



PNEUMAX



VALVES AND SOLENOID VALVES WITH "NAMUR" INTERFACE

COMPONENTS AND SYSTEMS FOR AUTOMATION



PNEUMAX

Pneumax S.p.A.

Smart Technologies and Human Competence

Founded in 1976, **PNEUMAX S.p.A.** is today one of the leading, international manufacturers of components and systems for industrial and process automation, it is at the fore front of a group comprised of 22 companies, with over 660 employees worldwide.

Ongoing investment in research and development has allowed **Pneumax** to continually expand its range of standard products and customised solutions, adding to the well-established pneumatic technology, is a range of electric drive actuators and fluid control components.



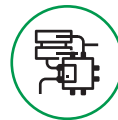


The ability to provide various technologies and solutions for each of our clients applications is the main objective of our company, making us the ideal strategic partner.

What defines us is the “Pneumax Business Attitude”, born out of the capacity to combine industry sectors, technology and our application skills via client collaboration with our business sector and product sector specialists. This represents the main distinguishing factor of what **Pneumax** has to offer.



**Pneumatic
technology**



**Electric
actuation**



**Fluid
control**

Index



SOLENOID VALVES Series 514/N WITH “Namu” INTERFACE

General.....	4
Solenoid valves 3/2-5/2, G1/4”:	
Solenoid - Spring, Solenoid - Differential, Solenoid - Solenoid.....	5



VALVES AND SOLENOID VALVES Series T514 “TECNO-NAMUR”

General.....	6
Valves and Solenoid valves 4/2-5/2, G1/4”:	
Pneumatic - Differential / Pneumatic - Pneumatic / Pneumatic - Spring	
Solenoid - Solenoid.....	7
Solenoid - Differential / Solenoid - Spring, Universal kit.....	8



VALVES AND SOLENOID VALVES SerieS 514 - 515 “NAMUR”

General.....	10
Valves and Solenoid valves 4/2-5/2, G1/4”:	
Pneumatic - Differential / Pneumatic - Pneumatic / Pneumatic - Spring	
Solenoid - Solenoid.....	11
Solenoid - Differential / Solenoid - Spring, Universal kit.....	12
Valves and Solenoid valves 5/2, G1/4”:	
Pneumatic - Differential / Pneumatic - Pneumatic / Pneumatic - Spring	
Solenoid - Solenoid.....	13
Solenoid - Differential / Solenoid - Spring.....	14

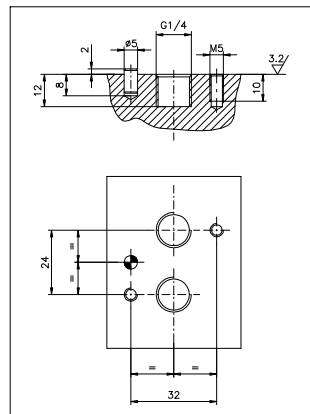
These are 2 stage valves actuated electro-pneumatically. A serie 300 directly operated solenoid valve actuates pneumatically the principal power distributor.

Everything is well integrated in a practical configuration that also permits applications where there is limited space. Used primarily to operate rotary actuators and wherever there is a "NAMUR" standard installation plan.

The pilot air is normally taken from the inlet port (autofeed) and the only actuating signal is electric.

The range of the solenoid valves, as far as dimensions and mechanical construction, is similar to series 200. We have therefore solenoid valves G 1/4" with identical pneumatic characteristics that are, however, actuated electrically. They have a balanced spool, insensitive to presence or absence of pressure. They are constructed in 3 and 5 way with 1 solenoid (monostable) or 2 solenoids (bistable).

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



Construction characteristic

Body	Aluminium
Operators	Aluminium
Spools	Nickel plated steel
Seals	NBR
Spacers	Technopolymer
Springs	Spring steel
Screw	Zinc coated Steel

Use and maintenance

These valves have an average life of 15 million cycles depending on the application and air quality, filtered and lubricated air using specified lubricants will dramatically reduce the wear of the seals and ensures long and trouble free operation.

Please ensure that the valve is being used according with the manufacturers specification, such as air pressure and temperature and that exhaust ports 3 & 5 are protected against the possible ingress of dirt or debris.


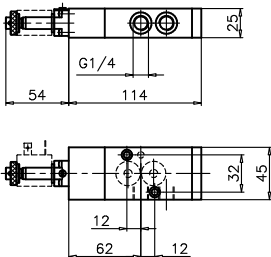

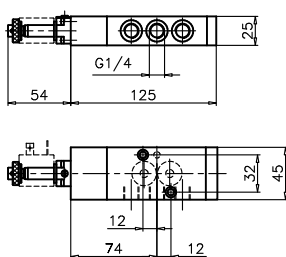
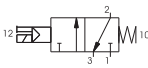
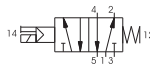
Repair kits including the spool complete with seals are available for overhauling the valves; however, although this is a simple operation it should be carried out by a competent person.



