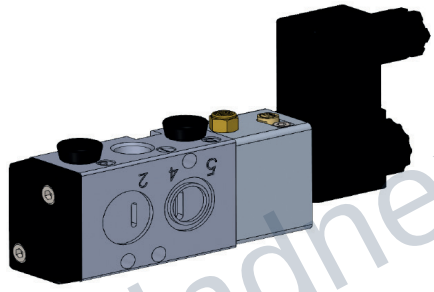
Neles Easyflow™ Namur solenoid valves

Series VAQNC version 2

5/2 and 3/2 way convertible solenoid operated direction control spool valve

Model No. VAQNC-113/213





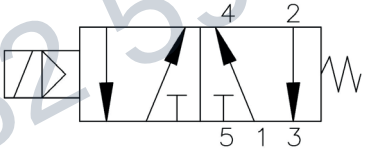


Figure 1



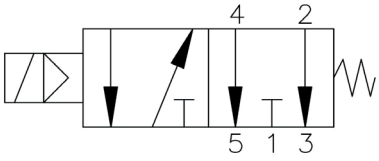


Figure 2

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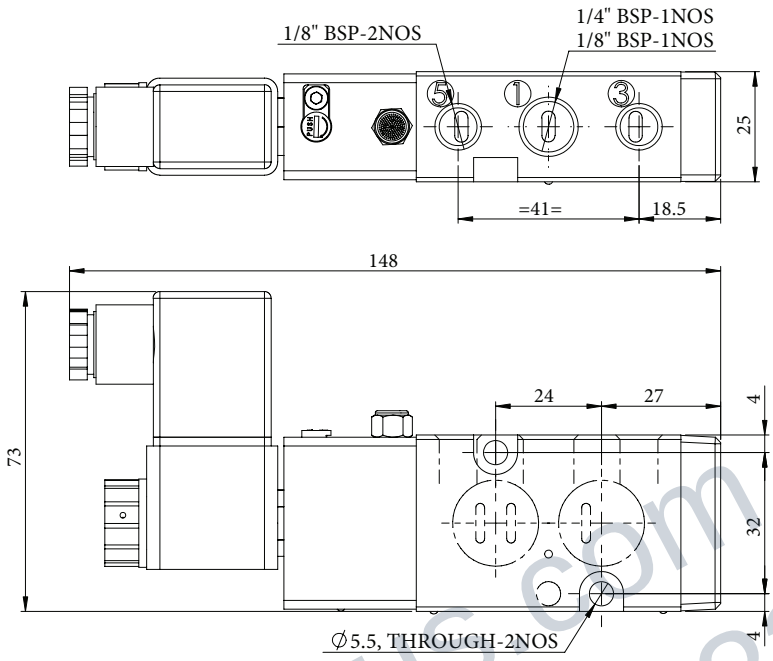
Features

- Manual override with lock facility
- Corrosion resistant anodized aluminium
- All voltage rating available
- Long lasting PTFE seals
- Cover can be turned 180°C to change position of the manual override
- IP certified valves
- Exd certified coil
- Exia certified Coils

