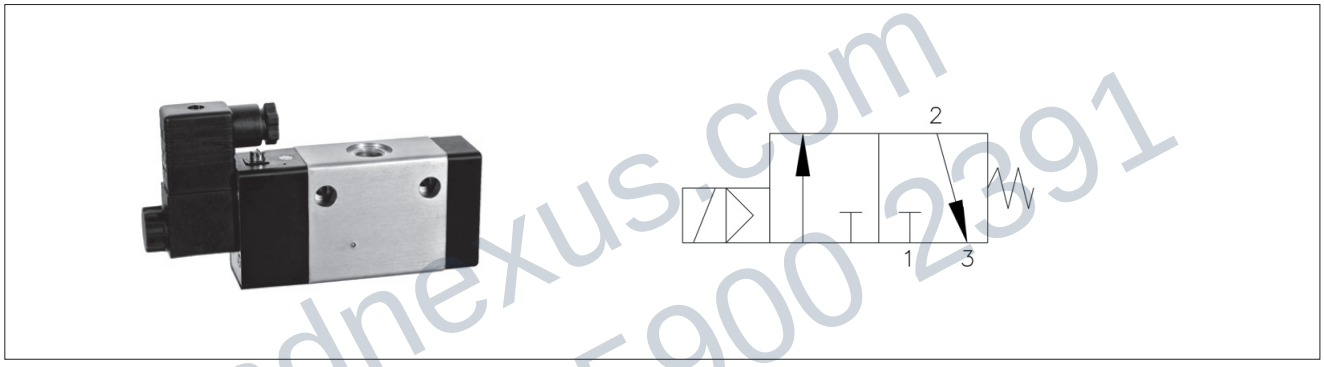
Neles Easyflow™ solenoid valves
Series DSQ and VSQ

3/2 way spool type solenoid calve - single coil

Model No: DSQ113 / DSQ213



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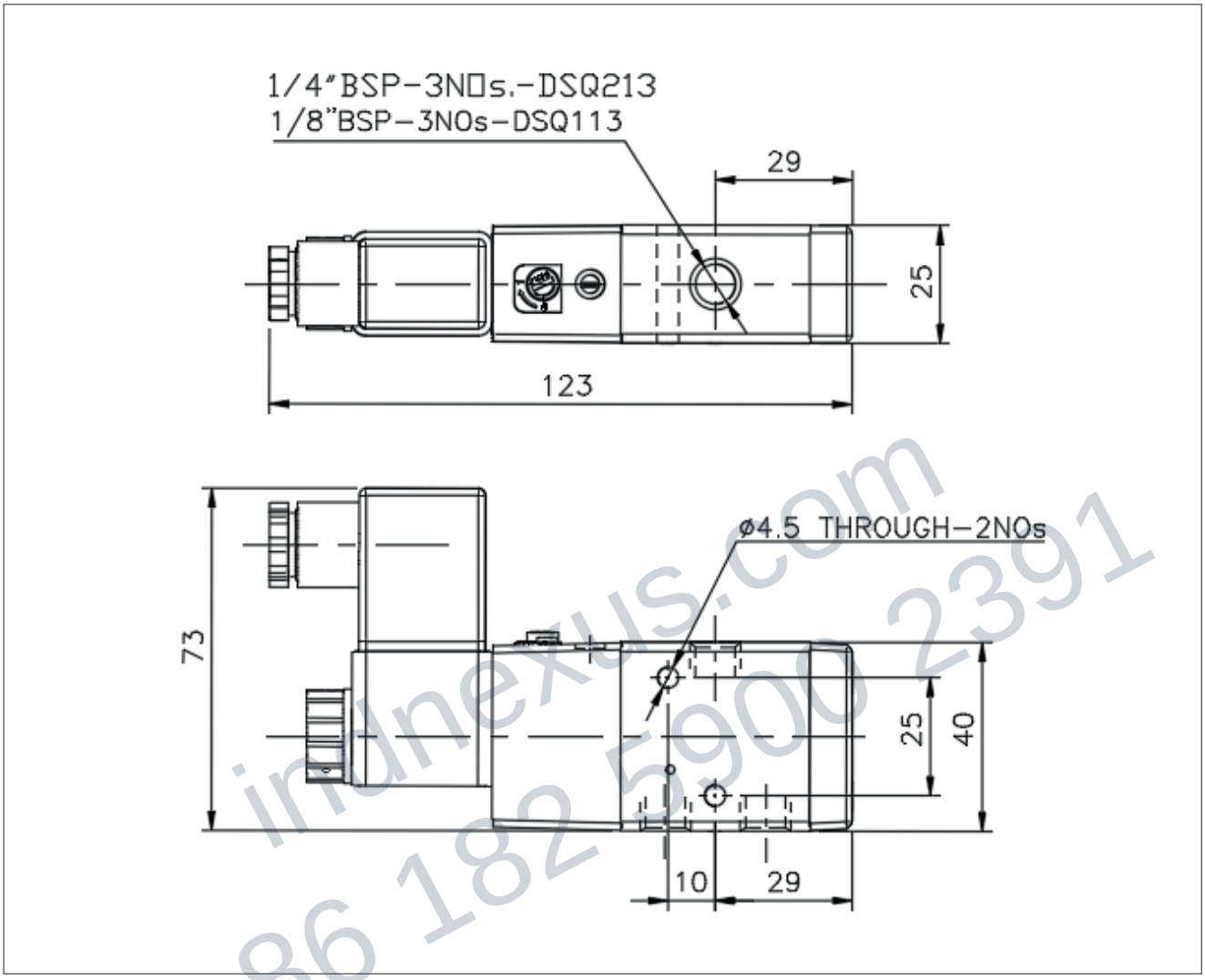
Features

