

Solenoid-Differential

Coding: T514.ⓕ.00.36.Ⓣ

Operational characteristics

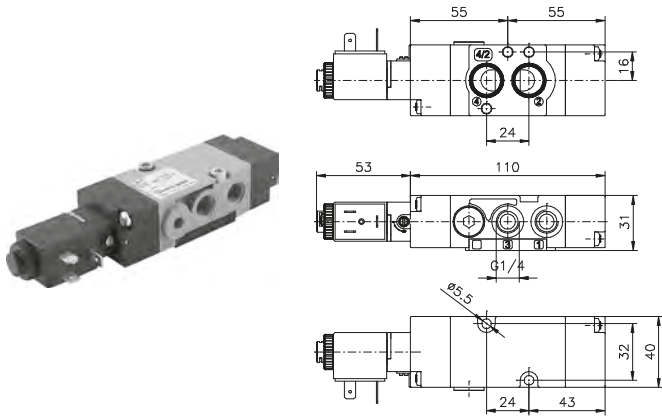
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-10 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

FUNCTION	
ⓕ 42 = 4 ways	
52 = 5 ways	

VOLTAGE	
B04 = 12VDC	
B05 = 24VDC	
Ⓣ B09 = 24VDC (2W)	
B56 = 24V (50-60 Hz)	
B57 = 110V (50-60 Hz)	
B58 = 230V (50-60 Hz)	

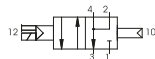
1
AIR DISTRIBUTION

4 ways

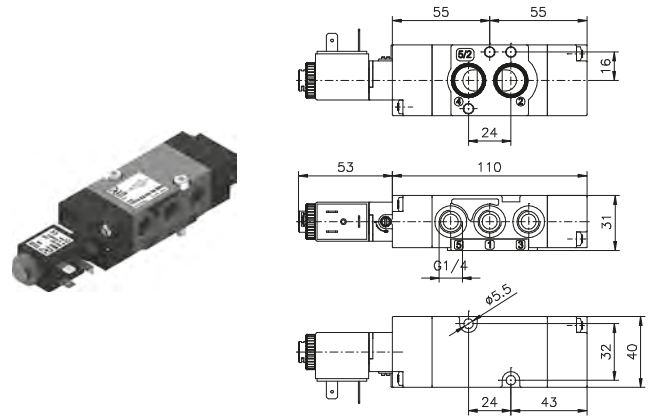


Weight 200 g
Minimum working pressure 2,5 bar
Maximum fitting torque 9 N/m

T514.42.00.36.Ⓣ

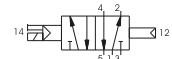


5 ways



Weight 200 g
Minimum working pressure 2,5 bar
Maximum fitting torque 9 N/m

T514.52.00.36.Ⓣ



Solenoid - Spring

Coding: T514.ⓕ.00.39.Ⓣ

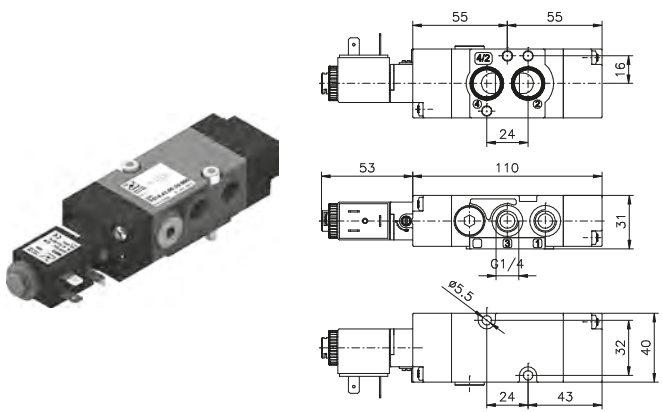
Operational characteristics

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-10 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

FUNCTION	
ⓕ 42 = 4 ways	
52 = 5 ways	

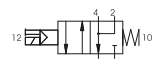
VOLTAGE	
B04 = 12VDC	
B05 = 24VDC	
Ⓣ B09 = 24VDC (2W)	
B56 = 24V (50-60 Hz)	
B57 = 110V (50-60 Hz)	
B58 = 230V (50-60 Hz)	

