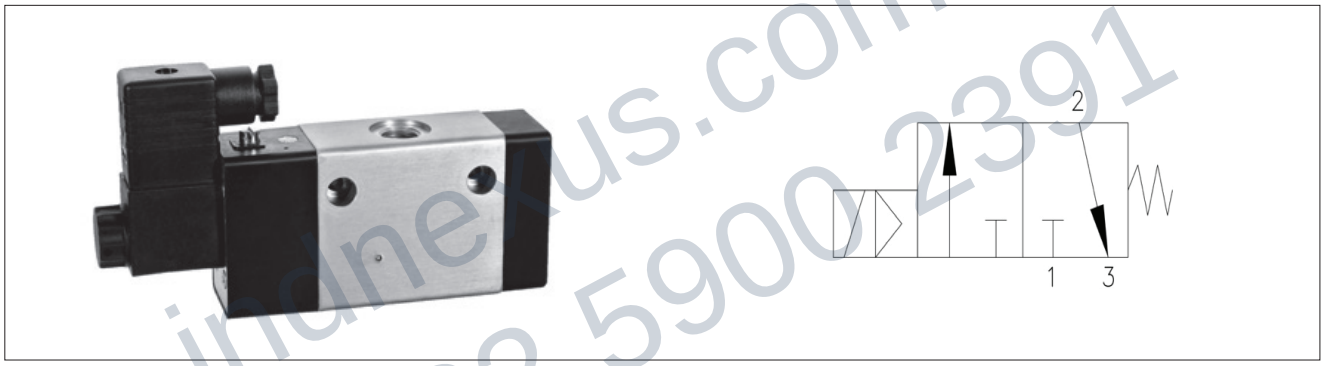
Neles Easyflow™ high capacity solenoid valves

Series DAQ and VAQ

3/2 way solenoid valve

Model no. DAQ213 / DAQ313 / DAQ413



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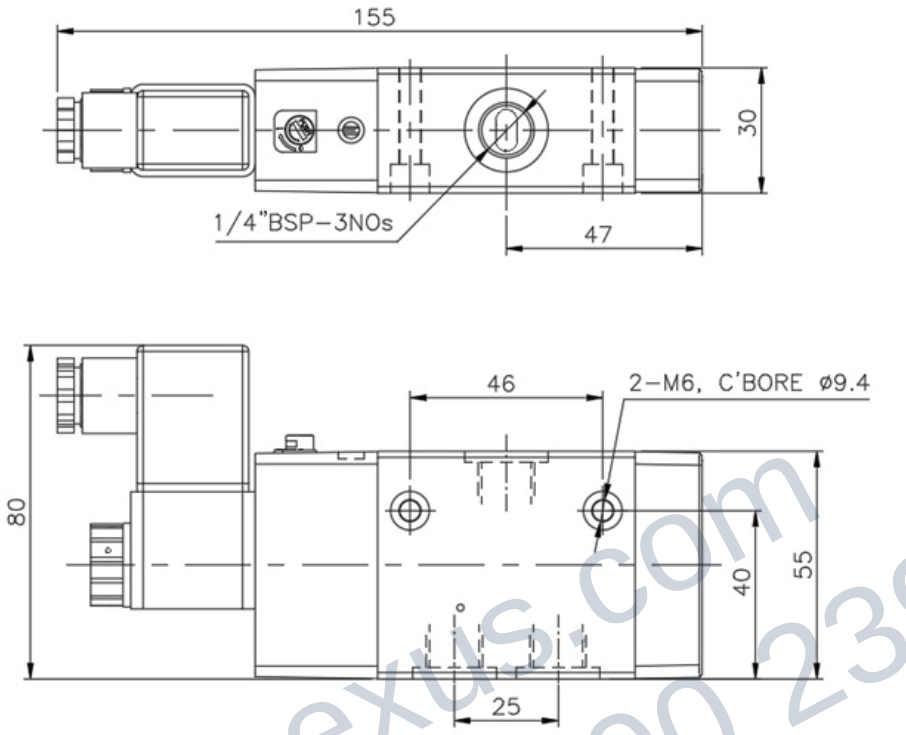
Features

