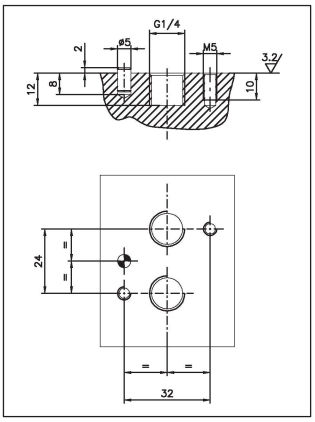
Series 515 High Performance

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.

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



Construction characteristics

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

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

Function and version
52.00.16: 5 ways - Pneumatic-Differential
52.00.18: 5 ways - Pneumatic-Pneumatic
52.00.19: 5 ways - Pneumatic-Spring
52.00.35: 5 ways - Solenoid-Solenoid
52.00.36: 5 ways - Solenoid-Differential
52.00.39: 5 ways - 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 UKCA Ex II 2G Ex h IIC T5 Gb X CE UKCA Ex II 2D Ex h IIIC T96°C Db X	/
B04: 12 VDC - for all models **B05**: 24 VDC - for all models **B09**: 24 VDC (2W) - only for standard model **B56**: 24 VAC (50-60 Hz) - for all models **B57**: 110 VAC (50-60 Hz) - for all models **B58**: 230 VAC (50-60 Hz) - for all models **C04**: 12 VDC - for all models **C05**: 24 VDC - for all models **C09**: 24 VDC (2W) - only for standard model **C56**: 24 VAC (50-60 Hz) - for all models **C57**: 110 VAC (50-60 Hz) - for all models **C58**: 230 VAC (50-60 Hz) - for all models	: CE UKCA Ex II 3G Ex h IIC T4 Gc X CE UKCA Ex 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 UKCA Ex II 2G Ex h IIC T5 Gb X CE UKCA Ex II 2D Ex h IIIC T96°C Db X	/
X05: 24 VDC - only for ATEX model **X56**: 24 VAC (50-60 Hz) - only for ATEX model **X57**: 110 VAC (50-60 Hz) - only for ATEX model **X58**: 230 VAC (50-60 Hz) - only for ATEX model	: CE UKCA Ex II 2G Ex h IIC T4 Gb X CE UKCA Ex II 2D Ex h IIIC T135°C Db X IP65	Ex mb
MHC: 32 VDC T6 - only for ATEX model complete with connector	: CE UKCA Ex II 2G Ex h IIB/IIC T4 Gb X CE UKCA Ex II 2D Ex h IIIC T130°C Db X IP65	Ex ia
MH4: 32 VDC T4 - only for ATEX model **MH6**: 32 VDC T6 - only for ATEX model	: CE UKCA Ex II 2G Ex h IIB/IIC T4 Gb X	Ex ia
Voltages	**Valve marking with FM solenoid coil**	
L04: 12 VDC - only for FM APPROVED model **L05**: 24 VDC - only for FM APPROVED model **L39**: 120 VAC - only for FM APPROVED model **L41**: 240 VAC - only for FM APPROVED model	FM C US APPROVED	
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)

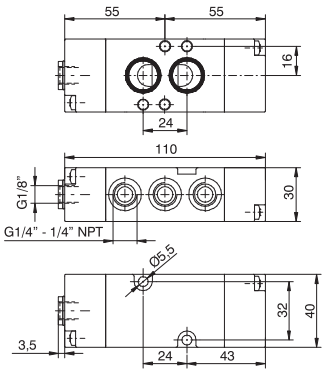
Example : 515.52.00.39.B04 : Standard valve, G1/4" connections supplied without plate, solenoid-spring 5 ways, 12 VDC solenoid coil

Pneumatic - Differential

Coding: Ⓜ51Ⓒ.52.00.16Ⓞ

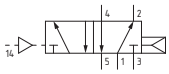
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

