABLE A

FUNCTION	SYMBOL	ORIFICE MM	*Kv	PRESSURE RANGE (BAR)			NOMINAL POWER			MAIN CODE
				MIN.	MAX. DC	MAX. AC	WATT DC	V.A. AC		
								INRUSH	HOLD	
2/2 NORMALLY CLOSED (NC)		1.0	0.4	0	-	35	-	9	7.5	N2B110
		1.0	0.4	0	20	-	5	-	-	N2B610
		1.2	0.5	0	-	26	-	9	7.5	N2B112
		1.2	0.5	0	15	-	5	-	-	N2B612
		1.6	1.1	0	-	15	-	9	7.5	N2B116
		1.6	1.1	0	8	-	5	-	-	N2B616
		2.0	1.5	0	-	9	-	9	7.5	N2B120
		2.0	1.5	0	4.5	-	5	-	-	N2B620
		2.4	2.0	0	-	6	-	9	7.5	N2B124
		2.4	2.0	0	4	-	5	-	-	N2B624
2/2 NORMALLY OPEN (NO)		1.0	0.4	0	-	14	-	9	7.5	N2B210
		1.0	0.4	0	14	-	5	-	-	N2B710
		1.2	0.5	0	-	12	-	9	7.5	N2B212
		1.2	0.5	0	12	-	5	-	-	N2B712
		1.6	1.1	0	-	10	-	9	7.5	N2B216
		1.6	1.1	0	10	-	5	-	-	N2B716
		2.0	1.5	0	4.5	-	5	-	-	N2B720
		2.4	2.0	0	3	-	5	-	-	N2B724

TABLE B

VOLTAGES	CODE FOR DIN CONNECTION								CODE FOR FLYING LEADS CONNECTION		
	6	12	24	48	110	115	220	230	6	12	24
AC 50 Hz	-	-	411	-	421	-	431	457	-	-	-
AC 60 Hz	-	-	444	-	-	453	-	459	-	-	-
DC	461	466	471	-	-	-	-	-	-	460	470

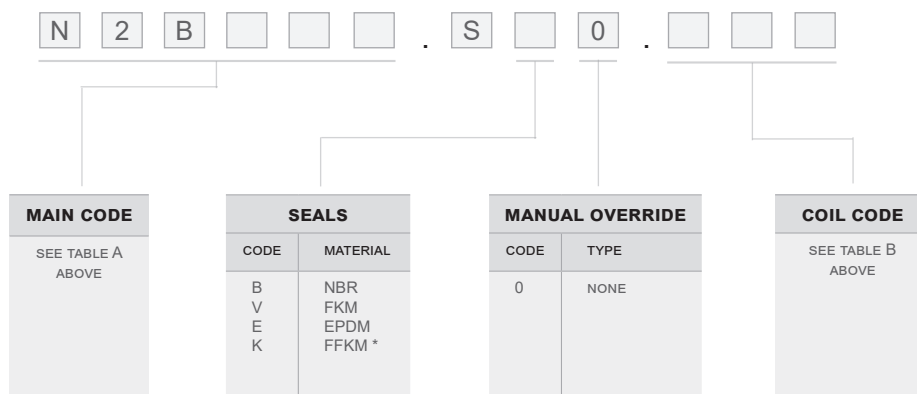
Other voltages and power on request

ACCESSORIES



Connector P/N Z10030

HOW TO ORDER



* On request

N Series | 22 mm size

2/2 Normally Closed direct acting solenoid valve

AISI 303 body | modular | 12 bar max. diff. pressure | from 1,0 to 2,4 mm orifice



CONSTRUCTION MATERIALS

Body	AISI 303
Stem	AISI 303
Internals	Stainless steel
Shading ring	Copper
Seals	NBR FKM EPDM