- Mounts in any position
- High flow solenoid valves
- Helping piston improves valves performance & reliability
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type
- Spring & air return ensures healthy valve operation in case of spring failure also

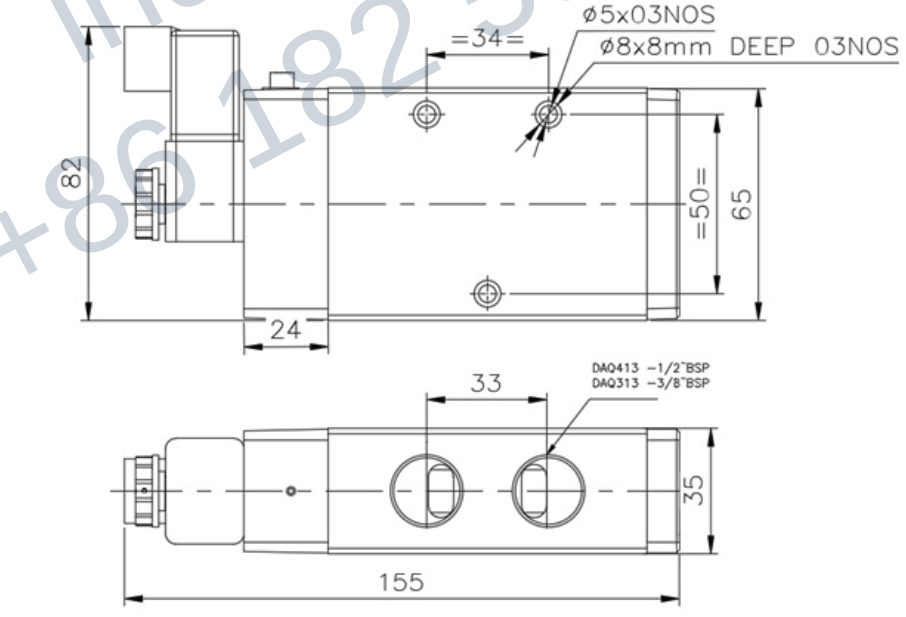
Technical specification

Model	DAQ213	DAQ313	DAQ413
Type	3/2 way spool design, single coil, spring & air 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)	6.7	10	10
Flow factor (kv) (L/min)	15	38	38
Port size	1/4"	3/8"	1/2"
Operating pressure range (bar)	3-10		
Temperature range (°C)	-10 to 70		
Response time at 5 bar	On time 28 ms, Off time 36 ms	On time 32 ms, Off time 48 ms	
Manual override type	Push type & rotate to lock		
Operating voltage	AC (50 Hz) – 110, 220	DC – 12, 24, 48	
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