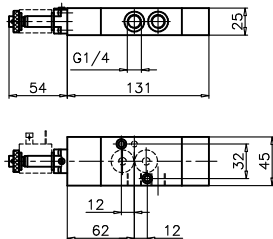
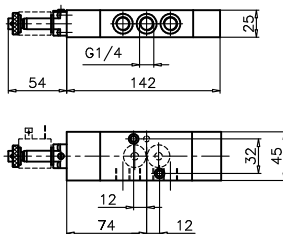
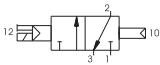
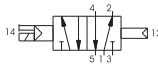
ATTENTION: use hydraulic oil class H for lubrication such as MAGNA GC 32 (Castrol).



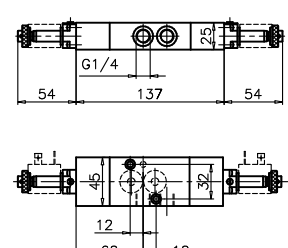
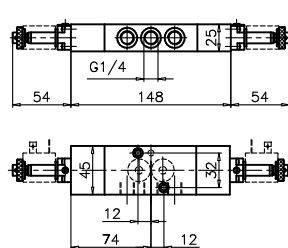
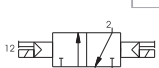
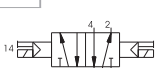


Solenoid valves Series 514/N "NAMUR" 3/2-5/2, G1/4"

AIR DISTRIBUTION

3/2	Solenoid - Spring	Ordering code	Solenoid - Spring	5/2	
  Weight g. 390 Minimum working pressure 2,5 bar		514/N.ⓕ.0.1.M2 <div>FUNCTION</div> <div>ⓕ 32=3 ways</div> <div>52=5 ways</div>	  Weight g. 450 Minimum working pressure 2,5 bar		
					
Operational characteristics					
Fluid	Flow rate at 6 bar with Δp=1 (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1030	10	7	G1/4"	-10 ÷ +50

3/2	Solenoid - Differential	Ordering code	Solenoid - Differential	5/2	
		514/N.ⓕ.0.12.M2			
		FUNCTION			
		ⓕ 32=3 ways			
		52=5 ways			
Weight g. 390 Minimum working pressure 2,5 bar			Weight g. 450 Minimum working pressure 2,5 bar		
					
Operational characteristics					
Fluid	Flow rate at 6 bar with Δp=1 (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1030	10	7	G1/4"	-10 ÷ +50

3/2	Solenoid - Solenoid	Ordering code	Solenoid - Solenoid	5/2	
		514/N.ⓕ.0.0.M2			
					
Weight g. 390 Minimum working pressure 2,5 bar			Weight g. 450 Minimum working pressure 2,5 bar		
					
Operational characteristics					
Fluid	Flow rate at 6 bar with Δp=1 (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1030	10	7	G1/4"	-10 ÷ +50

Superior performance is further enhanced by the use of innovative materials of construction.

The image displays four different views of a 3-position, 3-way solenoid valve. The valve has a black solenoid coil and a grey body. The top view shows the valve with a black knob on the left. The side view shows the valve with a white knob on the left. The front view shows the valve with a black knob on the left. The bottom view shows the valve with a black knob on the left. The technical drawing on the right shows the valve's dimensions: a total width of 32, a height of 24, and a depth of 12. It also shows the internal ports and the solenoid coil connection.

Body	Technopolymer
Operators	Technopolymer
Spools	Nickel plated steel
Seals	Nitrile rubber
Spacers	Technopolymer
Springs	Stainless Steel
Screw	Zinc coated Steel



Solenoid valves Series T514 "TECNO-NAMUR"

4/2-5/2, G1/4"

Pneumatic - Differential / Pneumatic - Pneumatic / Pneumatic - Spring

4/2
5/2

Ordering code

T514.F.00.V

FUNCTION

42=4 ways

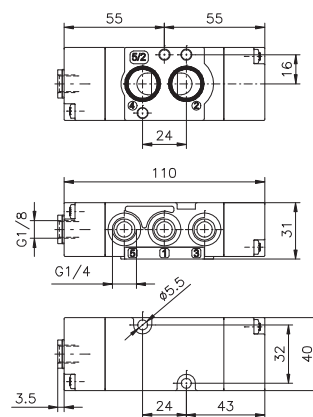
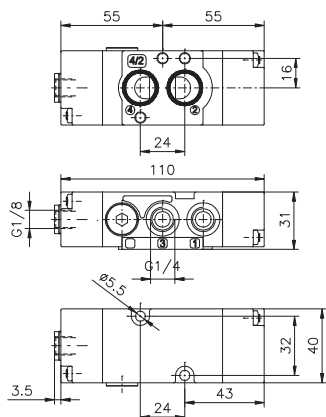
52=5 ways