OPERATING CONDITIONS

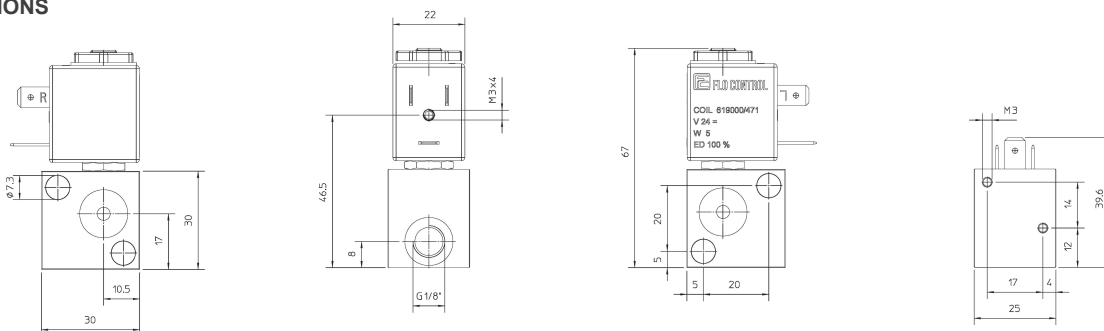
Media	Air Gas Non aggressive fluids
Flow factor	See page 2
Pressure range	See page 2
Temperature range	from -10°C to +50°C
Ambient temperature	from -10°C to +50°C
Response time	from 6 to 15 ms
Mounting	in any position (vertical preferred)

ELECTRICAL DATA

Electrical insulation	Class H 180°C
Encapsulation material	PA 66 30% G.F. Class F 155°C
Temperature range	from -10°C to + 50°C
Duty cycle	ED 100%
Voltage variation	from -10% to 15% of nominal voltage
Power consumption	DC 5W - AC 7,5VA
Electrical connection	DIN 43650/B Industrial Form
Cable connection	PG 9
Protection class	IP65 (with mounted connector)



DIMENSIONS



Weight ~ 212 gr

AVAILABLE OPTIONS ON REQUEST

- Coil treatment for humidity protection
- PWM integrated
- AC/DC converter integrated
- NBR for low temp applications (-40°C)
- Ultrasonic cleaning
- Oil free
- Coil with O-RING protection
- Coil with flying leads
- PBT coil encapsulation material

TABLE A

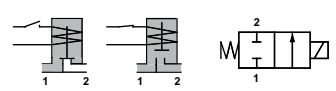
FUNCTION	SYMBOL	ORIFICE MM	*K _V	PRESSURE RANGE (BAR)			NOMINAL POWER			MAIN CODE
				MIN.	MAX. DC	MAX. AC	WATT DC	V.A. AC		
								INRUSH	HOLD	
2/2 NORMALLY CLOSED (NC)		1.0	0.4	0	-	12	-	9	7.5	N2S110
		1.0	0.4	0	12	-	5	-	-	N2S610
		1.2	0.5	0	-	10	-	9	7.5	N2S112
		1.2	0.5	0	10	-	5	-	-	N2S612
		1.6	1.1	0	-	7	-	9	7.5	N2S116
		1.6	1.1	0	7	-	5	-	-	N2S616
		2.0	1.5	0	-	5	-	9	7.5	N2S120
		2.0	1.5	0	5	-	5	-	-	N2S620
		2.4	2.0	0	-	2.5	-	9	7.5	N2S124
		2.4	2.0	0	2.5	-	5	-	-	N2S624

TABLE B

VOLTAGES	CODE FOR DIN CONNECTION								CODE FOR FLYING LEADS CONNECTION		
	6	12	24	48	110	115	220	230	6	12	24
AC 50 Hz	-	-	411	-	421	-	431	457	-	-	-
AC 60 Hz	-	-	444	-	-	453	-	459	-	-	-
DC	461	466	471	-	-	-	-	-	-	460	470

Other voltages and power on request

ACCESSORIES



Connector P/N Z10030



Assembly kit P/N Z11251.[B,E,V]

HOW TO ORDER

N 2 S . S 0 . . .