Technical specification

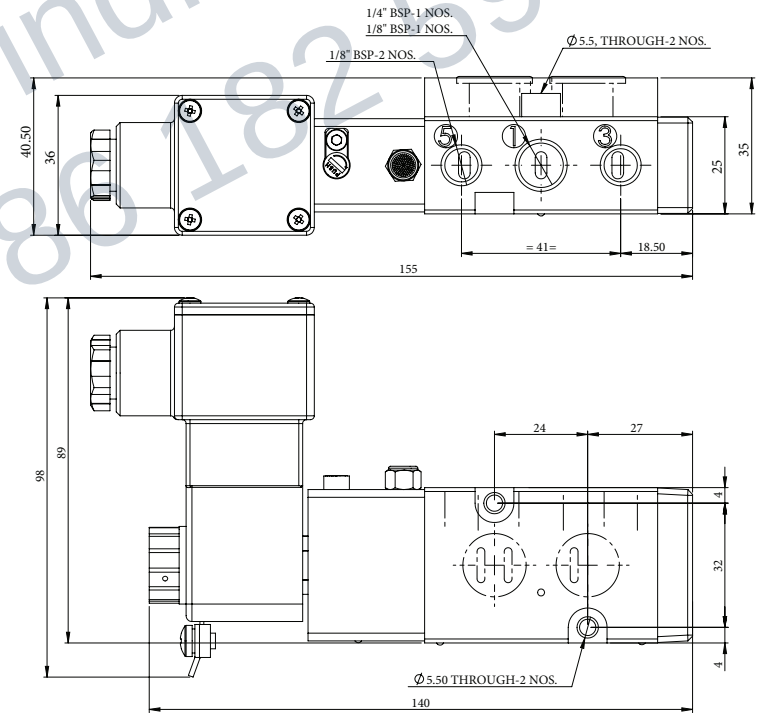
Media	Compressed air, 50 µm. Filtered, lubricated or unlubricated
Type	5/2 and 3/2 way convertible solenoid operated direction control spool valve
Mounting	NAMUR
Orifice	5.3 mm
Flow factor (kv)	18 liters/min
Flow rate (Qn)	800 liters/min
Port size	1/8" and 1/4"
Operating pressure range	2-10 bar
Temperature range (°C)	-20 to 80
Response time at 5 bar	on time 32 msec and off time 48 msec
Manual override type	Push type & rotate to lock
Operating voltage	AC : 110, 220 (50Hz)
DC : 12, 24, 48	Continuous
Duty cycle	Continuous
Coil insulation class	F
Valve body MOC	Aluminium
Seals MOC	NBR
Coil	Exd / Weatherproof IP / Exia
Coil temperature range	-10 to 50 °C
Valve body temperature range	-10 to 70 °C