VERSION

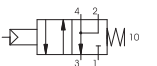
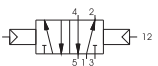
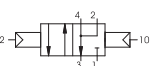
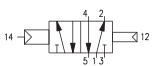
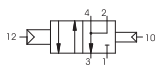
16=Pneumatic - Differential

18=Pneumatic - Pneumatic

19=Pneumatic - Spring



Weight g. 140
Minimum pilot pressure
2,5 bar



Maximum fixing torque for
fittings 9 N/m

Operational characteristics

Fluid	Flow rate at 6 bar with $\Delta p=1$ (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50

Solenoid - Solenoid

4/2
5/2

Ordering code

T514.F.00.35.T

FUNCTION

42=4 ways

52=5 ways

VOLTAGE

B04=12 VDC

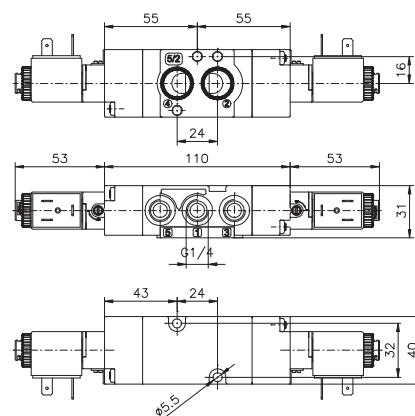
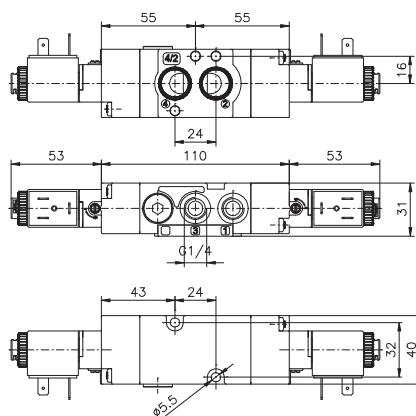
B05=24 VDC

B09=24 VDC (2W)

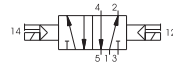
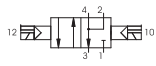
B56=24V (50-60 Hz)

B57=110V (50-60 Hz)

B58=230 V (50-60 Hz)



Weight g. 250
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



Operational characteristics

Fluid	Flow rate at 6 bar with $\Delta p=1$ (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50

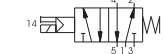
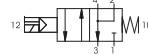
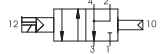
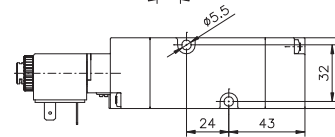
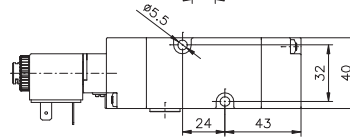
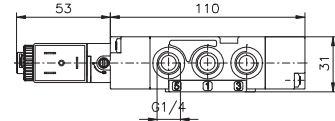
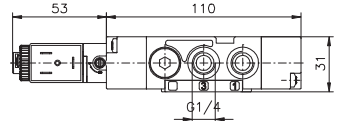
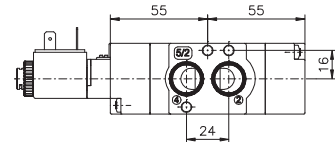
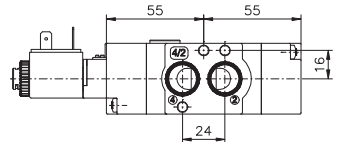
Solenoid - Differential / Solenoid - Spring

4/2
5/2

Ordering code

T514.F.00.V.T

F	FUNCTION 42=4 ways 52=5 ways
V	VERSION 36=Solenoid - Differential 39=Solenoid - Spring
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)



Weight g. 200
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m

Operational characteristics

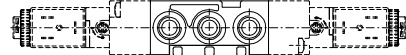
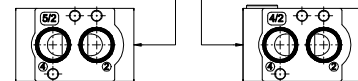
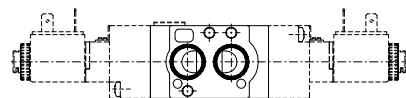
Fluid	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50