4 ways

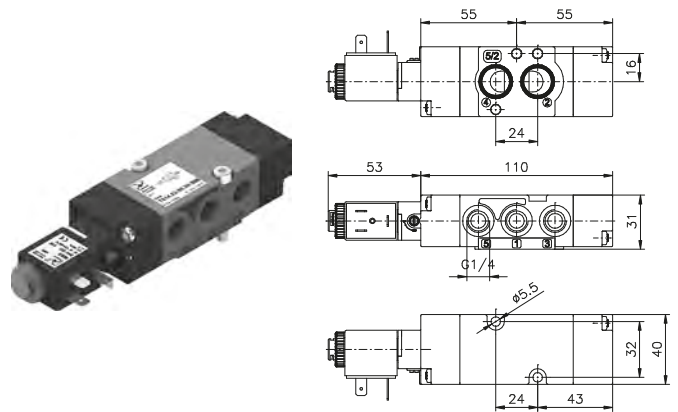


Weight 200 g
Minimum working pressure 2,5 bar
Maximum fitting torque 9 N/m

T514.42.00.39.Ⓣ

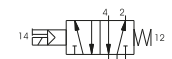


5 ways



Weight 200 g
Minimum working pressure 2,5 bar
Maximum fitting torque 9 N/m

T514.52.00.39.Ⓣ



Universal kit

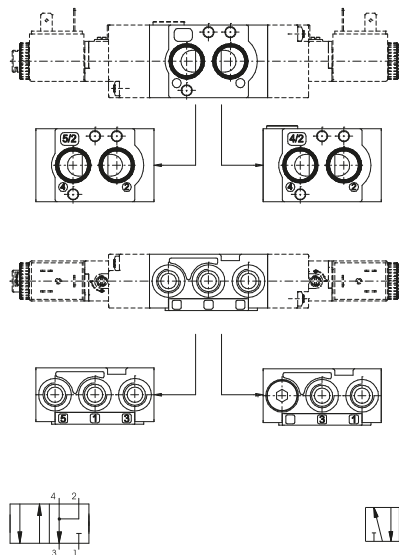
Coding: T514.92.00.V.T

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	-10 ÷ +50
Flow rate at 6 bar with Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

VERSION		VOLTAGE	
16	= Pneumatic - Differential	B04	= 12 VDC
18	= Pneumatic - Pneumatic	B05	= 24 VDC
19	= Pneumatic - Spring	B09	= 24 VDC (2W)
35	= Solenoid - Solenoid	B56	= 24V (50-60 Hz)
36	= Solenoid - Differential	B57	= 110V (50-60 Hz)
39	= Solenoid - Spring	B58	= 230 V (50-60 Hz)



Weight 170 g
Minimum working pressure 2,5 bar
Maximum fitting torque 9 N/m



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AIR DISTRIBUTION

Series 514

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.

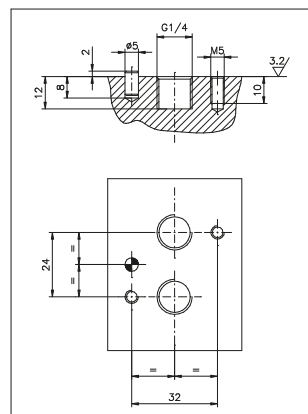
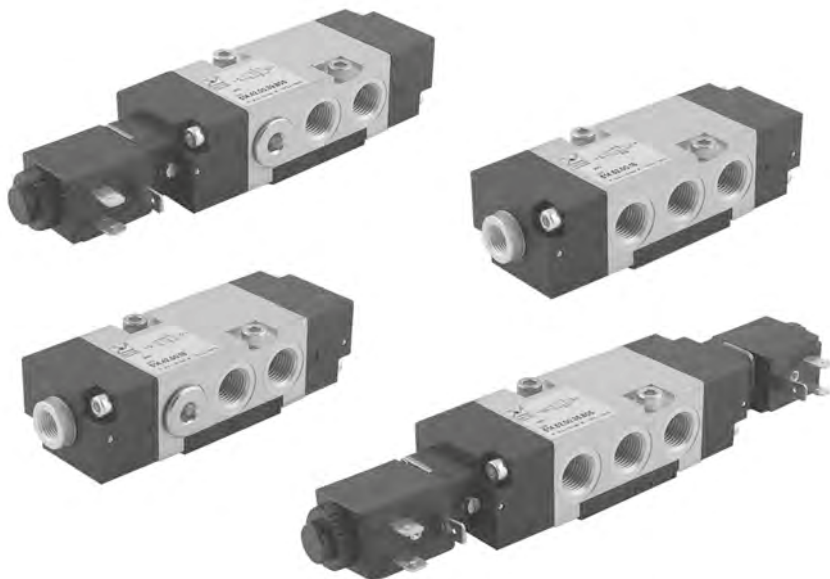
The product is classified for use in potentially explosive atmospheres (Directive 2014/34/EU).