DAQ213

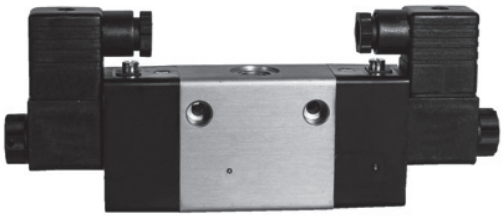


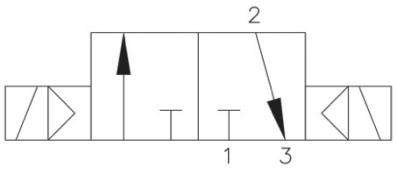
DAQ313 and DAQ413

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3/2 way solenoid valve

Model no. DAQ214 / DAQ314 / DAQ414





Features

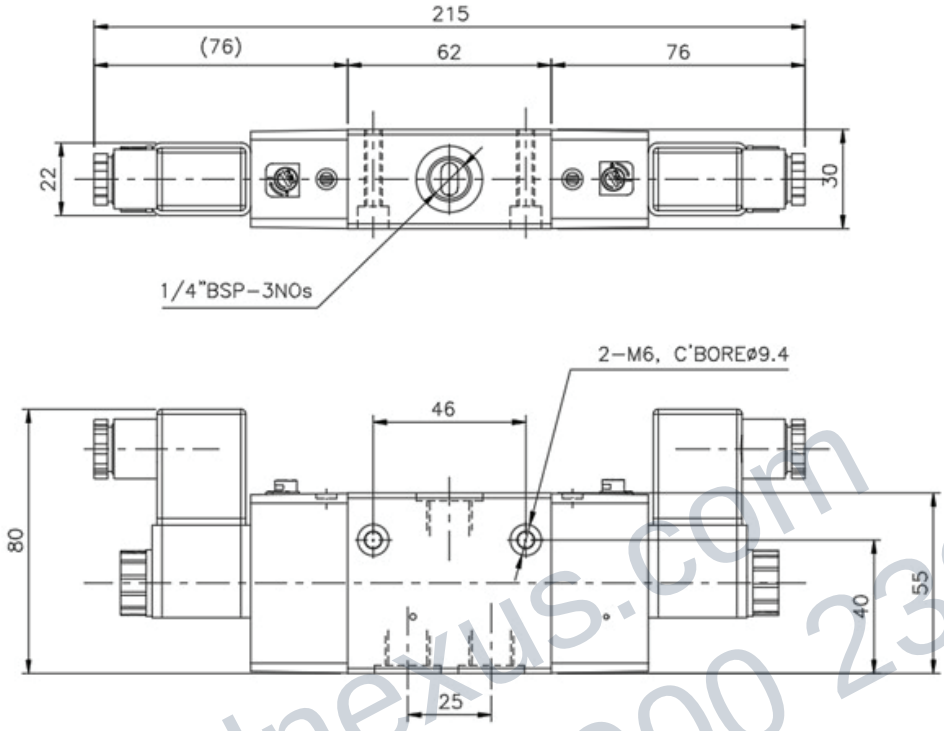
- Mounts in any position
- High flow solenoid valves.
- Helping piston improves valves performance & reliability
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type

Technical specification

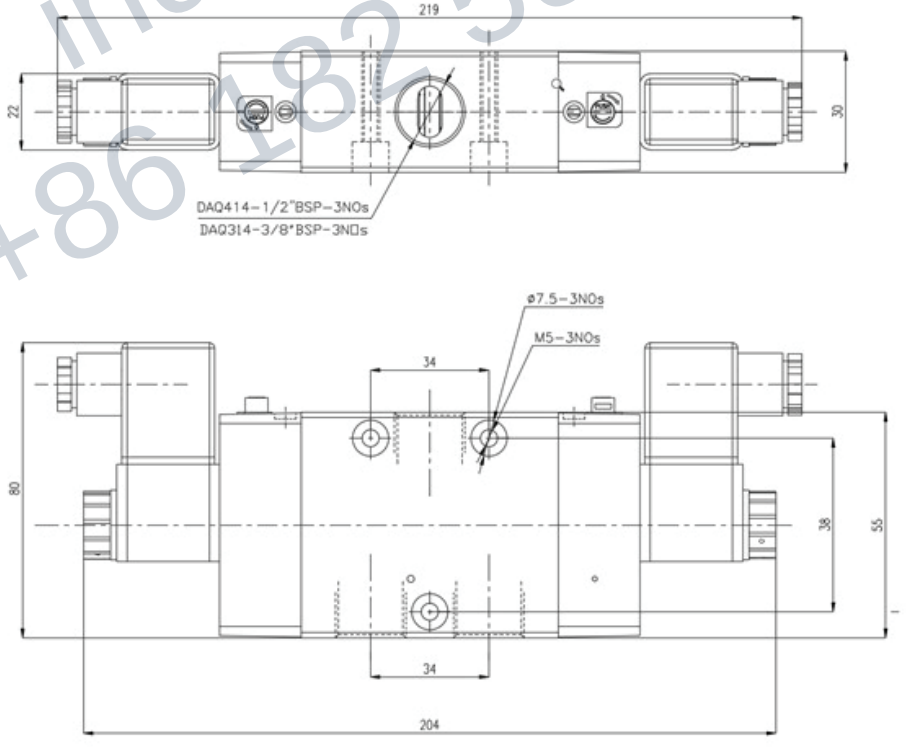
Model	DAQ214	DAQ314	DAQ414
Type	3/2 way spool design, double coil, direction control valve		
Media	Compressed air, 25 µm. Filtered, lubricated or unlubricated		
Mounting	Through holes in housing, also suitable for mounting on manifold		
Orifice (mm)	6.7	10	10
Flow factor (kv)	15	38	38
Port size	1/4"	3/8"	1/2"
Operating pressure range (bar)	3-10		
Temperature range (°C)	-10 to 70		
Response time at 5 bar	On time 28 ms, Off time 36 ms	On time 32 ms, Off time 48 ms	
Manual override type	Push type & rotate to lock		
Operating voltage	AC (50 Hz) – 110, 220	DC – 12, 24, 48	
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		