MAIN CODE
SEE TABLE A ABOVE

SEALS	
CODE	MATERIAL
B V E	NBR FKM EPDM

MANUAL OVERRIDE	
CODE	TYPE
0	NONE

COIL CODE
SEE TABLE B ABOVE

Assembly kit : Z11251 .

N Series | 22 mm size

3/2 Normally Closed & Normally Open direct acting solenoid valve

BRASS body | G1/8" | 12 bar max. diff. pressure | from 1,0 to 2,4 mm orifice



CONSTRUCTION MATERIALS

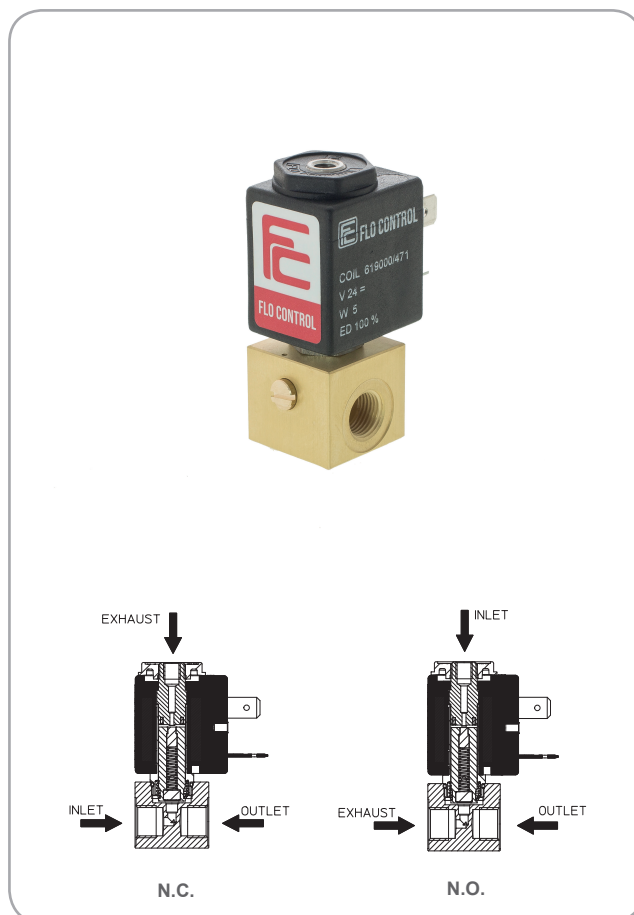
Body	Brass
Stem	AISI 303
Internals	Stainless steel
Shading ring	Copper
Seals	NBR FKM EPDM

OPERATING CONDITIONS

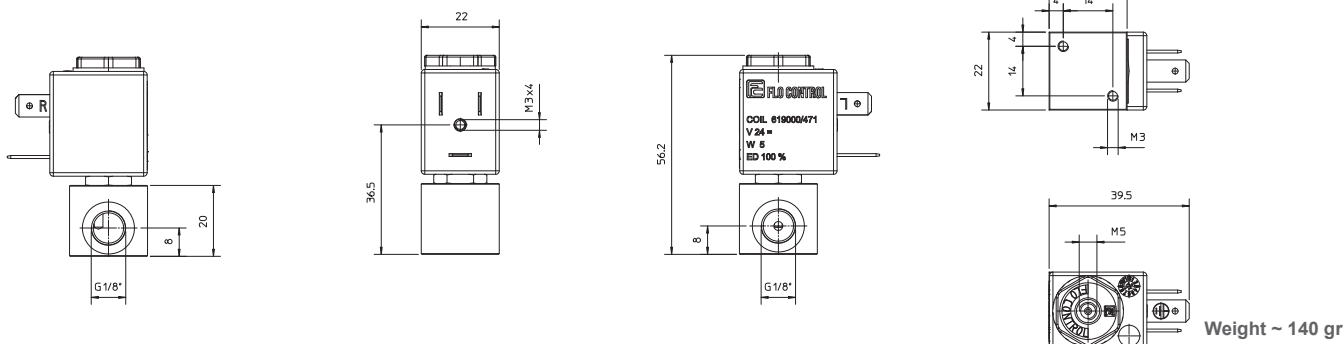
Media	Air Gas Non aggressive fluids
Flow factor	See page 2
Pressure range	See page 2
Temperature range	from -10°C to +50°C
Ambient temperature	from -10°C to +50°C
Response time	from 6 to 15 ms
Mounting	in any position (vertical preferred)