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.

Note:
 “Although accurately described, the 4/2 valve actually functions as a 3/2 normally closed valve and should be used as such.”

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



AIR DISTRIBUTION

Construction characteristics

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

Certifications available:

SOLENOID VALVES WITH XMB OR XMC 3GD COIL

: CE II 3G Ex h IIB T4 Gc X
 CE II 3D Ex h IIIC T120°C Dc X IP65

MECHANICAL AND PNEUMATIC VALVES WITHOUT COILS

: CE II 2G Ex h IIB T5 Gc X
 CE II 2D Ex h IIIC T96°C Dc X IP65

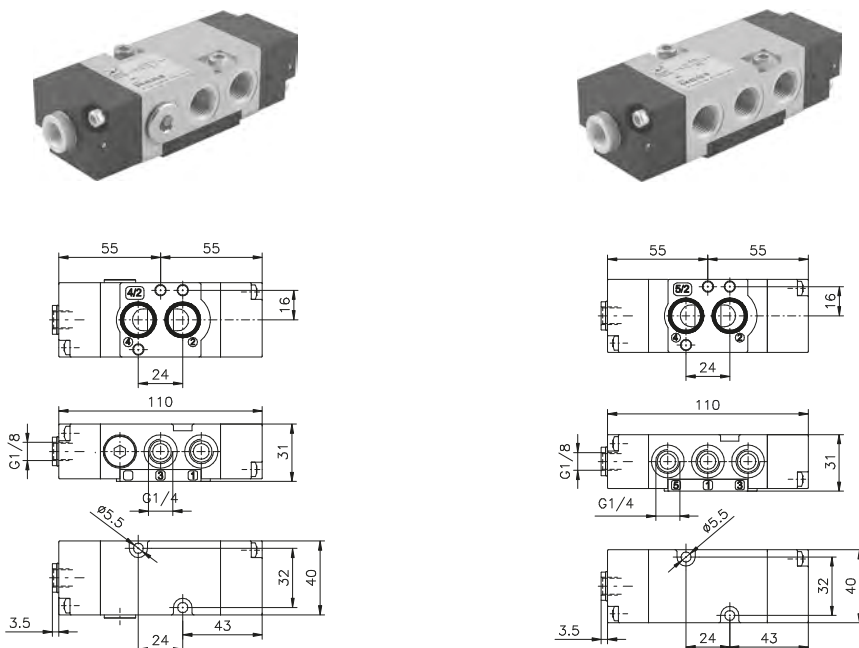
Pneumatic - Differential

Coding: **M514.F.00.16**Ⓞ

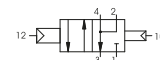
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10 Standard valves (-10 ... +50) Low temperature valves (-30 ... +50) ATEX valves (-20 ... +40)
Temperature °C	1100 Standard valves (-10 ... +50) Low temperature valves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

M	MODEL = Standard valve X = ATEX valve
F	FUNCTION 42 = 4 ways 52 = 5 ways
Ⓞ	TEMPERATURE OPTIONS = Standard valves (-10 ... +50) LT = Low temperature valves (-30 ... +50) = ATEX valves (-20 ... +40)

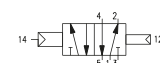
Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m