Universal kit

Ordering code

T514.92.00.V.T

V	VERSION 16=Pneumatic - Differential 18=Pneumatic - Pneumatic 19=Pneumatic - Spring 35=Solenoid - Solenoid 36=Solenoid - Differential 39=Solenoid - Spring
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)



Weight g. 170
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



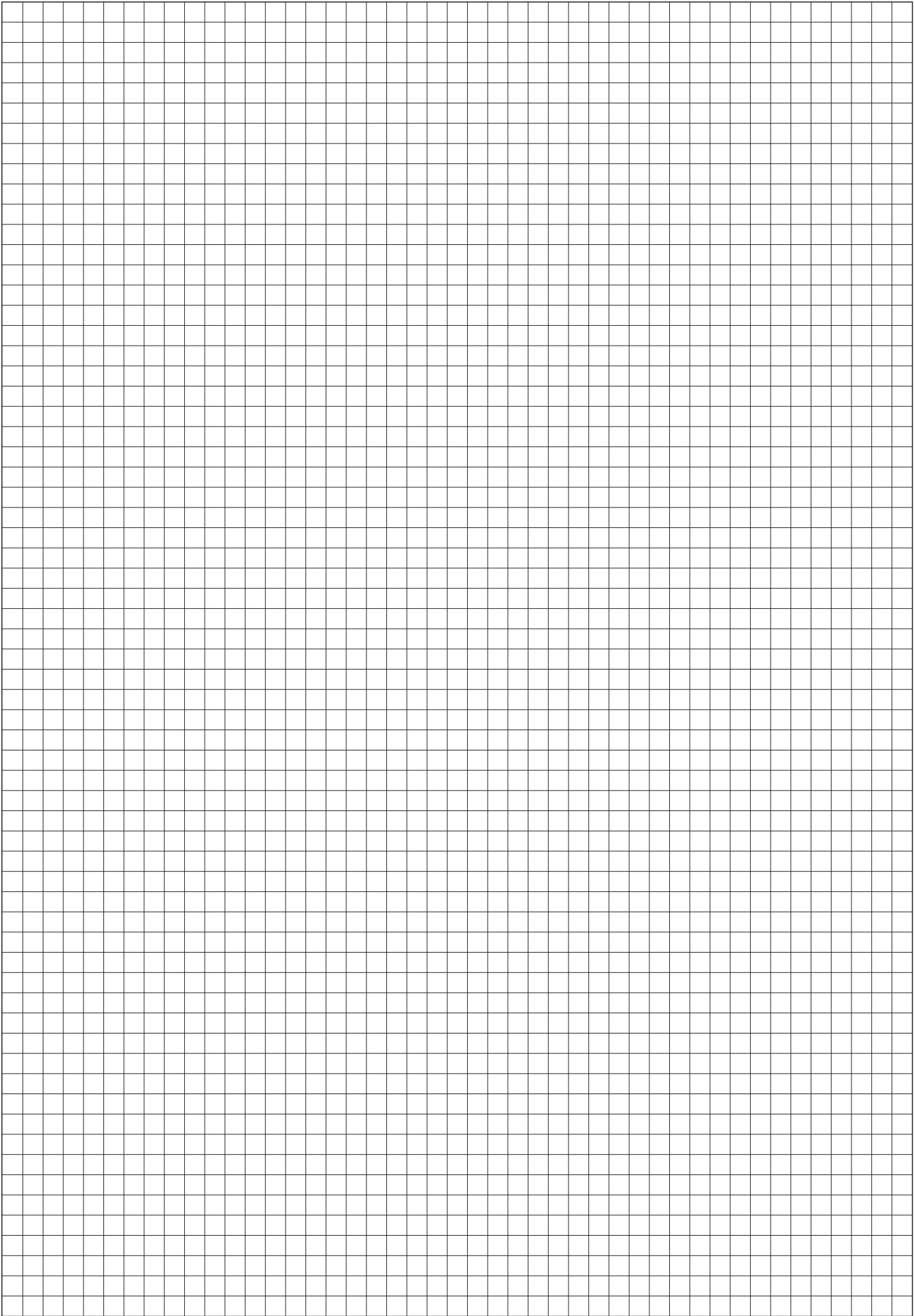
To change a 5/2 valve into a 4/2:
Simply replace the bottom plate with the one included in the universal kit (cod. T514.92....) and by plugging port 5

Operational characteristics

Fluid	Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50



AIR DISTRIBUTION



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 available in 5/2 and 4/2 versions or in a universal version which can be configured by the end user by replacing the fitting plate and adding a stopper.