- Mounts in any position
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type

Technical specification

Model	DSQ113	DSQ213
Type	3/2-way spool design, single coil, spring return direction control valve	
Media	Compressed air, 25 µm, Filtered, lubricated or unlubricated	
Mounting	Through holes in housing, also suitable for mounting on manifold	
Orifice (mm)	3	4.5
Flow factor (kv) (L / min)	4	7
Port size	1/8”	1/4"
Operating pressure range (bar)	2-10	
Temperature range (°C)	-20 to 80	
Response time at 5 bar	On time 20 ms, Off time 22 ms	
Manual override type	Screw driver type	
Operating voltage	AC : 110, 220 (50Hz)	
DC : 12, 24, 48	NBR	
Duty cycle	Continuous	
Coil insulation class	F	
Valve body MOC	Aluminium	
Seals MOC	NBR	
Coil temperature range	-10 to 50 °C	
Valve body temperature range	-10 to 70 °C	

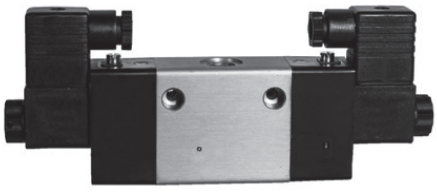
Dimensional drawings with symbol

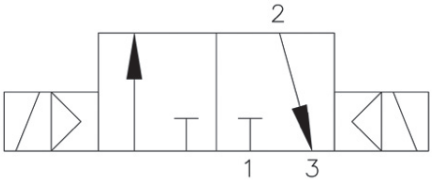


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3/2 spool type solenoid valve - double coil

