



Series 515 High Performance

NAMUR valves are 5/2 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.

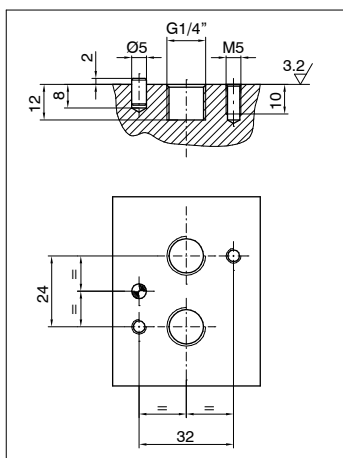
1
AIR DISTRIBUTION



Construction characteristics

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

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



Certifications available





Order codes

51 5 . 52 . 00 . 39 . B04

Model
: Standard valve
X : ATEX valve
(-20°C ... +40°C) - only with solenoid coils "B##", "C##" e "X##"
(-30°C ... +50°C) - only with solenoid coils "MHC", "MH#"

Connections
5 : G1/4" - supplied without plate
7 : 1/4" NPT - supplied without plate

Version
16 : Pneumatic-Differential
18 : Pneumatic-Pneumatic
19 : Pneumatic-Spring
35 : Solenoid-Solenoid
36 : Solenoid-Differential
39 : Solenoid-Spring

Voltages	Valve marking with ATEX solenoid coil	Protection method of the ATEX solenoid coil
B00 : Ø10 stem without solenoid coil to be used with the following solenoid coils	: CE UK II 2G Ex h IIC T5 Gb X CE UK II 2D Ex h IIIC T96°C Db X	/
B04 : 12 V DC - for all models B05 : 24 V DC - for all models B09 : 24 V DC (2W) - only for standard model B56 : 24 V AC (50-60 Hz) - for all models B57 : 110 V AC (50-60 Hz) - for all models B58 : 230 V AC (50-60 Hz) - for all models C04 : 12 V DC - for all models C05 : 24 V DC - for all models C09 : 24 V DC (2W) - only for standard model C56 : 24 V AC (50-60 Hz) - for all models C57 : 110 V AC (50-60 Hz) - for all models C58 : 230 V AC (50-60 Hz) - for all models	: CE UK II 3G Ex h IIC T4 Gc X CE UK II 3D Ex h IIIC T120°C Dc X IP65	Ex ec Ex tc
F00 : Ø9 stem without solenoid coil to be used with the following solenoid coils	: CE UK II 2G Ex h IIC T5 Gb X CE UK II 2D Ex h IIIC T96°C Db X	/
X05 : 24 V DC - only for ATEX model X56 : 24 V AC (50-60 Hz) - only for ATEX model X57 : 110 V AC (50-60 Hz) - only for ATEX model X58 : 230 V AC (50-60 Hz) - only for ATEX model	: CE UK II 2G Ex h IIC T4 Gb X CE UK II 2D Ex h IIIC T135°C Db X IP65	Ex mb
MHC : 24 V DC T6 - only for ATEX model complete with connector	: CE UK II 2G Ex h IIB/IIC T4 Gb X CE UK II 2D Ex h IIIC T130°C Db X IP65	Ex ia
MH4 : 24 V DC T4 - only for ATEX model MH6 : 24 V DC T6 - only for ATEX model	: CE UK II 2G Ex h IIB/IIC T4 Gb X	Ex ia

Electrical specifications for intrinsically safety
Group IIC Ui max= 28 V, li max= 115 mA, Pi max= 1,6 W
Group IIB Ui max= 32 V, li max= 195 mA, Pi max= 1,6 W

Voltages	Solenoid coil marking
L04 : 12 V DC - only for FM APPROVED model L05 : 24 V DC - only for FM APPROVED model L39 : 120 V AC - only for FM APPROVED model L41 : 240 V AC - only for FM APPROVED model	
FM APPROVED valve (-20°C ... +50°C) - only with solenoid coils "L##"	

Temperature options
: Standard valve (-10°C ... +50°C)
LT : Low temperature (-30°C ... +50°C)

Example: 515.52.00.39.B04: Standard valve, G1/4" connections supplied without plate, solenoid-spring 5 ways, 12 VDC solenoid coil

1
AIR DISTRIBUTION



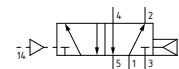
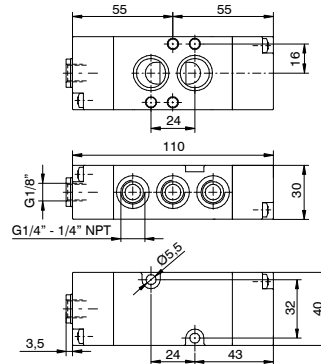
AIR DISTRIBUTION