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)



Construction characteristic

Body	Aluminium
Operators	Technopolymer
Spools	Nickel plated steel
Seals	Nitrile rubber
Spacers	Technopolymer
Springs	Stainless Steel
Screw	Zinc coated Steel

IMPORTANT: Version 515 (available only in 5/2), differs from version 514 because it is supplied without a plate.

Certifications available:



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



Valves and Solenoid valves Series 514 "NAMUR"

4/2-5/2, G1/4"

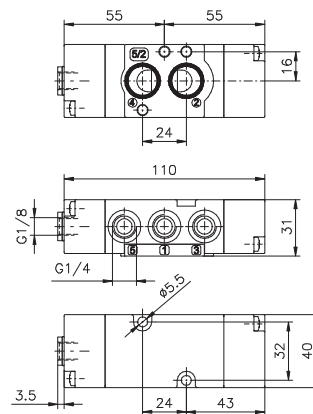
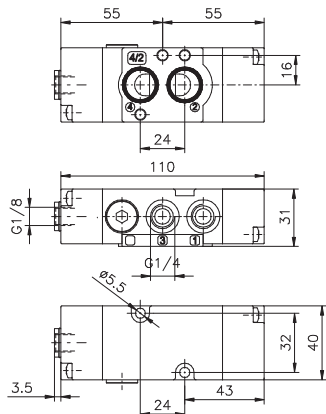
Pneumatic - Differential / Pneumatic - Pneumatic / Pneumatic - Spring

4/2
5/2

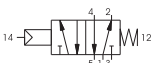
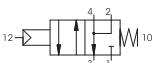
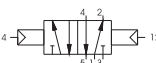
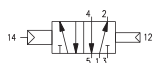
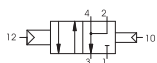
Ordering code

M514.F.00.VO

- M** MODEL
= STANDARD Valve
X=ATEX Valve
- F** FUNCTION
42=4 ways
52=5 ways
- V** VERSION
16=Pneumatic - Differential
18=Pneumatic - Pneumatic
19=Pneumatic - Spring
- O** TEMPERATURE OPTIONS
= STANDARD Valve (-10 ÷ +50)
= ATEX Valve (-30 ÷ +50)
LT=Low temperature (-30 ÷ +50)



Weight g. 240
Minimum pilot pressure
2,5 bar



Weight g. 235
Maximum fixing torque for
fittings 9 N/m

Code Example	MODELL	Operational characteristics					Temperature °C
		Fluid	Flow rate at 6 bar with $\Delta p=1$ (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	
514.F.00.V	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
514.F.00.VLT	LT "Low Temperture" Valve						-30 ÷ +50
X514.F.00.V	ATEX Valve						-30 ÷ +50

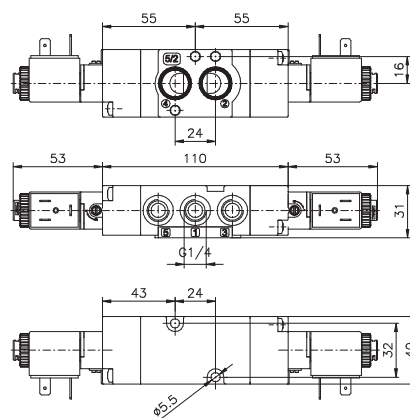
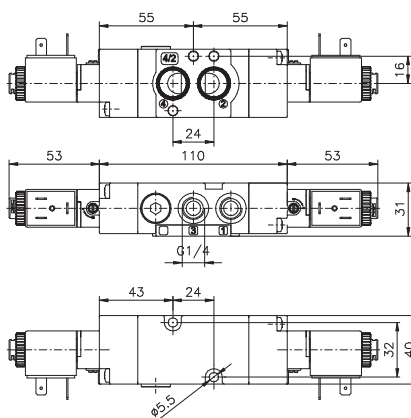
Solenoid - Solenoid

4/2
5/2

Ordering code

M514.F.00.35.TO

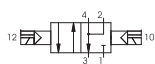
- M** MODEL
= STANDARD Valve
X=ATEX Valve
- F** FUNCTION
42=4 ways
52=5 ways
- T** VOLTAGE
B04=12 VDC
B05=24 VDC
B09=24 VDC (2W)
B56=24V (50-60 Hz)
B57=110V (50-60 Hz)
B58=230 V (50-60 Hz)
C04=12 VDC
C05=24 VDC
C09=24 VDC (2W)
C56=24V (50-60 Hz)
C57=110V (50-60 Hz)
C58=230 V (50-60 Hz)
F04=12 VDC
F05=24 VDC
F56=24V (50-60 Hz)
F57=110V (50-60 Hz)
F58=230 V (50-60 Hz)
- O** TEMPERATURE OPTIONS
= STANDARD Valve (-10 ÷ +50)
= ATEX Valve (-30 ÷ +50)
LT=Low temperature (-30 ÷ +50)