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Dimensional drawings



DAQ214

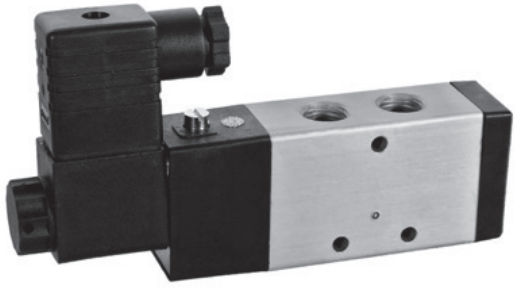


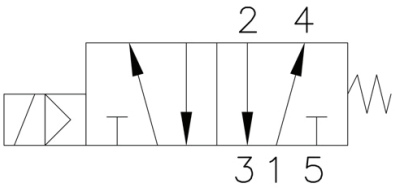
DAQ314 and DAQ414

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5/2 way solenoid valve

Model no. VAQ213 / VAQ313 / VAQ413





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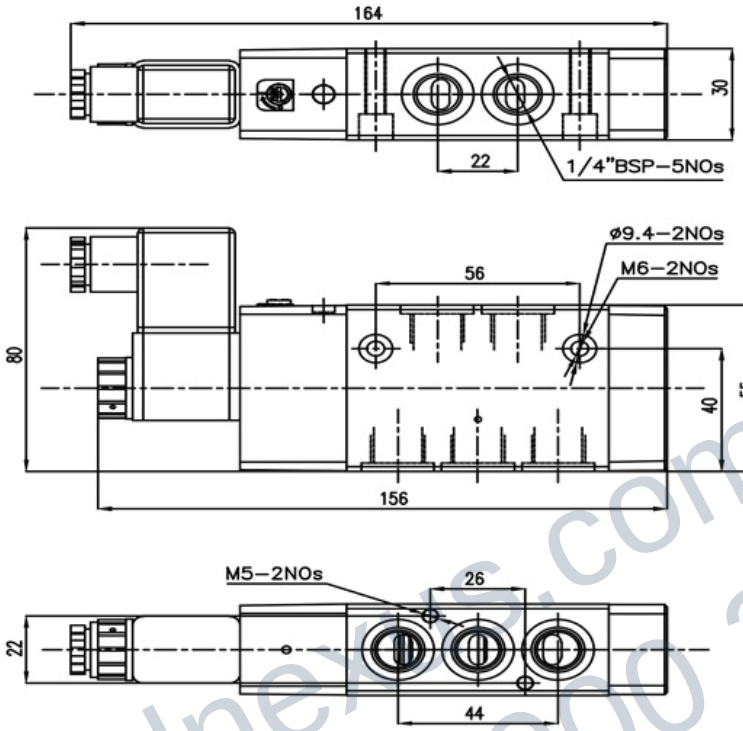
Features