ELECTRICAL DATA

Electrical insulation	Class H 180°C
Encapsulation material	PA 66 30% G.F. Class F 155°C
Temperature range	from -10°C to + 50°C
Duty cycle	ED 100%
Voltage variation	from -10% to 15% of nominal voltage
Power consumption	DC 5W - AC 7,5VA
Electrical connection	DIN 43650/B Industrial Form
Cable connection	PG 9
Protection class	IP65 (with mounted connector)



DIMENSIONS



AVAILABLE OPTIONS ON REQUEST

- Coil treatment for humidity protection
- PWM integrated
- AC/DC converter integrated
- NBR for low temp applications (-40°C)
- Ultrasonic cleaning
- Oil free
- Coil with O-RING protection
- Coil with flying leads
- PBT coil encapsulation material

TABLE A

FUNCTION	SYMBOL	ORIFICE MM	*K _V	PRESSURE RANGE (BAR)			NOMINAL POWER			MAIN CODE
				MIN.	MAX. DC	MAX. AC	WATT DC	V.A. AC		
								INRUSH	HOLD	
3/2 NORMALLY CLOSED (NC)		1.0	0.4	0	-	12	-	9	7.5	N3B110
		1.0	0.4	0	12	-	5	-	-	N3B610
		1.2	0.5	0	-	10	-	9	7.5	N3B112
		1.2	0.5	0	10	-	5	-	-	N3B612
		1.6	1.1	0	-	7	-	9	7.5	N3B116
		1.6	1.1	0	7	-	5	-	-	N3B616
		2.0	1.5	0	5	-	5	-	-	N3B620
		2.4	2.0	0	2.5	-	5	-	-	N3B624
3/2 NORMALLY OPEN (NO)		1.0	0.4	0	-	12	-	9	7.5	N3B210
		1.0	0.4	0	12	-	5	-	-	N3B710
		1.2	0.5	0	-	10	-	9	7.5	N3B212
		1.2	0.5	0	10	-	5	-	-	N3B712
		1.6	1.1	0	-	7	-	9	7.5	N3B216
		1.6	1.1	0	7	-	5	-	-	N3B716
		2.0	1.5	0	3	-	5	-	-	N3B720
		2.4	2.0	0	1.5	-	5	-	-	N3B724

TABLE B

VOLTAGES	CODE FOR DIN CONNECTION								CODE FOR FLYING LEADS CONNECTION		
	6	12	24	48	110	115	220	230	6	12	24
AC 50 Hz	-	-	411	-	421	-	431	457	-	-	-
AC 60 Hz	-	-	444	-	-	453	-	459	-	-	-
DC	461	466	471	-	-	-	-	-	-	460	470