Model No: DSQ114 / DSQ214





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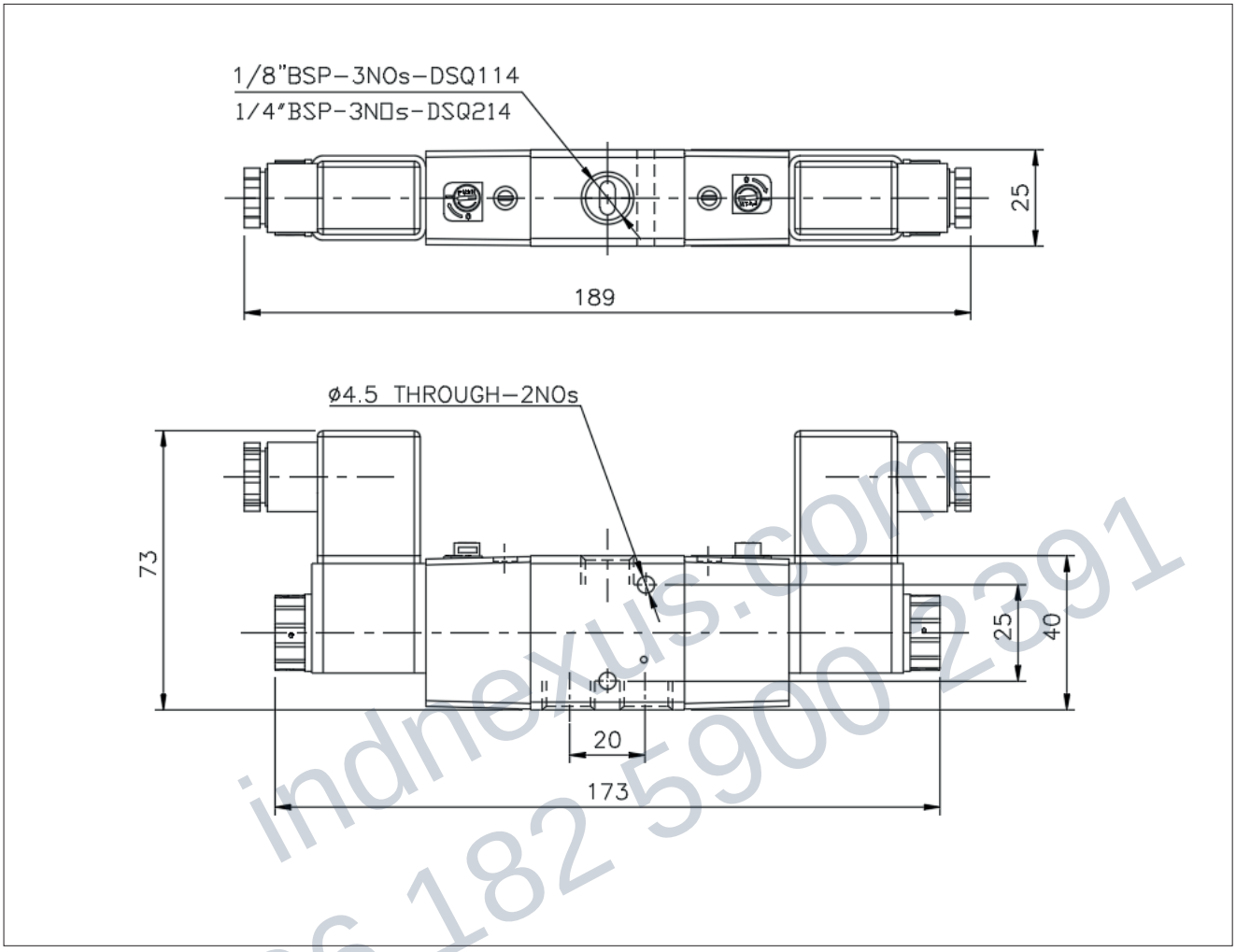
Features

- Mounts in any position
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type

Technical specification

Model	DSQ114	DSQ214
Type	3/2 way spool design, Double coil, direction control valve	
Media	Compressed air, 25 µm, Filtered, lubricated or unlubricated	
Mounting	Through holes in housing, also suitable for mounting on manifold	
Orifice (mm)	3	4.5
Flow factor (kv) (L / min)	4	7
Port size	1/8”	1/4"
Operating pressure range (bar)	2-10	
Temperature range (°C)	-20 to 80	
Response time at 5 bar	On time 20 ms, Off time 22 ms	
Manual override type	Screw driver type	
Operating voltage	AC : 110, 220 (50Hz)	
DC : 12, 24, 48	NBR	
Duty cycle	Continuous	
Coil insulation class	F	
Valve body MOC	Aluminium	
Seals MOC	NBR	
Coil temperature range	-10 to 50 °C	
Valve body temperature range	-10 to 70 °C	

