



Series 515

General

NAMUR valves are 5/2 and 4/2 valves and electrovalves, piloted electrically or pneumatically, utilised primarily to operate rotary actuators and wherever there is a NAMUR standard installation plan.

The product is classified for use in potentially explosive atmospheres (Directive 2014/34/EU).

NAMUR valves have been developed using the latest, technical design solutions which guarantee flexibility and an increased flow rate capacity exceeding that of traditional, spool valves.

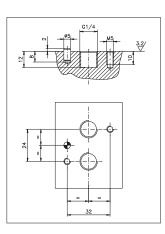
In addition, they have been produced with innovative materials which guarantee increased performance.

IMPORTANT:

Differs from version 514 because it is supplied without a plate.

"NAMUR" interface dimensions: according to standard (VDI/VDE 3847 July 2003)





Construction characteristics

| Body | Aluminium |
|----------------------|-------------------------------------|
| Body Spacer | Technopolymer |
| Seals | Nitrile rubber |
| Springs | Stainless Steel |
| Springs Operators | Technopolymer |
| Spools | Steel |
| Screws | Zinc coated Steel / Stainless steel |

Overall dimensions and technical information are provided solely for informative purposes and may be modified without notice

Certifications available:

SOLENOID VALVES WITH XMB OR XMC 3GD COIL

C€ ⁽⁽) II 3G Ex h IIB T4 Gc X C€ ⁽() II 3D Ex h IIIC T120°C Dc X IP65

MECHANICAL AND PNEUMATIC VALVES WITHOUT COILS



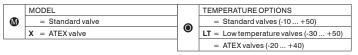
. C€ ⓑ II 2G Ex h IIB T5 Gc X C€ ⓑ II 2D Ex h IIIC T96℃ Dc X IP65



Pneumatic - Differential

| Operational characteristics | | | |
|---|--|--|--|
| Fluid | Filtered air. No lubrication needed, if applied it shall be continuous | | |
| Max working pressure (bar) | 10 | | |
| Temperature °C | Standard valves (-10 +50) Low temperature valves (-30 +50) ATEX valves (-20 +40) | | |
| Flow rate at 6 bar with $\Delta p=1$ (NI/min) | 1100 | | |
| Orifice size (mm) | 8 | | |
| Working ports size | G 1/4" | | |

Coding: **@**515.52.00.16**@**





Weight 245 g Minimum pilot pressure 2,5 bar Maximum fitting torque 9 N/m

Pneumatic - Pneumatic

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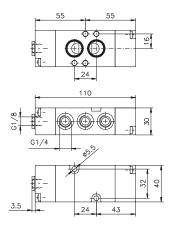
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| Operational characteristics | | | |
|---|--|--|--|
| Fluid | Filtered air. No lubrication needed, if applied it shall be continuous | | |
| Max working pressure (bar) | 10 | | |
| Temperature °C | Standard valves (-10 +50) Low temperature valves (-30 +50) ATEX valves (-20 +40) | | |
| Flow rate at 6 bar with $\Delta p=1$ (NI/min) | 1100 | | |
| Orifice size (mm) | 8 | | |
| Working ports size | G 1/4" | | |

| | MODEL | TEMPERATURE OPTIONS |
|---|------------------|---------------------------------------|
| M | = Standard valve | = Standard valves (-10 +50) |
| | X = ATEX valve | LT = Low temperature valves (-30 +50) |
| | | = ATEX valves (-20 +40) |



Weight 245 g Minimum pilot pressure 2,5 bar Maximum fitting torque 9 N/m







Pneumatic - Spring

| Operational characteristics | | |
|---|--|--|
| Fluid | Filtered air. No lubrication needed, if applied it shall be continuous | |
| Max working pressure (bar) | 10 | |
| Temperature °C | Standard valves (-10 +50) Low temperature valves (-30 +50) ATEX valves (-20 +40) | |
| Flow rate at 6 bar with $\Delta p=1$ (NI/min) | 1100 | |
| Orifice size (mm) | 8 | |
| Working ports size | G 1/4" | |

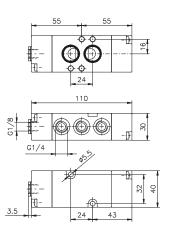
Coding: **@**515.52.00.19**@**

| | MODEL | | TEMPERATURE OPTIONS | |
|---|------------------|--|---------------------------------------|--|
| M | = Standard valve | | = Standard valves (-10 +50) | |
| - | X = ATEX valve | | LT = Low temperature valves (-30 +50) | |
| | | | = ATEX valves (-20 +40) | |

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Weight 245 g Minimum pilot pressure 2,5 bar Maximum fitting torque 9 N/m





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Solenoid-Solenoid

| Operat | ional characteristics | | MODEL | - |
|---|---|---|--------|--------------|
| Fluid | Filtered air. No lubrication needed, if applied it shall be | | = Sta | andard valve |
| | continuous | | X = AT | EXvalve |
| Max working pressure (bar) | 10 | | VOLTAG | E |
| | Standard valves (-10 +50) | | B04 = | 12 VDC |
| Temperature °C | Low temperature valves (-30 +50) ATEX valves (-20 +40) | | B05 = | 24 VDC |
| Flow rate at 6 bar with $\Delta p = 1$ (NI/min) | 1100 | 1 | B09 = | 24 VDC (|
| Orifice size (mm) | 8 | 1 | B56 = | 24V (50- |
| Working ports size | G 1/4" | 1 | B57 = | 110V (50 |
| | | 1 | B58 = | 230 V (5 |
| | | | C04 = | 12 VDC |
| | | 0 | C05 = | 24 VDC |
| | | U | C09 = | 24 VDC (|
| | | | C56 = | 24 V (50- |
| | | | C57 = | 110 V (50 |
| | | | C58 = | 230 V (5 |
| | | | F04 = | 12 VDC |
| | | | F05 = | 24 VDC |
| | | | F56 = | 24 V (50- |
| | | | F57 = | 110 V (50 |
| | | 1 | | |