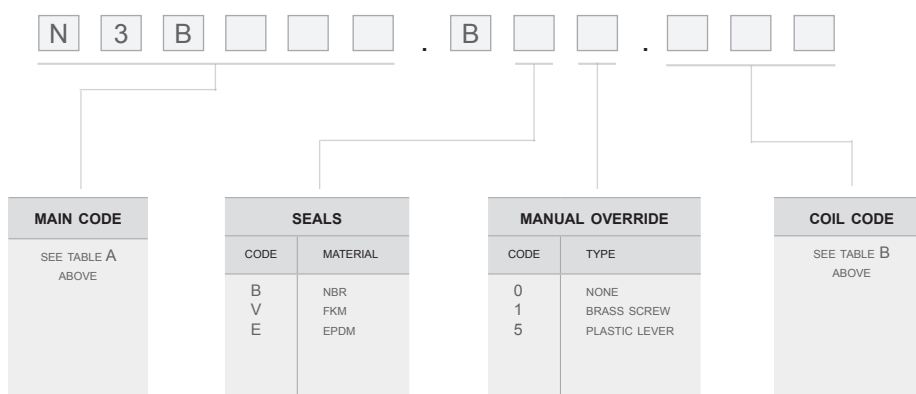
Other voltages and power on request

ACCESSORIES



Connector P/N Z10030

HOW TO ORDER



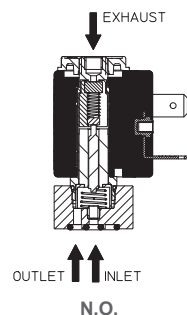


Aluminium body | Flange | 10 bar max. diff. pressure | from 1,2 to 1,6 mm orifice

Body	Aluminium
Stem	Brass
Internals	Brass Stainless steel
Shading ring	Copper
Seals	NBR FKM EPDM

Media	Air Gas Non aggressive fluids
Flow factor	See page 2
Pressure range	See page 2
Fluid temperature	from -10°C to +50°C
Ambient temperature	from -10°C to +50°C
Response time	from 6 to 15 ms
Mounting	in any position (vertical preferred)

Electrical insulation	Class H 180°C
Encapsulation material	PA 66 30% G.F. Class F 155°C
Temperature range	from -10°C to + 50°C
Duty cycle	ED 100%
Voltage variation	from -10% to 15% of nominal voltage
Power consumption	DC 5W - AC 7,5VA
Electrical connection	DIN 43650/B Industrial Form
Cable connection	PG 9
Protection class	IP65 (with mounted connector)



Weight ~ 90 gr

- Coil treatment for humidity protection
- PWM integrated
- AC/DC converter integrated
- NBR for low temp applications (-40°C)
- Ultrasonic cleaning
- Oil free
- Coil with flying leads
- PBT coil encapsulation material



TABLE A

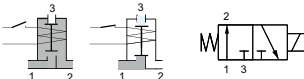
FUNCTION	SYMBOL	ORIFICE MM	*K _V	PRESSURE RANGE (BAR)			NOMINAL POWER			MAIN CODE	
				MIN.	MAX. DC	MAX. AC	WATT DC	V.A. AC			
								INRUSH	HOLD		
3/2 NORMALLY OPEN (NO)		1.2	0.5	0	-	10	-	9	7.5	N7P212	
		1.2	0.5	0	10	-	5	-	-	N7P712	
		1.6	1.1	0	-	8.5	-	9	7.5	N7P216	
		1.6	1.1	0	8.5	-	5	-	-	N7P716	

TABLE B

VOLTAGES	CODE FOR DIN CONNECTION								CODE FOR FLYING LEADS CONNECTION		
	6	12	24	48	110	115	220	230	6	12	24
AC 50 Hz	-	-	411	-	421	-	431	457	-	-	-
AC 60 Hz	-	-	444	-	-	453	-	459	-	-	-
DC	461	466	471	-	-	-	-	-	-	460	470