M514.42.00.16Ⓞ Weight 240 g



M514.52.00.16Ⓞ Weight 235 g



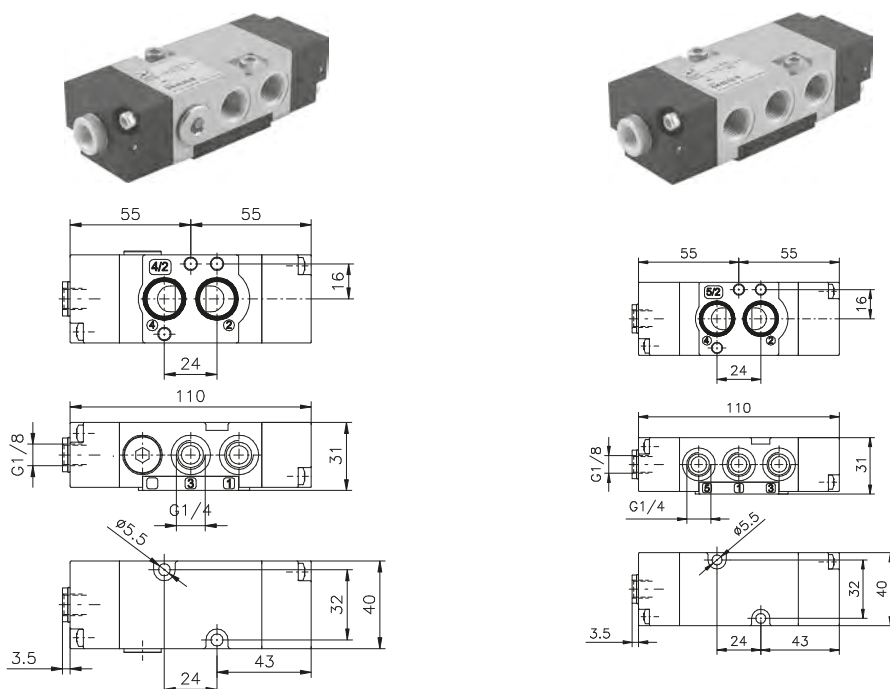
Pneumatic - Pneumatic

Coding: **M514.F.00.18**Ⓞ

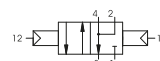
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10 Standard valves (-10 ... +50) Low temperature valves (-30 ... +50) ATEX valves (-20 ... +40)
Temperature °C	1100 Standard valves (-10 ... +50) Low temperature valves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

M	MODEL = Standard valve X = ATEX valve
F	FUNCTION 42 = 4 ways 52 = 5 ways
Ⓞ	TEMPERATURE OPTIONS = Standard valves (-10 ... +50) LT = Low temperature valves (-30 ... +50) = ATEX valves (-20 ... +40)

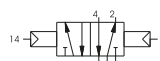
Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m



M514.42.00.18Ⓞ Weight 240 g



M514.52.00.18Ⓞ Weight 235 g





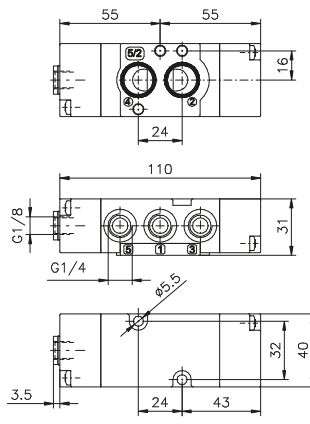
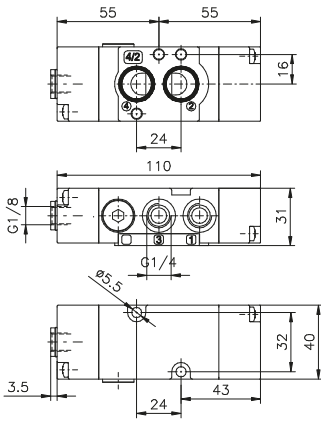
Pneumatic - Spring

Coding: M514.F.00.19O

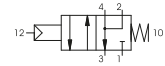
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	Standard valves (-10 ... +50) Low temperature valves (-30 ... +50) ATEX valves (-20 ... +40)
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice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

MODEL	M = Standard valve X = ATEX valve
FUNCTION	F 42 = 4 ways 52 = 5 ways
TEMPERATURE OPTIONS	= Standard valves (-10 ... +50) O LT = Low temperature valves (-30 ... +50) = ATEX valves (-20 ... +40)

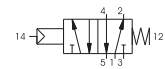
Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m