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230 V (50-60 Hz) 12 VDC 24 VDC 24 VDC (2W) 24 V (50-60 Hz) 110 V (50-60 Hz)

230 V (50-60 Hz) 12 VDC 24 VDC 24 V (50-60 Hz)

110 V (50-60 Hz)

230 V (50-60 Hz)

F58 =

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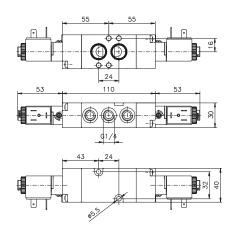
12 VDC 24 VDC 24 VDC (2W) 24V (50-60 Hz) 110V (50-60 Hz)

Coding:

LT = Low temperature valves (-30 ... +50) = ATEX valves (-20 ... +40)

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Weight 415 g Minimum pilot pressure 2,5 bar Maximum fitting torque 9 N/m



TEMPERATURE OPTIONS

= Standard valves (-10 ... +50)

LT = Low temperature valves (-30 ... +50) = ATEX valves (-20 ... +40)

Solenoid-Differential

| Operational characteristics | | |
|---|--|--|
| Fluid | Filtered air. No lubrication needed, if applied it shall be continuous | |
| Max working pressure (bar) | 10 | |
| Temperature °C | Standard valves (-10 +50) Low temperature valves (-30 +50) ATEX valves (-20 +40) | |
| Flow rate at 6 bar with $\Delta p=1$ (NI/min) | 1100 | |
| Orifice size (mm) | 8 | |
| Working ports size | G 1/4" | |

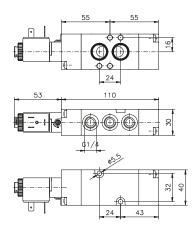
| | - | | | | |
|---|------------------------------------|---------|------------------|--|--|
| | MOD | EL- | | | |
| M | Standard valve | | | | |
| | X = | ATEX va | alve | | |
| | VOLT | AGE | | | |
| | B04 | = | 12 VDC | | |
| | B05 | = | 24 VDC | | |
| | B09 | = | 24 VDC (2W) | | |
| | B56 | = | 24V (50-60 Hz) | | |
| | B57 | = | 110V (50-60 Hz) | | |
| | B58 | = | 230 V (50-60 Hz) | | |
| | C04 | = | 12 VDC | | |
| • | C05 | = | 24 VDC | | |
| U | C09 | = | 24 VDC (2W) | | |
| | C56 | = | 24 V (50-60 Hz) | | |
| | C57 | = | 110 V (50-60 Hz) | | |
| | C58 | = | 230 V (50-60 Hz) | | |
| | F04 | = | 12 VDC | | |
| | F05 | = | 24 VDC | | |
| | F56 | = | 24 V (50-60 Hz) | | |
| | F57 | = | 110 V (50-60 Hz) | | |
| | F58 | = | 230 V (50-60 Hz) | | |
| | | | | | |

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Coding:

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Weight 330 g Minimum pilot pressure 2,5 bar Maximum fitting torque 9 N/m

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Solenoid - Spring

| | Filtered air. No lubrication needed, if applied it shall be |
|---|--|
| Fluid | continuous |
| Max working pressure (bar) | 10 |
| Temperature °C | Standard valves (-10 +50) Low temperature valves (-30 +50) ATEX valves (-20 +40) |
| Flow rate at 6 bar with $\Delta p=1$ (NI/min) | 1100 |
| Orifice size (mm) | 8 |
| Working ports size | G 1/4" |
| | |

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| _ | | | | | | |
|---|------------------|---------|------------------|--|--|--|
| | MODEL | | | | | |
| | = Standard valve | | | | | |
| | Χ = | ATEX va | alve | | | |
| | VOLT | AGE | | | | |
| | B04 | = | 12 VDC | | | |
| | B05 | = | 24 VDC | | | |
| | B09 | = | 24 VDC (2W) | | | |
| | B56 | = | 24V (50-60 Hz) | | | |
| | B57 | = | 110V (50-60 Hz) | | | |
| | B58 | = | 230 V (50-60 Hz) | | | |
| | C04 | = | 12 VDC | | | |
| | C05 | = | 24 VDC | | | |
| ' | C09 | = | 24 VDC (2W) | | | |
| | C56 | = | 24 V (50-60 Hz) | | | |
| | C57 | = | 110 V (50-60 Hz) | | | |
| | C58 | = | 230 V (50-60 Hz) | | | |
| | F04 | = | 12 VDC | | | |
| | F05 | = | 24 VDC | | | |
| | F56 | = | 24 V (50-60 Hz) | | | |
| | F57 | = | 110 V (50-60 Hz) | | | |
| | F58 | = | 230 V (50-60 Hz) | | | |
| | | | | | | |

 TEMPERATURE OPTIONS

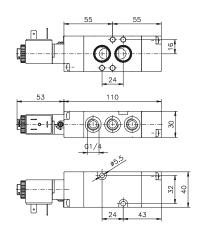
 = Standard valves (-10... +50)

 LT = Low temperature valves (-30... +50)

 = ATEX valves (-20... +40)

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Weight 330 g Minimum pilot pressure 2,5 bar Maximum fitting torque 9 N/m

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