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



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

Ⓜ51Ⓒ.52.00.16Ⓞ

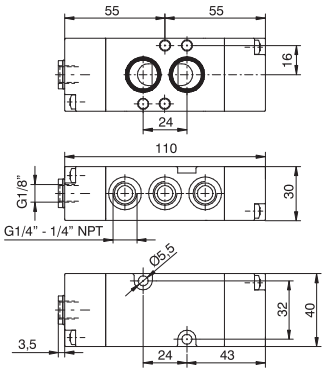


Pneumatic-Pneumatic

Coding: Ⓜ51Ⓒ.52.00.18Ⓞ

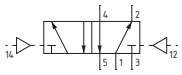
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

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



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

Ⓜ51Ⓒ.52.00.18Ⓞ

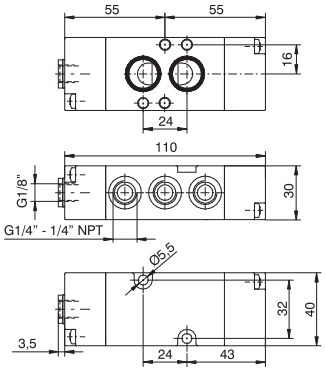


Pneumatic - Spring

Coding: Ⓜ51Ⓒ.52.00.19Ⓞ

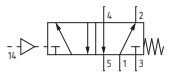
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

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



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

Ⓜ51Ⓒ.52.00.19Ⓞ

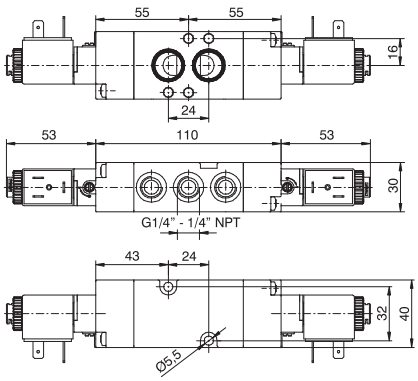


Solenoid-Solenoid

Coding: Ⓜ51Ⓒ.52.00.35.ⓋⓄ

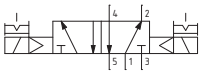
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

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



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

Ⓜ51Ⓒ.52.00.35.ⓋⓄ

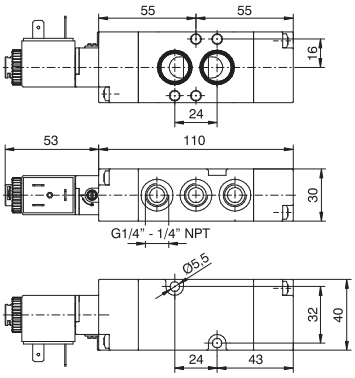


Solenoid-Differential

Coding: Ⓜ51Ⓒ.52.00.36.ⓋⓄ

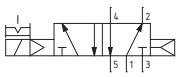
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max. working pressure (bar)	10
Temperature °C	See order codes page
Flow rate at 6 bar with Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

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



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

Ⓜ51Ⓒ.52.00.36.ⓉⓄ

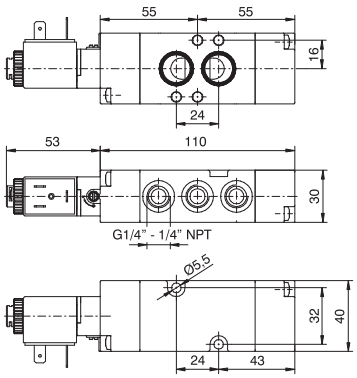


Solenoid-Spring

Coding: Ⓜ51Ⓒ.52.00.39.ⓉⓄ

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 Δp=1 (Nl/min)	1100
Orifice size (mm)	8
Working ports size	G 1/4" - 1/4" NPT
Cv	1,11
kv	16,66

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



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

Ⓜ51Ⓒ.52.00.39.ⓉⓄ