M514.42.00.19O Weight 240 g



M514.52.00.19O Weight 235 g

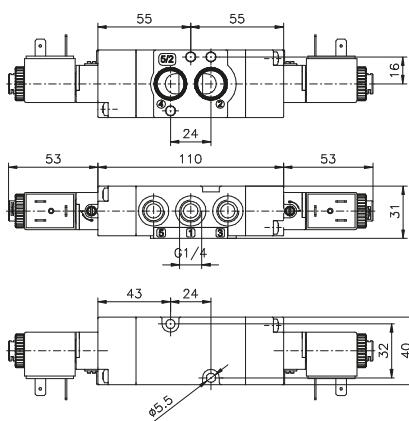
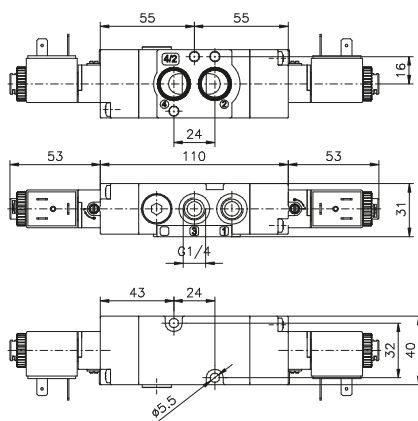


1 AIR DISTRIBUTION

Solenoid-Solenoid

Coding: M514.F.00.35.T.O

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"



MODEL	
M	= Standard valve
X	= ATEX valve
FUNCTION	
F	42 = 4 ways
52	= 5 ways
VOLTAGE	
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
T	
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)
O	= ATEX valves (-20 ... +40)

Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m
"LT" and "ATEX" versions are not available with MF coils

M514.42.00.35.O Weight 410 g



M514.52.00.35.O Weight 405 g



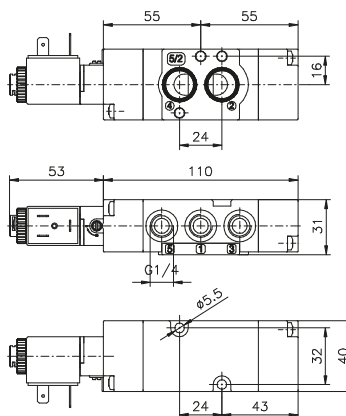
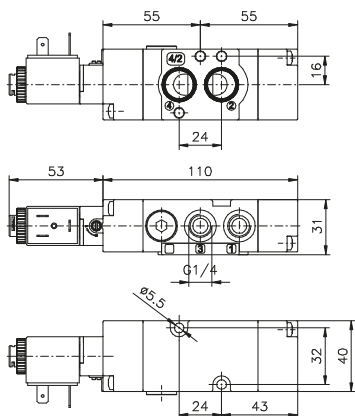
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AIR DISTRIBUTION

Solenoid-Differential

Coding: M514.F.00.36.T

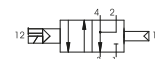
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	Standard valves (-10 ... +50) Low temperature valves (-30 ... +50) ATEX valves (-20 ... +40)
Flow rate at 6 bar with Δp=1 (NI/min)	1100
Orifice size (mm)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



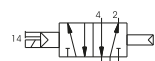
MODEL	
M	= Standard valve
X	= ATEX valve
FUNCTION	
F	42 = 4 ways
52 = 5 ways	
VOLTAGE	
B04	= 12 VDC
B05	= 24 VDC
B09	= 24 VDC (2W)
B56	= 24V (50-60 Hz)
B57	= 110V (50-60 Hz)
B58	= 230 V (50-60 Hz)
C04	= 12 VDC
C05	= 24 VDC
T	C09 = 24 VDC (2W)
C56	= 24 V (50-60 Hz)
C57	= 110 V (50-60 Hz)
C58	= 230 V (50-60 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)

Minimum pilot pressure 2.5 bar
Maximum fitting torque 9 N/m
“LT” and “ATEX” versions are not available with MF coils

M514.42.00.36.T Weight 330 g



M514.52.00.36.T Weight 325 g

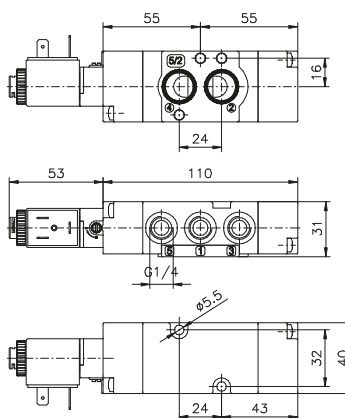
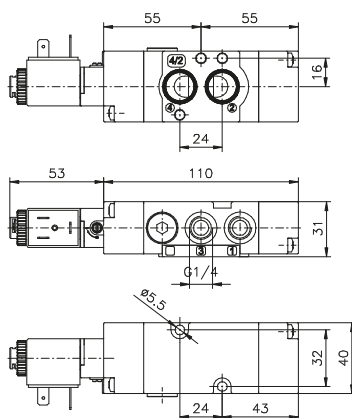