"LT" and "ATEX" Versions are not available with MF coils

Weight g. 410
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m

Weight g. 405



Code Example	MODELL	Operational characteristics					Temperature °C
		Fluid	Flow rate at 6 bar with $\Delta p=1$ (l/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	
514.F.00.T	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
514.F.00.TLT	LT "Low Temperture" Valve						-30 ÷ +50
X514.F.00.T	ATEX Valve						-30 ÷ +50

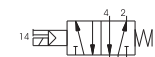
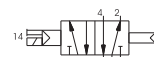
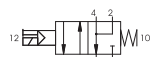
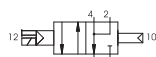
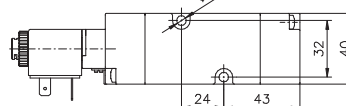
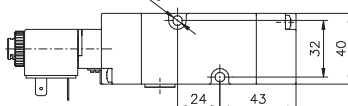
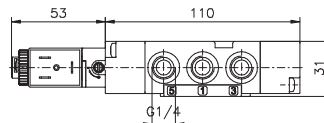
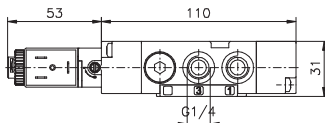
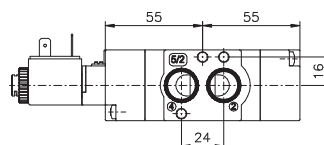
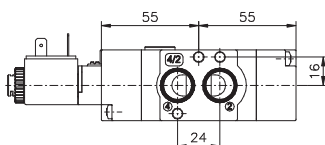
Solenoid - Differential / Solenoid - Spring

4/2
5/2

Ordering code

M514.F.00.V.T.O

M	MODEL
	= STANDARD Valve
	X = ATEX Valve
F	FUNCTION
	42 = 4 ways
	52 = 5 ways
V	VERSION
	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 = 230 V (50-60 Hz)
	C04 = 12 VDC
T	C05 = 24 VDC
	C09 = 24 VDC (2W)
	C56 = 24V (50-60 Hz)
	C57 = 110V (50-60 Hz)
	C58 = 230 V (50-60 Hz)
	F04 = 12 VDC
	F05 = 24 VDC
	F56 = 24V (50-60 Hz)
	F57 = 110V (50-60 Hz)
	F58 = 230 V (50-60 Hz)
O	TEMPERATURE OPTIONS
	= STANDARD Valve (-10 ÷ +50)
	= ATEX Valve (-30 ÷ +50)
	LT = Low temperature (-30 ÷ +50)



Weight g. 325

"LT" and "ATEX" Versions are not available with MF coils
Weight g. 330
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m

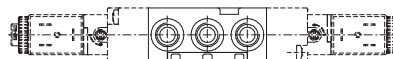
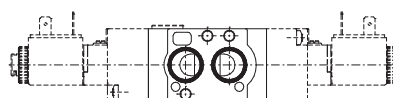
Code Example	MODEL	Operational characteristics					Temperature °C
		Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	
514.F.00.V.T	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
514.F.00.V.LT	LT "Low Temperature" Valve						-30 ÷ +50
X514.F.00.V.T	ATEX Valve						-30 ÷ +50

Universal kit

Ordering code

M514.92.00.V.T.O

M	MODEL
	= 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 = 230 V (50-60 Hz)
	C04 = 12 VDC
T	C05 = 24 VDC
	C09 = 24 VDC (2W)
	C56 = 24V (50-60 Hz)
	C57 = 110V (50-60 Hz)
	C58 = 230 V (50-60 Hz)
	F04 = 12 VDC
	F05 = 24 VDC
	F56 = 24V (50-60 Hz)
	F57 = 110V (50-60 Hz)
O	TEMPERATURE OPTIONS
	= STANDARD Valve (-10 ÷ +50)
	= ATEX Valve (-30 ÷ +50)
	LT = Low temperature (-30 ÷ +50)



"LT" and "ATEX" Versions are not available with MF coils
Weight g. 405
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



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

Code Example	MODEL	Operational characteristics					Temperature °C
		Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	
514.92.00.V.T	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
514.92.00.V.LT	LT "Low Temperature" Valve						-30 ÷ +50
X514.92.00.V.T	ATEX Valve						-30 ÷ +50



Valves and Solenoid valves Series 515 "NAMUR"