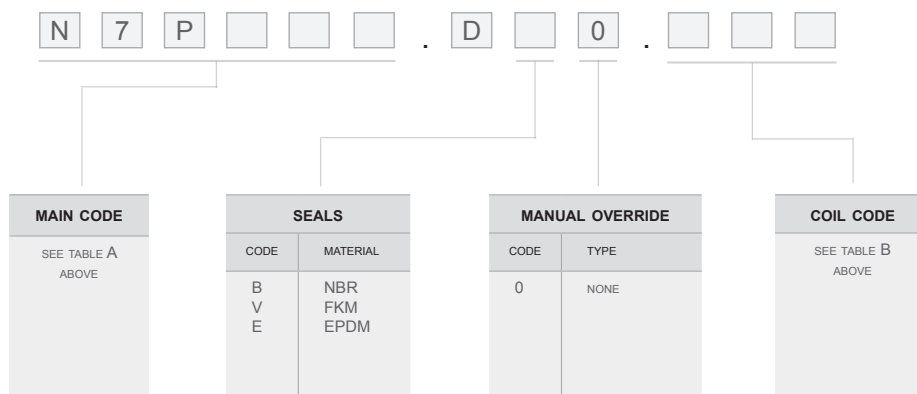
Other voltages and power on request

ACCESSORIES



Connector P/N Z10030

HOW TO ORDER



Q Series | 31 mm size

2/2 Normally Closed & Normally Open direct acting solenoid valve

AISI 303 body | G1/4" | 80 bar max. diff. pressure | from 0,8 to 6,0 mm orifice



CONSTRUCTION MATERIALS

Body	AISI 303
Stem	AISI 303
Internals	Stainless steel
Shading ring	Copper
Seals	NBR FKM EPDM

OPERATING CONDITIONS

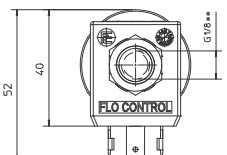
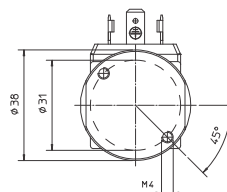
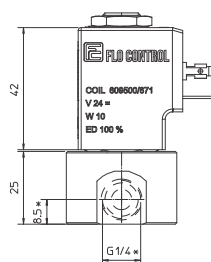
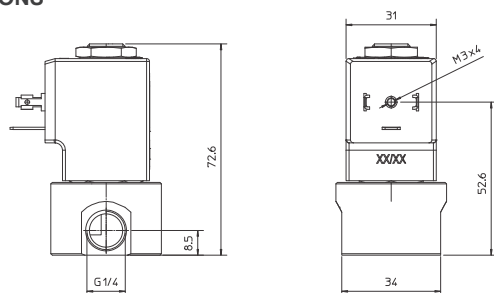
Media	Air Gas Non aggressive fluids
Flow factor	See page 2
Pressure range	See page 2
Temperature range	from -10°C to +50°C
Ambient temperature	from -10°C to +50°C
Response time	from 6 to 18 ms
Mounting	in any position (vertical preferred)

ELECTRICAL DATA

Electrical insulation	Class H 180°C
Encapsulation material	PA 66 30% G.F. Class F 155°C
Temperature range	from -10°C to + 50°C
Duty cycle	ED 100%
Voltage variation	from -10% to 15% of nominal voltage
Power consumption	DC 10W - AC 13,5VA
Electrical connection	DIN 43650/A - ISO 4400
Cable connection	PG 9
Protection class	IP65 (with mounted connector)



DIMENSIONS



* 2/2 NC MODELS
** 2/2 NO MODELS

Weight ~ 340 gr

AVAILABLE OPTIONS ON REQUEST

- Coil treatment for humidity protection
- PWM integrated
- FFKM
- NBR for low temp applications (-40°C)
- Ultrasonic cleaning
- Oil free
- Coil with O-RING protection
- Coil with flying leads
- PBT coil encapsulation material