1 AIR DISTRIBUTION

Solenoid - Spring

Coding: **M514.F.00.39.T.O**

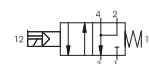
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	10
Temperature °C	Standard valves (-10 ... +50) Low temperature valves (-30 ... +50) ATEX valves (-20 ... +40)
Flow rate at 6 bar with Δp=1 (NI/min)	1100
Orifice size (mm)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



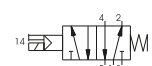
M	MODEL
	= Standard valve
X	= ATEX valve
F	FUNCTION
42	= 4 ways
52	= 5 ways
T	VOLTAGE
B04	= 12 VDC
B05	= 24 VDC
B09	= 24 VDC (2W)
B56	= 24V (50-60 Hz)
B57	= 110V (50-60 Hz)
B58	= 230 V (50-60 Hz)
C04	= 12 VDC
C05	= 24 VDC
C09	= 24 VDC (2W)
C56	= 24 V (50-60 Hz)
C57	= 110 V (50-60 Hz)
C58	= 230 V (50-60 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)
O	TEMPERATURE OPTIONS
	= Standard valves (-10 ... +50)
LT	= Low temperature valves (-30 ... +50)
	= ATEX valves (-20 ... +40)

Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m
"LT" and "ATEX" versions are not available with MF coils

M514.42.00.39.T.O Weight 330 g



M514.52.00.39.T.O Weight 325 g



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AIR DISTRIBUTION

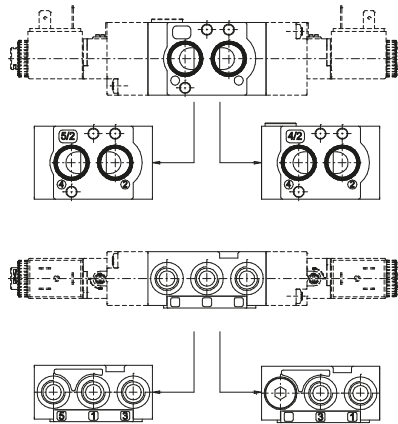
Universal kit

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

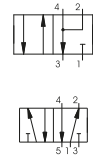
MODEL	
M	= Standard valve
X	= ATEX valve
VERSION	
16	= Pneumatic - Differential
18	= Pneumatic - Pneumatic
V	19 = Pneumatic - Spring
35	= Solenoid - Solenoid
36	= Solenoid - Differential
39	= Solenoid - Spring
VOLTAGE	
B04	= 12 VDC
B05	= 24 VDC
B09	= 24 VDC (2W)
B56	= 24V (50-60 Hz)
B57	= 110V (50-60 Hz)
B58	= 230V (50-60 Hz)
C04	= 12 VDC
C05	= 24 VDC
T	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	
O	= Standard valves (-10 ... +50)
LT	= Low temperature valves (-30 ... +50)
	= ATEX valves (-20 ... +40)

1
AIR DISTRIBUTION



Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m
“LT” and “ATEX” versions are not available with MF coils
To change a 5/2 valve into a 4/2:
Simply replace the bottom plate with the one included in the universal kit (cod. 514.92....) and by plugging port 5

Weight 405 g



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).

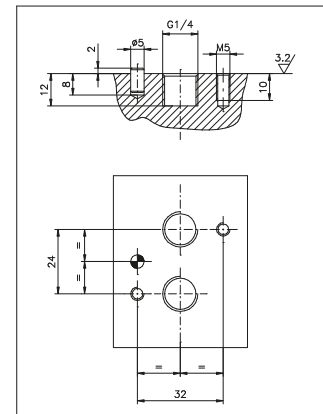
NAMUR valves have been developed using the latest, technical design solutions which guarantee flexibility and an increased flow rate capacity exceeding that of traditional, spool valves.