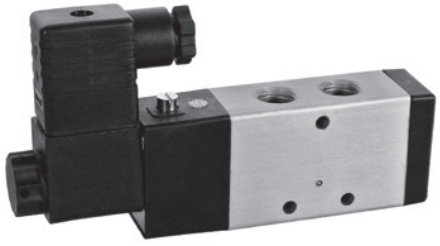
Dimensional drawings with symbol

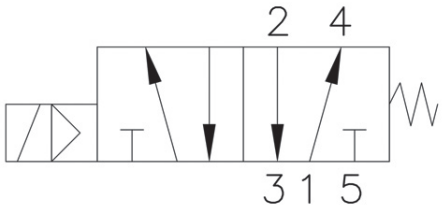


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5/2 spool type solenoid valve - single coil

Model No: VSQ113 / VSQ213





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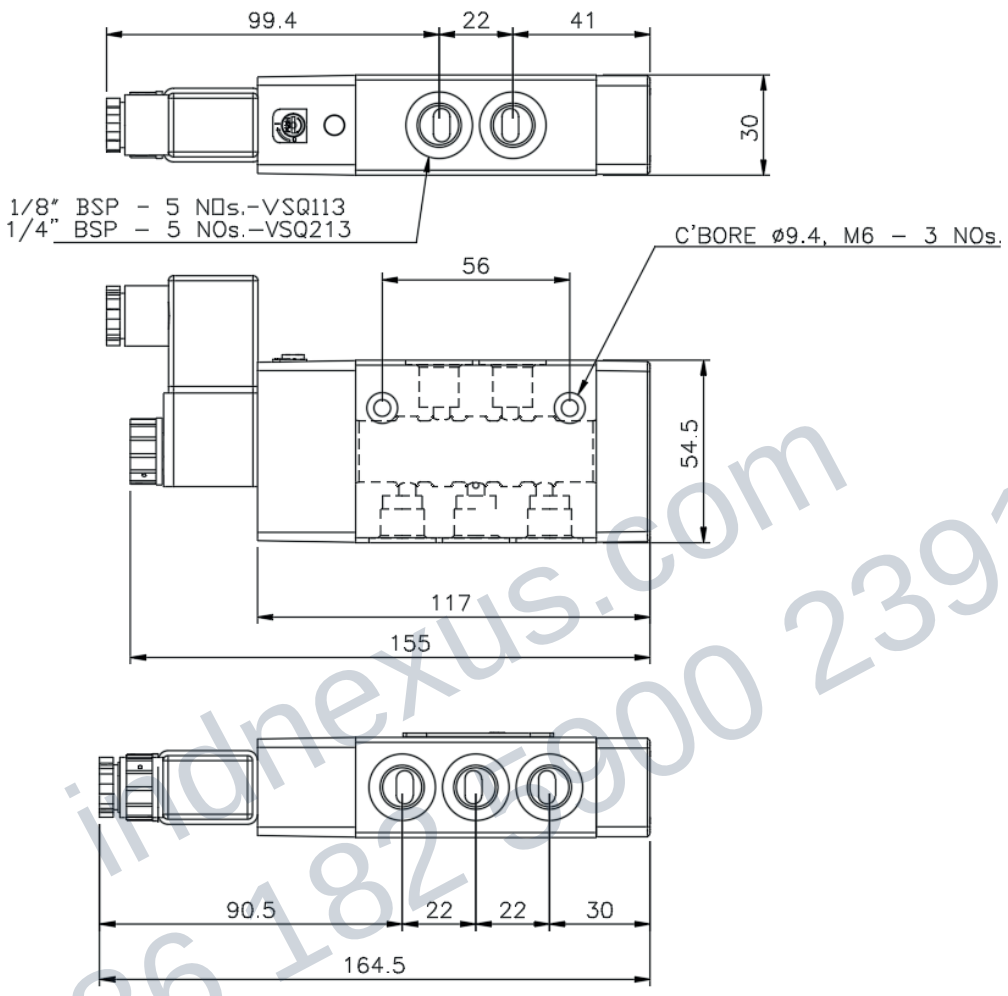
Features