TABLE A

FUNCTION	SYMBOL	ORIFICE MM	*Kv	PRESSURE RANGE (BAR)			NOMINAL POWER			MAIN CODE
				MIN.	MAX. DC	MAX. AC	WATT DC	V.A. AC		
								INRUSH	HOLD	
2/2 NORMALLY CLOSED (NC)		0.8	0.5	0	-	80	-	21.5	13.5	Q2C108
		0.8	0.5	0	60	-	10	-	-	Q2C608
		1.2	1.3	0	-	70	-	21.5	13.5	Q2C112
		1.2	1.3	0	45	-	10	-	-	Q2C612
		1.6	1.7	0	-	60	-	21.5	13.5	Q2C116
		1.6	1.7	0	35	-	10	-	-	Q2C616
		2.4	3.5	0	-	30	-	21.5	13.5	Q2C124
		2.4	3.5	0	15	-	10	-	-	Q2C624
		3.0	4.5	0	-	18	-	21.5	13.5	Q2C130
		3.0	4.5	0	10	-	10	-	-	Q2C630
		4.0	7.5	0	-	8	-	21.5	13.5	Q2C140
		4.0	7.5	0	3	-	10	-	-	Q2C640
		6.0	12.0	0	-	2.5	-	21.5	13.5	Q2C160
		6.0	12.0	0	0.7	-	10	-	-	Q2C660
2/2 NORMALLY OPEN (NO)		0.8	0.5	0	-	40	-	21.5	13.5	Q2C208
		0.8	0.5	0	40	-	10	-	-	Q2C208
		1.2	1.1	0	-	35	-	21.5	13.5	Q2C212
		1.2	1.1	0	35	-	10	-	-	Q2C212
		1.6	1.4	0	-	20	-	21.5	13.5	Q2C216
		1.6	1.4	0	20	-	10	-	-	Q2C216
		2.4	3.0	0	-	10	-	21.5	13.5	Q2C224
		2.4	3.0	0	10	-	10	-	-	Q2C224
		3.0	3.5	0	-	8	-	21.5	13.5	Q2C230
		3.0	3.5	0	8	-	10	-	-	Q2C230

TABLE B

VOLTAGES	CODE FOR DIN CONNECTION								CODE FOR FLYING LEADS CONNECTION		
	6	12	24	48	110	115	220	230	6	12	24
AC 50 Hz	-	-	611	-	621	-	631	638	-	-	-
AC 60 Hz	-	-	644	-	-	653	-	659	-	-	-
DC	661	666	671	-	-	-	-	-	-	-	-

Other voltages and power on request

ACCESSORIES



Connector P/N Z10031

HOW TO ORDER

Q	2	C				.	S			.			
MAIN CODE SEE TABLE A ABOVE						SEALS CODE MATERIAL B NBR V FKM E EPDM		MANUAL OVERRIDE CODE TYPE 0 NONE		COIL CODE SEE TABLE B ABOVE			

Q Series | 31 mm size

3/2 Normally Closed & Normally Open direct acting solenoid valve

BRASS body | G1/4" | 30 bar max. diff. pressure | from 0,8 to 3,0 mm orifice



CONSTRUCTION MATERIALS

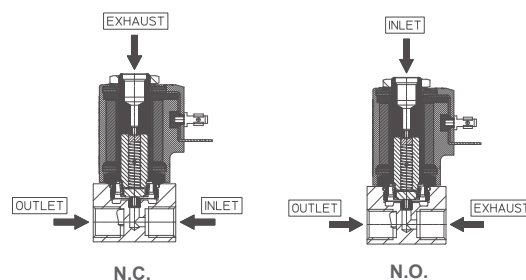
Body	BRASS
Stem	AISI 303
Internals	Stainless steel
Shading ring	Copper
Seals	NBR FKM EPDM