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)



1
AIR DISTRIBUTION

Construction characteristics

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

Certifications available:

SOLENOID VALVES WITH XMB OR XMC 3GD COIL

: CE II 3G Ex h IIB T4 Gc X
CE II 3D Ex h IIIC T120°C Dc X IP65

MECHANICAL AND PNEUMATIC VALVES WITHOUT COILS

: CE II 2G Ex h IIB T5 Gc X
CE II 2D Ex h IIIC T96°C Dc X IP65

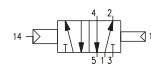
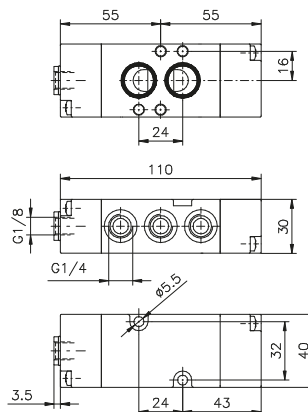
Pneumatic - Differential

Coding: **M515.52.00.16**

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

M	MODEL	C	TEMPERATURE OPTIONS
	= 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

1 AIR DISTRIBUTION

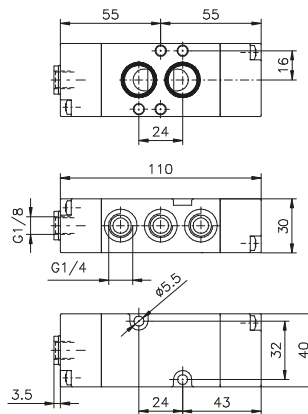
Pneumatic - Pneumatic

Coding: **M515.52.00.18**

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

M	MODEL	C	TEMPERATURE OPTIONS
	= 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

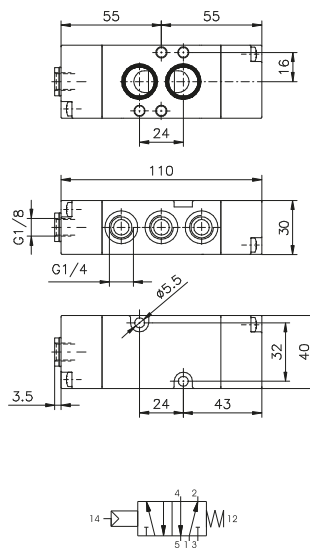
Coding: **M**515.52.00.19**Ⓞ**

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 Δp=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



1
AIR DISTRIBUTION

Solenoid-Solenoid

Coding: M515.52.00.35. T C

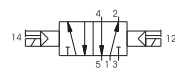
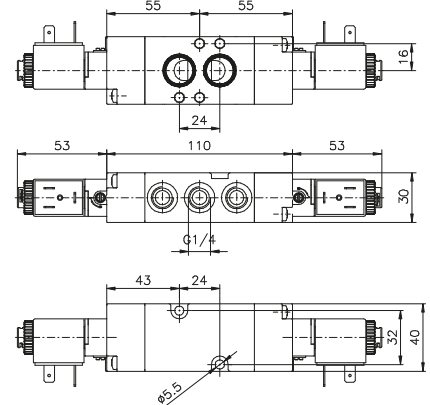
Operational characteristics

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

MODEL -	
M	= Standard valve
X	= ATEX valve
VOLTAGE	
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
T	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	
C	= Standard valves (-10 ... +50)
LT	= Low temperature valves (-30 ... +50)
	= ATEX valves (-20 ... +40)

1 AIR DISTRIBUTION



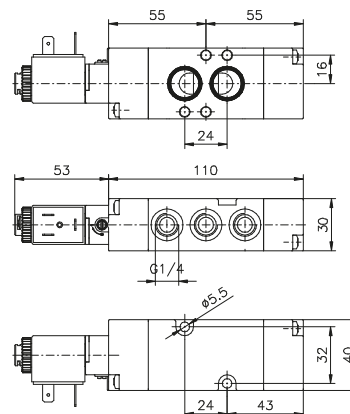
Weight 415 g
Minimum pilot pressure 2,5 bar
Maximum fitting torque 9 N/m

Solenoid-Differential

Coding: **M**515.52.00.36.**T****O**

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

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



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

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AIR DISTRIBUTION

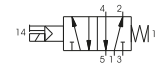
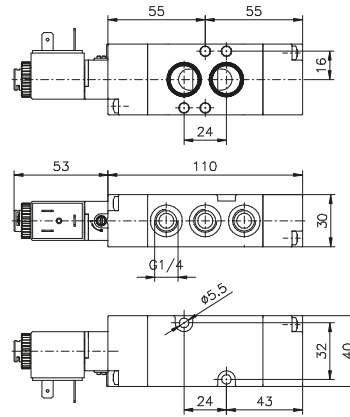
Solenoid - Spring

Coding: M515.52.00.39.TC

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 Δp=1 (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4"

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



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