- Mounts in any position
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type

Technical specification

Model	VSQ113	VSQ213
Type	5/2-way spool design, single coil, spring return direction control valve	
Media	Compressed air, 25 µm, Filtered, lubricated or unlubricated	
Mounting	Through holes in housing, also suitable for mounting on manifold	
Orifice (mm)	3	4.5
Flow Factor (kv) (L / min)	4	7
Port size	1/8”	1/4"
Operating pressure range (bar)	2-10	
Temperature range (°C)	-20 to 80	
Response time at 5 bar	On time 20 ms, Off time 22 ms	
Manual override type	Screw driver type	
Operating voltage	AC : 110, 220 (50Hz)	
DC : 12, 24, 48	NBR	
Duty cycle	Continuous	
Coil insulation class	F	
Valve body MOC	Aluminium	
Seals MOC	NBR	
Coil temperature range	-10 to 50 °C	
Valve body temperature range	-10 to 70 °C	

Dimensional drawings with symbol

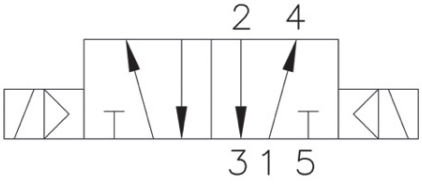


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5/2 spool type solenoid valve - double coil

Model No: VSQ114 / VSQ214





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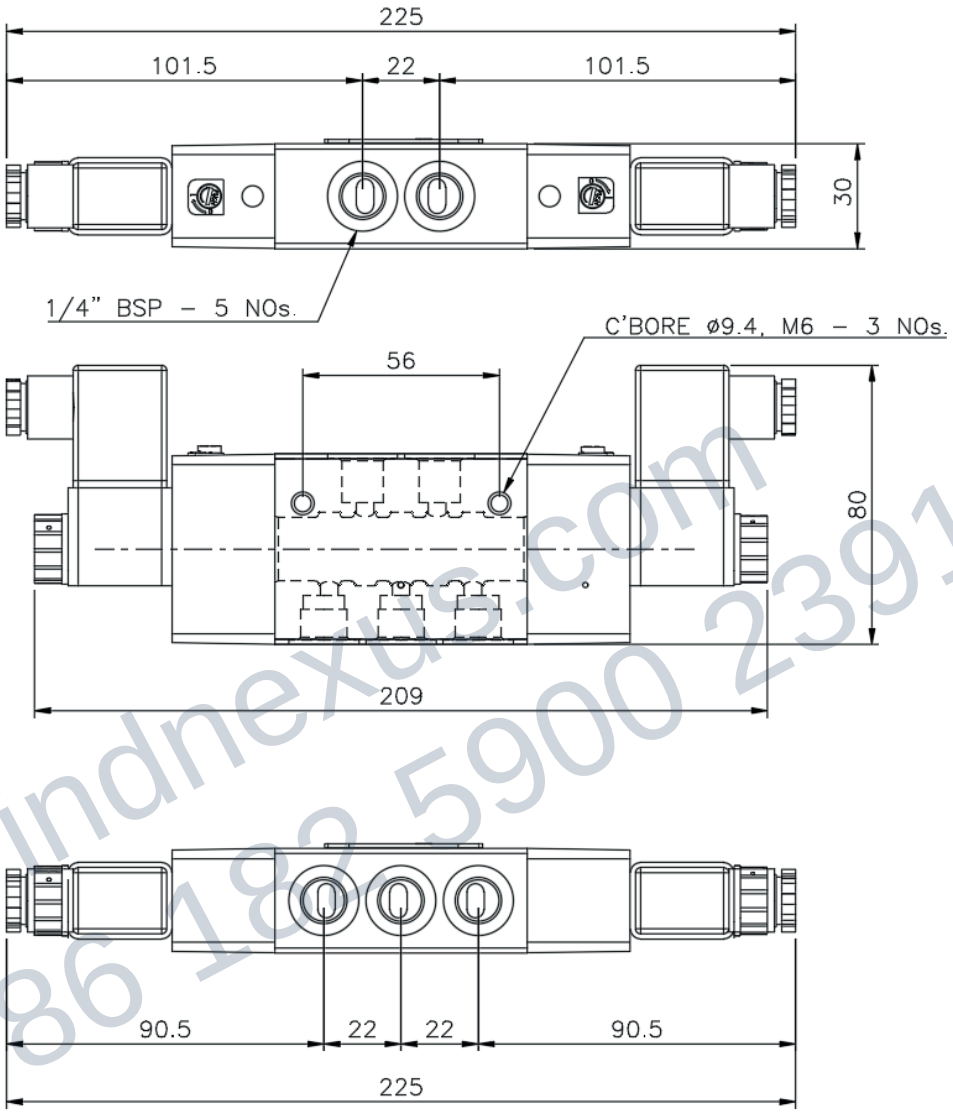
Features