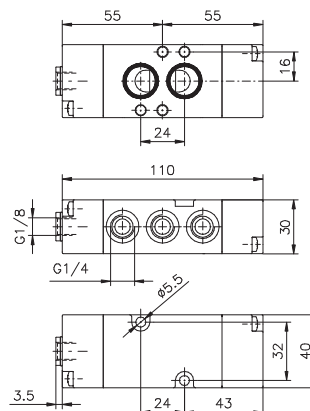
5/2, G1/4"

Pneumatic - Differential / Pneumatic - Pneumatic / Pneumatic - Spring

Ordering code

M515.52.00.VO

M	MODEL
	= STANDARD Valve
	X=ATEX Valve
V	VERSION
	16=Pneumatic - Differential
	18=Pneumatic - Pneumatic
	19=Pneumatic - Spring
O	TEMPERATURE OPTIONS
	= STANDARD Valve (-10 ÷ +50)
	= ATEX Valve (-30 ÷ +50)
	LT=Low temperature (-30 ÷ +50)



Weight g. 245
Minimum pilot pressure 2,5 bar



Maximum fixing torque for fittings 9 N/m

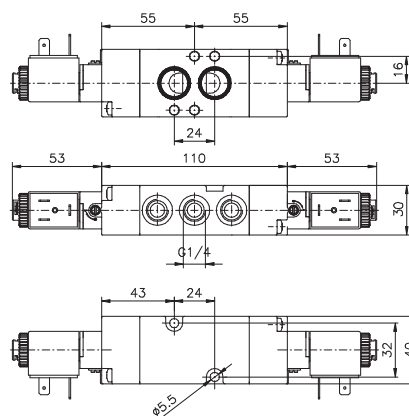
Code Example	MODELL	Operational characteristics					
		Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
515.52.00.V	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
515.52.00.VLT	LT "Low Temperture" Valve						-30 ÷ +50
X515.52.00.O	ATEX Valve						-30 ÷ +50

Solenoid - Solenoid

Ordering code

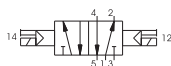
M515.52.00.35.TO

M	MODEL
	= STANDARD Valve
	X=ATEX Valve
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)
	C09=24 VDC (2W)
	C56=24V (50-60 Hz)
	C57=110V (50-60 Hz)
	C58=230 V (50-60 Hz)
	F04=12 VDC
	F05=24 VDC
	F56=24V (50-60 Hz)
	F57=110V (50-60 Hz)
	F58=230 V (50-60 Hz)
O	TEMPERATURE OPTIONS
	= STANDARD Valve (-10 ÷ +50)
	= ATEX Valve (-30 ÷ +50)
	LT=Low temperature (-30 ÷ +50)



"LT" and "ATEX" Versions are not available with MF coils

Weight g. 415
Minimum pilot pressure 2,5 bar
Maximum fixing torque for fittings 9 N/m



Code Example	MODELL	Operational characteristics					
		Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
515.52.00.35.T	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
515.52.00.35.TLT	LT "Low Temperture" Valve						-30 ÷ +50
X515.52.00.35.T	ATEX Valve						-30 ÷ +50

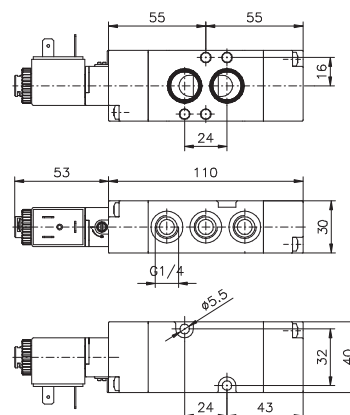
Solenoid - Differential / Solenoid - Spring

Ordering code

M515.52.00.V.T.O



M	MODEL
	= STANDARD Valve
	X=ATEX Valve
V	VERSION
	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=230 V (50-60 Hz)
T	C04=12 VDC
	C05=24 VDC
	C09=24 VDC (2W)
	C56=24V (50-60 Hz)
	C57=110V (50-60 Hz)
	C58=230 V (50-60 Hz)
	F04=12 VDC
	F05=24 VDC
	F56=24V (50-60 Hz)
	F57=110V (50-60 Hz)
	F58=230 V (50-60 Hz)
O	TEMPERATURE OPTIONS
	= STANDARD Valve (-10 ÷ +50)
	= ATEX Valve (-30 ÷ +50)
	LT=Low temperature (-30 ÷ +50)

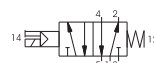
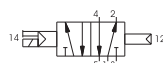