Dimensional drawings



VAQNC 113/213

Dimension drawings with Exd coils

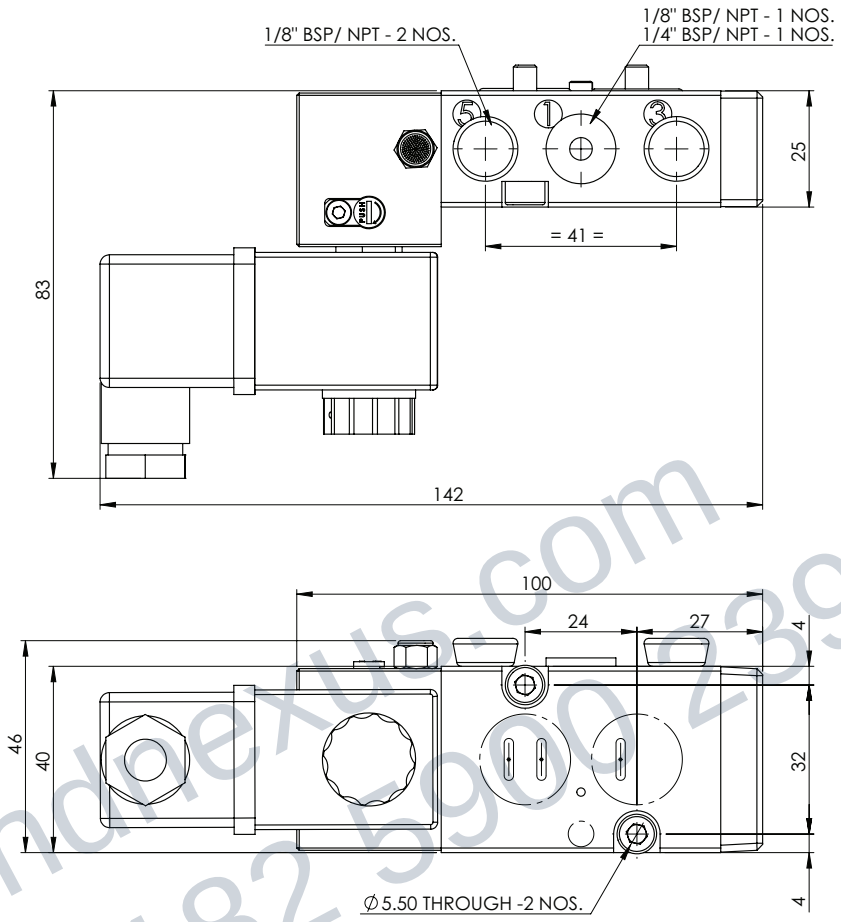


VAQNC 113/213

Figure 3 VAQNC113/213

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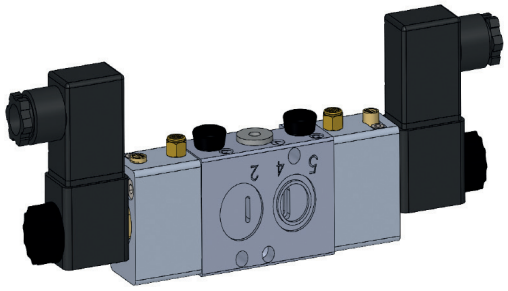
Dimension drawings with Exia Nass Magnet Coils

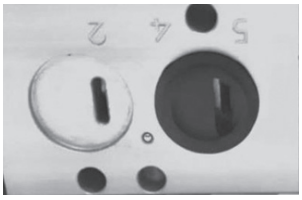


VAQNC 113/213 SERIES

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Model No. VAQNC-114/214







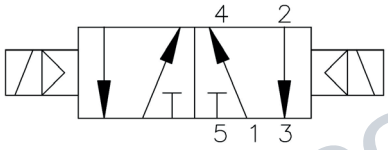


Figure 4

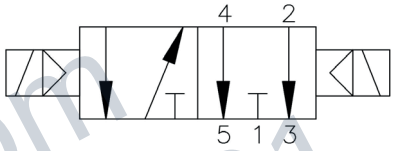


Figure 5

Features

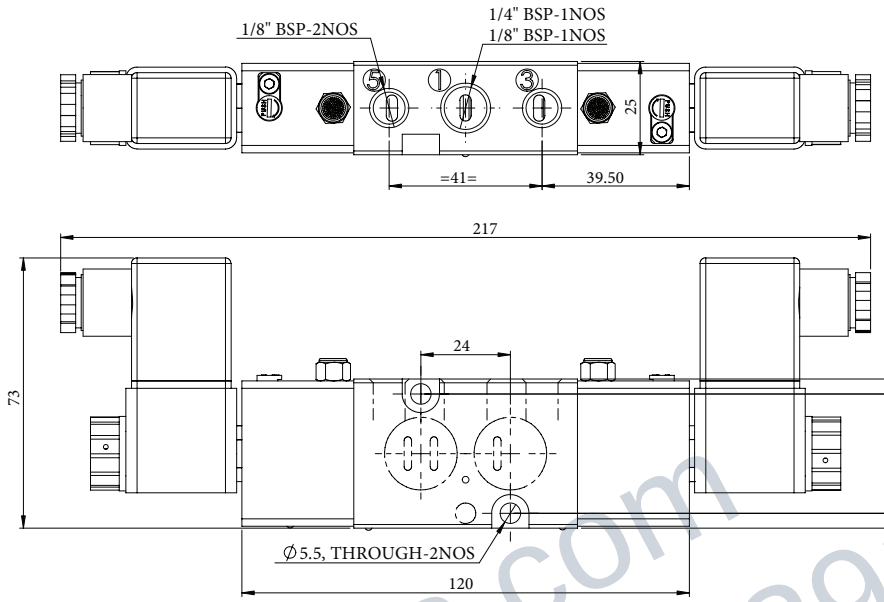
- Manual override with lock facility
- Corrosion resistant anodized aluminium
- All voltage rating available
- Long lasting PTFE seals
- Cover can be turned 180°C to change position of the manual override
- IP certified valves
- Exd certified coils
- Exia certified Coil