- Mounts in any position
- High flow solenoid valves
- Helping piston improves valves performance & reliability
- Solenoid capable of turning 360°
- Solenoid continuous duty rated
- Noiseless performance
- Available in BSP & NPT port thread type
- Spring & air return ensures healthy valve operation in case of spring failure also

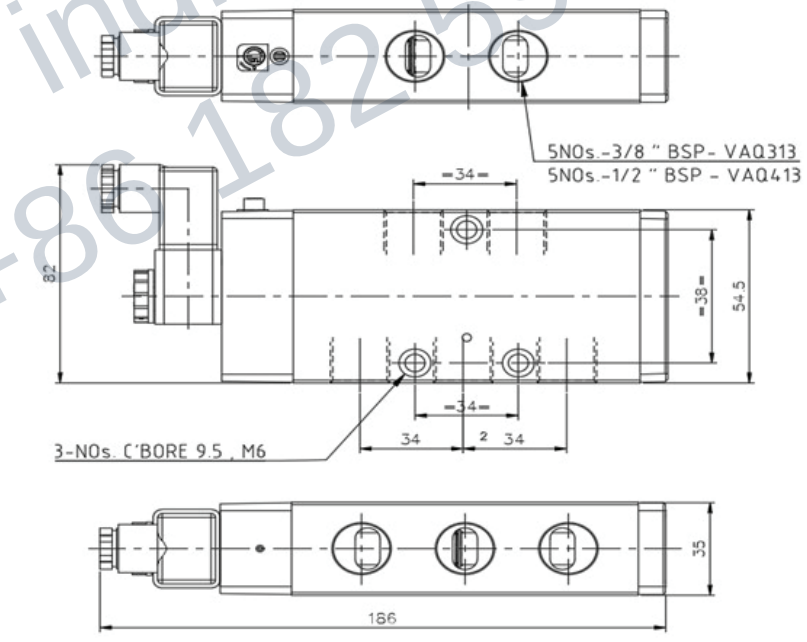
Technical specification

Model	VAQ213	VAQ313	VAQ413
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)	6.7	10	10
Flow factor (kv)	15	38	38
Port size	1/4"	3/8"	1/2"
Operating pressure range (bar)	3-10		
Temperature range (°C)	-10 to 70		
Response time at 5 bar	On time 28 ms, Off time 36 ms	On time 32 ms, Off time 48 ms	
Manual override type	Push type & rotate to lock		
Operating voltage	AC (50 Hz) – 110, 220	DC – 12, 24, 48	
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