CODING: M51C.52.00.16

Pneumatic-Differential

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

M	MODEL
	= Standard valve
	X = ATEX valve
C	CONNECTIONS
	5 = G1/4"
	7 = 1/4" NPT
O	TEMPERATURE OPTION
	SEE ORDER CODES PAGE



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

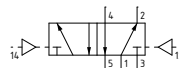
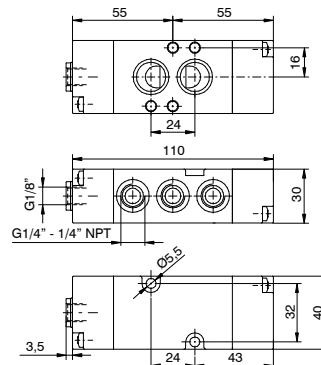
M51C.52.00.16

CODING: M51C.52.00.18

Pneumatic-Pneumatic

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

M	MODEL
	= Standard valve
	X = ATEX valve
C	CONNECTIONS
	5 = G1/4"
	7 = 1/4" NPT
O	TEMPERATURE OPTION
	SEE ORDER CODES PAGE



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

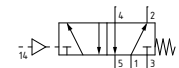
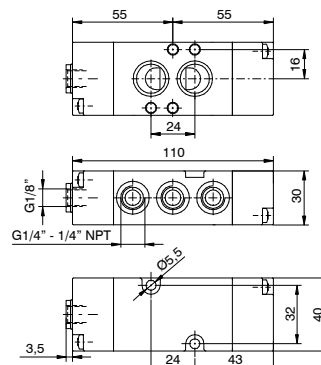
M51C.52.00.18

CODING: M51C.52.00.19

Pneumatic-Spring

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

M	MODEL
	= Standard valve
	X = ATEX valve
C	CONNECTIONS
	5 = G1/4"
	7 = 1/4" NPT
O	TEMPERATURE OPTION
	SEE ORDER CODES PAGE



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

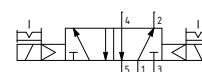
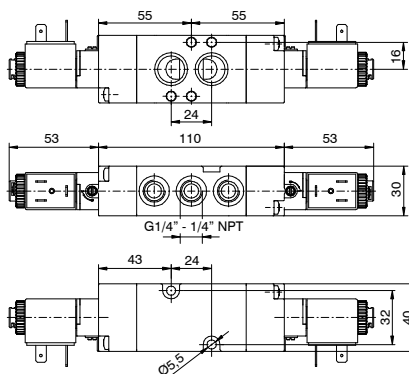
M51C.52.00.19

Solenoid-Solenoid

CODING: M51C.52.00.35.TO

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

M	MODEL
	= Standard valve
	X = ATEX valve
C	CONNECTIONS
	5 = G1/4"
	7 = 1/4" NPT
T	VOLTAGE
	SEE ORDER CODES PAGE
O	TEMPERATURE OPTION
	SEE ORDER CODES PAGE



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

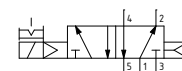
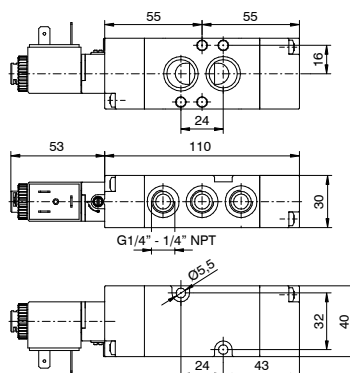
M51C.52.00.35.TO

Solenoid-Differential

CODING: M51C.52.00.36.TO

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

M	MODEL
	= Standard valve
	X = ATEX valve
C	CONNECTIONS
	5 = G1/4"
	7 = 1/4" NPT
T	VOLTAGE
	SEE ORDER CODES PAGE
O	TEMPERATURE OPTION
	SEE ORDER CODES PAGE



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

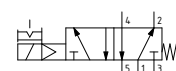
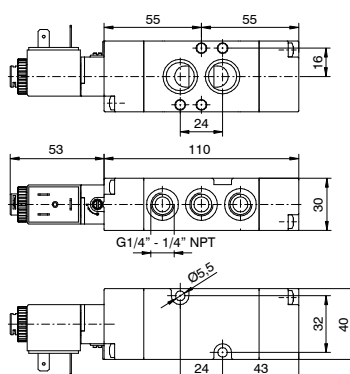
M51C.52.00.36.TO

Solenoid-Spring

CODING: M51C.52.00.39.TO

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

M	MODEL
	= Standard valve
	X = ATEX valve
C	CONNECTIONS
	5 = G1/4"
	7 = 1/4" NPT
T	VOLTAGE
	SEE ORDER CODES PAGE
O	TEMPERATURE OPTION
	SEE ORDER CODES PAGE



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

M51C.52.00.39.TO