OPERATING CONDITIONS

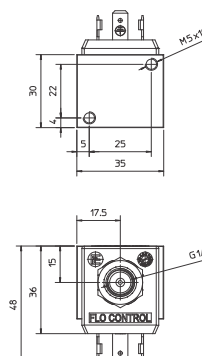
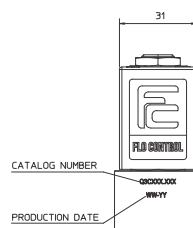
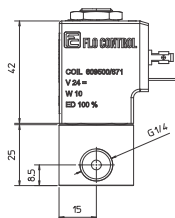
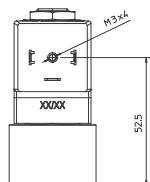
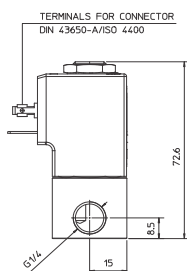
Media	Air Gas Non aggressive fluids
Flow factor	See page 2
Pressure range	See page 2
Temperature range	from -10°C to +50°C
Ambient temperature	from -10°C to +50°C
Response time	from 6 to 18 ms
Mounting	in any position (vertical preferred)

ELECTRICAL DATA

Electrical insulation	Class H 180°C
Encapsulation material	PA 66 30% G.F. Class F 155°C
Temperature range	from -10°C to + 50°C
Duty cycle	ED 100%
Voltage variation	from -10% to 15% of nominal voltage
Power consumption	DC 10W - AC 13,5VA
Electrical connection	DIN 43650/A
Cable connection	PG 9
Protection class	IP65 (with mounted connector)



DIMENSIONS



AVAILABLE OPTIONS ON REQUEST

- Coil treatment for humidity protection
- PWM integrated
- NBR for low temp applications (-40°C)
- Ultrasonic cleaning
- Oil free
- Coil with O-RING protection
- Coil with flying leads
- PBT coil encapsulation material

TABLE A

FUNCTION	SYMBOL	ORIFICE MM	*Kv	PRESSURE RANGE (BAR)			NOMINAL POWER			MAIN CODE
				MIN.	MAX. DC	MAX. AC	WATT DC	V.A. AC		
								INRUSH	HOLD	
3/2 NORMALLY CLOSED (NC)		0.8	0.5	0	-	30	-	21.5	13.5	Q3C108
		0.8	0.5	0	30	-	10	-	-	Q3C108
		1.2	1.3	0	-	25	-	21.5	13.5	Q3C112
		1.2	1.3	0	25	-	10	-	-	Q3C112
		1.6	1.7	0	-	15	-	21.5	13.5	Q3C116
		1.6	1.7	0	15	-	10	-	-	Q3C116
		2.4	3.5	0	-	10	-	21.5	13.5	Q3C124
		2.4	3.5	0	10	-	10	-	-	Q3C124
		3.0	4.5	0	-	6	-	21.5	13.5	Q3C130
		3.0	4.5	0	6	-	10	-	-	Q3C130
3/2 NORMALLY OPEN (NO)		0.8	0.5	0	-	20	-	21.5	13.5	Q3C208
		0.8	0.5	0	20	-	10	-	-	Q3C208
		1.2	1.1	0	-	15	-	21.5	13.5	Q3C212
		1.2	1.1	0	15	-	10	-	-	Q3C212
		1.6	1.4	0	-	10	-	21.5	13.5	Q3C216
		1.6	1.4	0	10	-	10	-	-	Q3C216
		2.4	3.0	0	-	6	-	21.5	13.5	Q3C224
		2.4	3.0	0	6	-	10	-	-	Q3C224
		3.0	3.5	0	-	4.5	-	21.5	13.5	Q3C230
		3.0	3.5	0	4.5	-	10	-	-	Q3C230

TABLE B

VOLTAGES	CODE FOR DIN CONNECTION								CODE FOR FLYING LEADS CONNECTION		
	6	12	24	48	110	115	220	230	6	12	24
AC 50 Hz	-	-	611	-	621	-	631	638	-	-	-
AC 60 Hz	-	-	644	-	-	653	-	659	-	-	-
DC	661	666	671	-	-	-	-	-	-	-	-

Other voltages and power on request

ACCESSORIES



Connector P/N Z10031

HOW TO ORDER