Technical specification

Media	Compressed air, 50 µm. Filtered, lubricated or unlubricated
Type	5/2 and 3/2 way convertible solenoid operated direction control spool valve direction control valve
Mounting	NAMUR
Orifice	5.3 mm
Flow factor (kv)	18 liters/min
Flow rate (Qn)	800 liters/min
Port size	1/8" and 1/4"
Operating pressure range	2-10 bar
Temperature range (°C)	-20 to 80
Response time at 5 bar	on time 32 msec and off time 48 msec
Manual override type	Push type & rotate to lock
Operating voltage	AC : 110, 220 (50Hz)
DC : 12, 24, 48	Continuous
Duty cycle	Continuous
Coil insulation class	F
Valve body MOC	Aluminium
Seals MOC	NBR
Coil	Exd / Weatherproof IP / Exia
Coil temperature range	-10 to 50 °C
Valve body temperature range	-10 to 70 °C

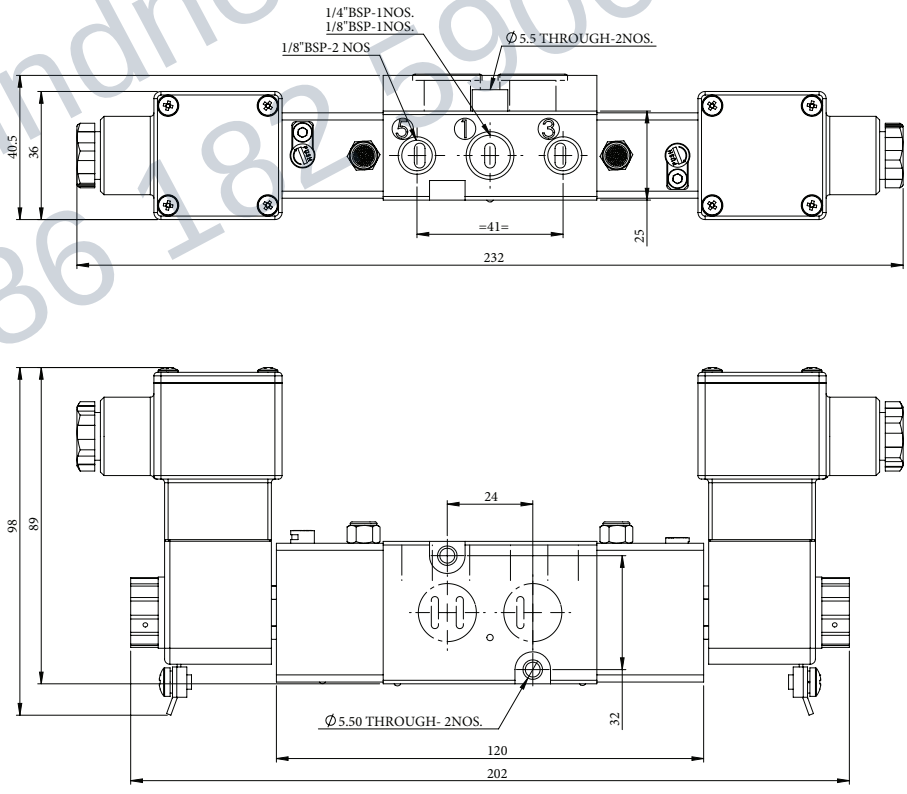
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Dimensional drawings