- Mounts in any position
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type

Technical specification

Model	VSQ114	VSQ214
Type	5/2 way spool design, Double coil, direction control valve	
Media	Compressed air, 25 µm, Filtered, lubricated or unlubricated	
Mounting	Through holes in housing, also suitable for mounting on manifold	
Orifice (mm)	3	4.5
Flow factor (kv) (L / min)	4	7
Port size	1/8”	1/4"
Operating pressure range (bar)	2-10	
Temperature range (°C)	-20 to 80	
Response time at 5 bar	On time 20 ms, Off time 22 ms	
Manual override type	Screw driver type	
Operating voltage	AC : 110, 220 (50Hz)	
DC : 12, 24, 48	NBR	
Duty cycle	Continuous	
Coil insulation class	F	
Valve body MOC	Aluminium	
Seals MOC	NBR	
Coil temperature range	-10 to 50 °C	
Valve body temperature range	-10 to 70 °C	

Dimensional drawings with symbol



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Type code

Valve type	Code	Port size	Code	Operator	Code	Port thread type	Code	Coil voltage
3/2 way	DSQ	1/8"	1	Single coil solenoid valve	13	BSP	G	12, 24, 48 VDC 220 VAC-50 Hz 110 VAC-50Hz
		1/4"	2	Double coil solenoid valve	14	NPT	R	
5/2 way	VSQ	1/8"	1	Single coil solenoid valve	13	BSP	G	12, 24, 48 VDC 220 VAC-50 Hz 110 VAC-50Hz
		1/4"	2	Double coil solenoid valve	14	NPT	R	

How to order

1	2	3	4	5	6	7
DSQ	2	13	G	0	0	01D0

1	Valve type
DSQ	3/2 way
VSQ	5/2 way

2	Port size
1	1/8”
2	1/4”

3	Operator
13	Single coil solenoid valve
14	Double coil solenoid valve

4	Port thread type
G	BSP
R	NPT

5	Body material
0	Aluminium
1	SS316

6	Seal material
0	NBR
1	VITON

7	Coil Voltage, Amisco
01D0	12VDC
02D0	24VDC
03D0	48VDC
04D0	110VDC
05D0	220VDC
01A0	24VAC
02A0	48VAC
03A0	110VAC
04A0	220VAC
11AL	110VAC-LED
12AL	220VAC-LED
13AL	24VAC-LED
11DL	24VDC-LED

7	Coil Voltage, Nass Magnet
01DN	12VDC
02DN	24VDC
03DN	48VDC
04DN	110VDC
05DN	220VDC
01AN	24VAC
02AN	48VAC
03AN	110VAC
04AN	220VAC
11ALN	110VAC-LED
12ALN	220VAC-LED
13ALN	24VAC-LED
11DLN	24VDC-LED

ORDERING EXAMPLE:

1. DSQ-2-13-G-0-0-01D0.This is a 3/2 position single coil solenoid valve with port size of 1/4” BSP Connection with Aluminium body having NBR seal and coil voltage of 12VDC.
2. VSQ-2-13-G-0-0-01D0.This is a 5/2 position single coil solenoid valve with port size of 1/4” BSP Connection with Aluminium body having NBR seal and coil voltage of 12VDC.

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