"LT" Version is available only with MB and MC coils

Weight g. 330

Minimum pilot pressure 2,5 bar

Maximum fixing torque for fittings 9 N/m

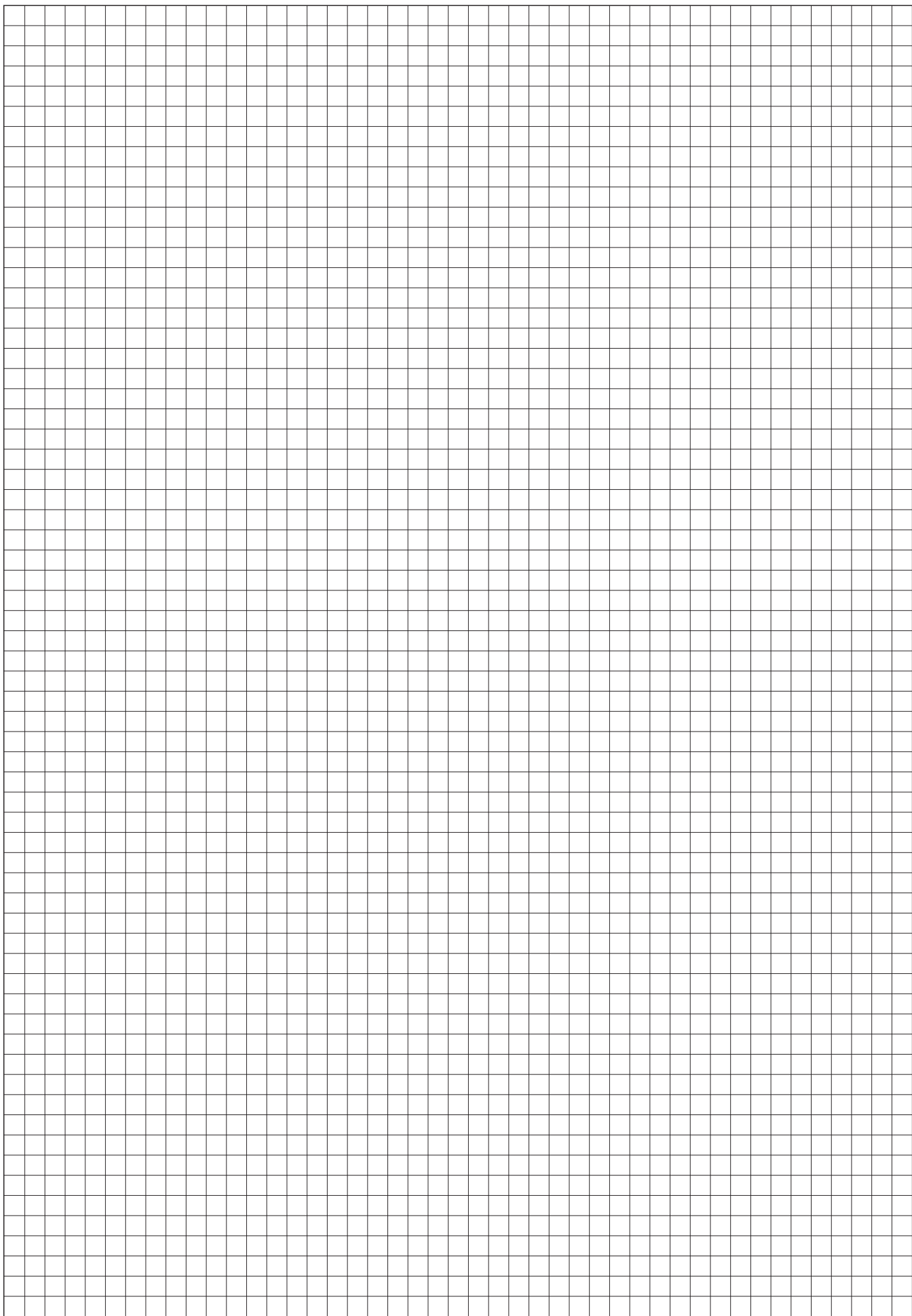


Operational characteristics

Code Example	MODELL	Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Max working pressure (bar)	Orifice size (mm)	Working ports size	Temperature °C
515.52.00.V.T	STANDARD Valve	Filtered and lubricated air	1100	10	8	G1/4"	-10 ÷ +50
515.52.00.V.T.LT	LT "Low Temperature" Valve						-30 ÷ +50
X515.52.00.V.T	ATEX Valve						-30 ÷ +50



AIR DISTRIBUTION





PNEUMAX

PNEUMAX S.p.A.

Via Cascina Barbellina, 10
24050 Lurano (BG) - Italy
P. +39 035 41 92 777
info@pneumaxspa.com