VAQ213

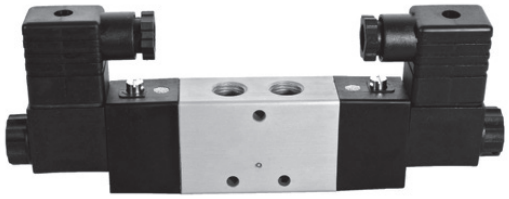


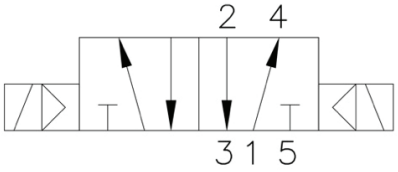
VAQ313 and VAQ413

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5/2 way solenoid valve

Model no. VAQ214 / VAQ314 / VAQ414





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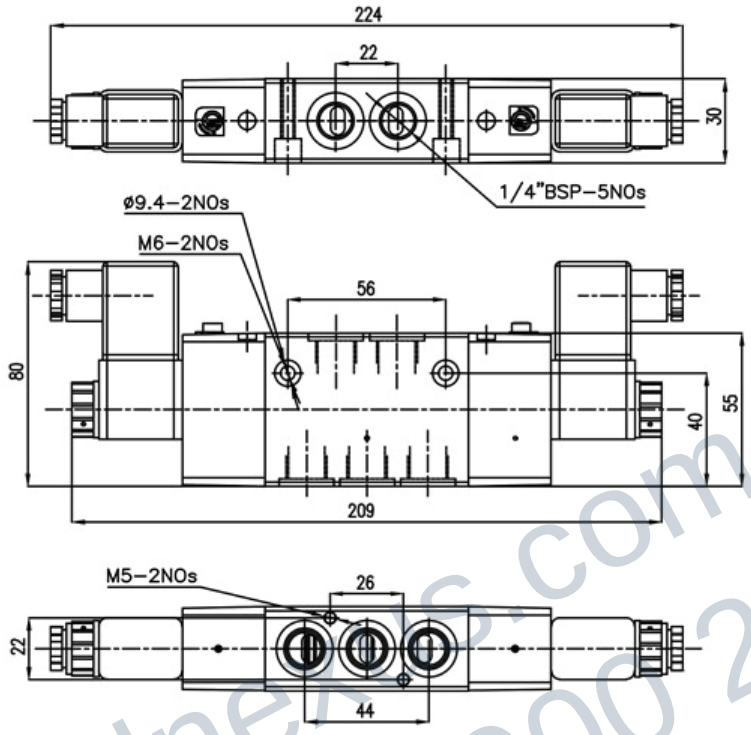
Features

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

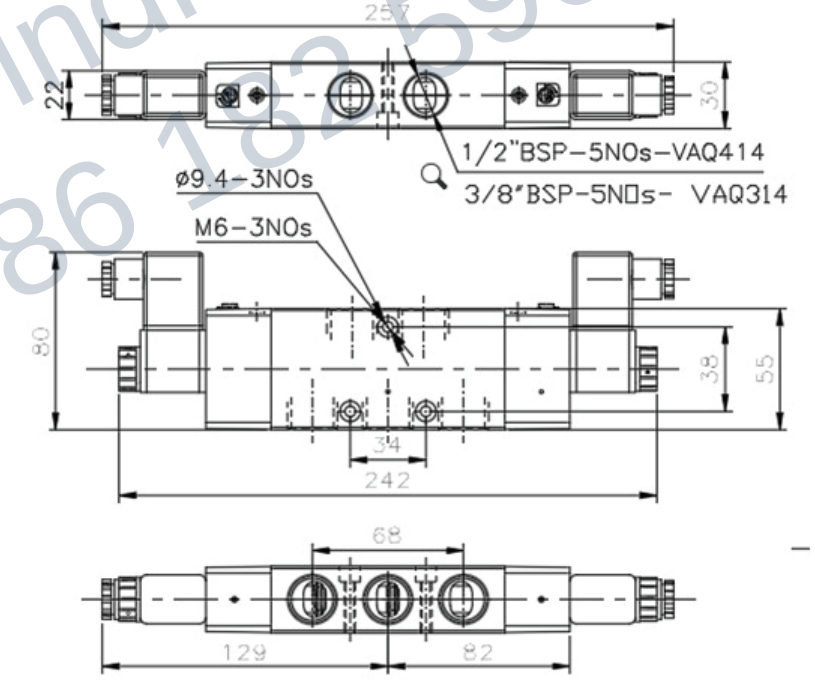
Technical specification

Model	VAQ214	VAQ314	VAQ414
Type	5/2 way spool design, single coil, spring & air 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)	6.7	10	10
Flow factor (kv)	15	38	38
Port size	1/4"	3/8"	1/2"
Operating pressure range (bar)	3-10		
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Manual override type	Push type & rotate to lock		
Operating voltage	AC (50 Hz) – 110, 220	DC – 12, 24, 48	
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



VAQ214



VAQ314 and VAQ414

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How to order

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

1.	Valve type
DAQ	3/2 way
VAQ	5/2 way

2.	Port size
2	1/4"
3	3/8"
4	1/2"

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. DAQ-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. VAQ-2-13-G-0-0-01A0.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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