VAQNC 114/214

Dimension drawings with Exd coils

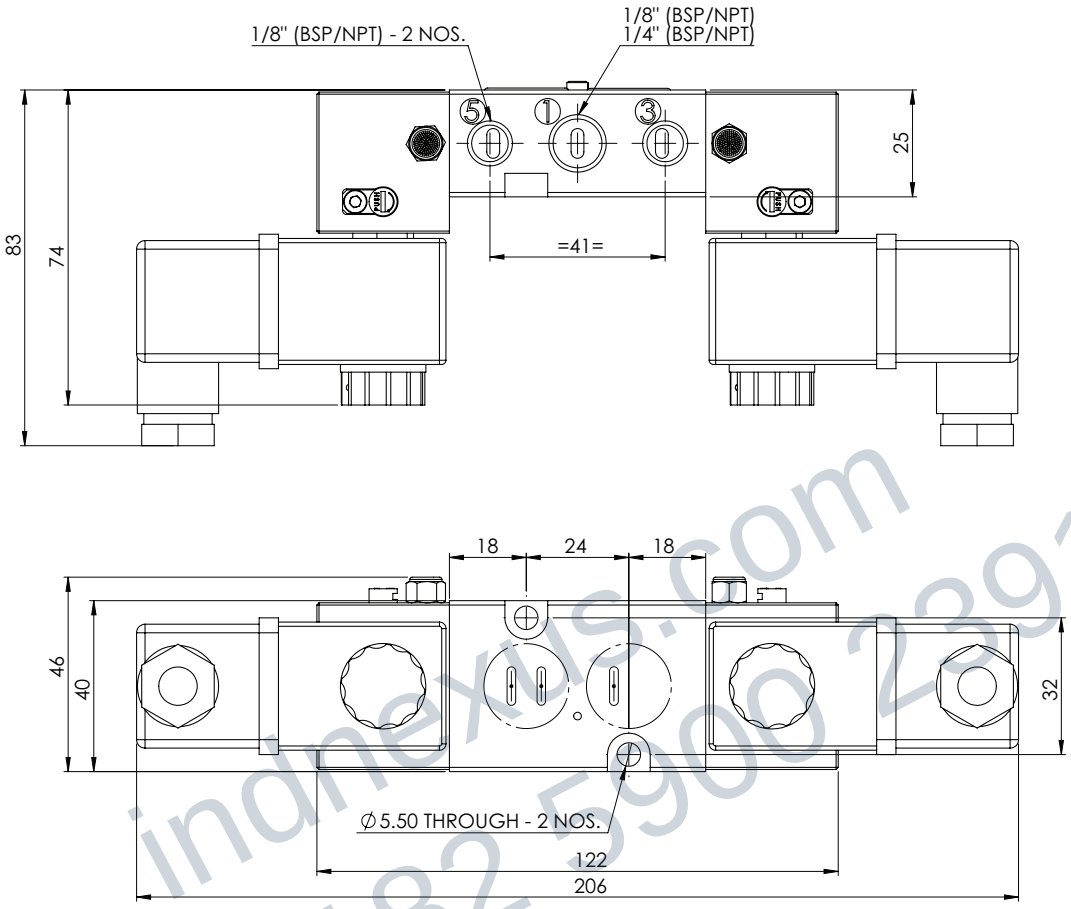


VAQNC 114/214

Figure 6 VAQNC114/214

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Dimension drawings with Exia Nass Magnet Coils



VAQNC114/ 214 SERIES

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HOW TO ORDER NEED TO BE UPDATED ACCORDING TO NEW S389

How to order

1	2	3	4	5	6	7	8	9
VAQNC	1	13	G	0	0	01D0	P1	NN

1.	Valve type
VAQNC	5/2 way
VAQNC	5/2 way

2.	Port size
1	1/8”
2	1/4”

3.	Operator
13	Single coil
14	Double coil

4.	Port connection
G	BSP
R	NPT

5.	Body and spool material
0	Aluminium
1	SS316

6.	Seals
0	NBR
1	VITON

7.	Coil voltage
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

8.	Protection
P1	IP66/67
P2	IP65 Only applicable with sign 9 EXI

9.	Certification
NN	NILL
EN	Exd certification for coils - only applicable with sign 7. (12, 24, 48VDC), (24, 48, 110, 220, 230VAC) – only sing 8. IP 66 applicable, only applicable with 6. sign NBR
EXI	Exia CERTIFICATION FOR COIL (WITH 24 VDC)- Only applicable with sign 8 P2 , Only applicable with 6 sign NBR and not Applicable with Sign 3 5/3 Way valves 15-55-75

ORDERING EXAMPLE:

1. VAQNC-1-13-G-0-0-01D0-P1-NN.This is a 5/2 position single coil Namur mounted solenoid valve with port size of 1/8” BSP Connection with Aluminium body having NBR seal and coil voltage of 12VDC,IP Certified valve

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Valmet Flow Control Private Limited
Plot no:560 Manpada Road
Dombivli East, Maharashtra 421204
www.valmet.com/flowcontrol

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