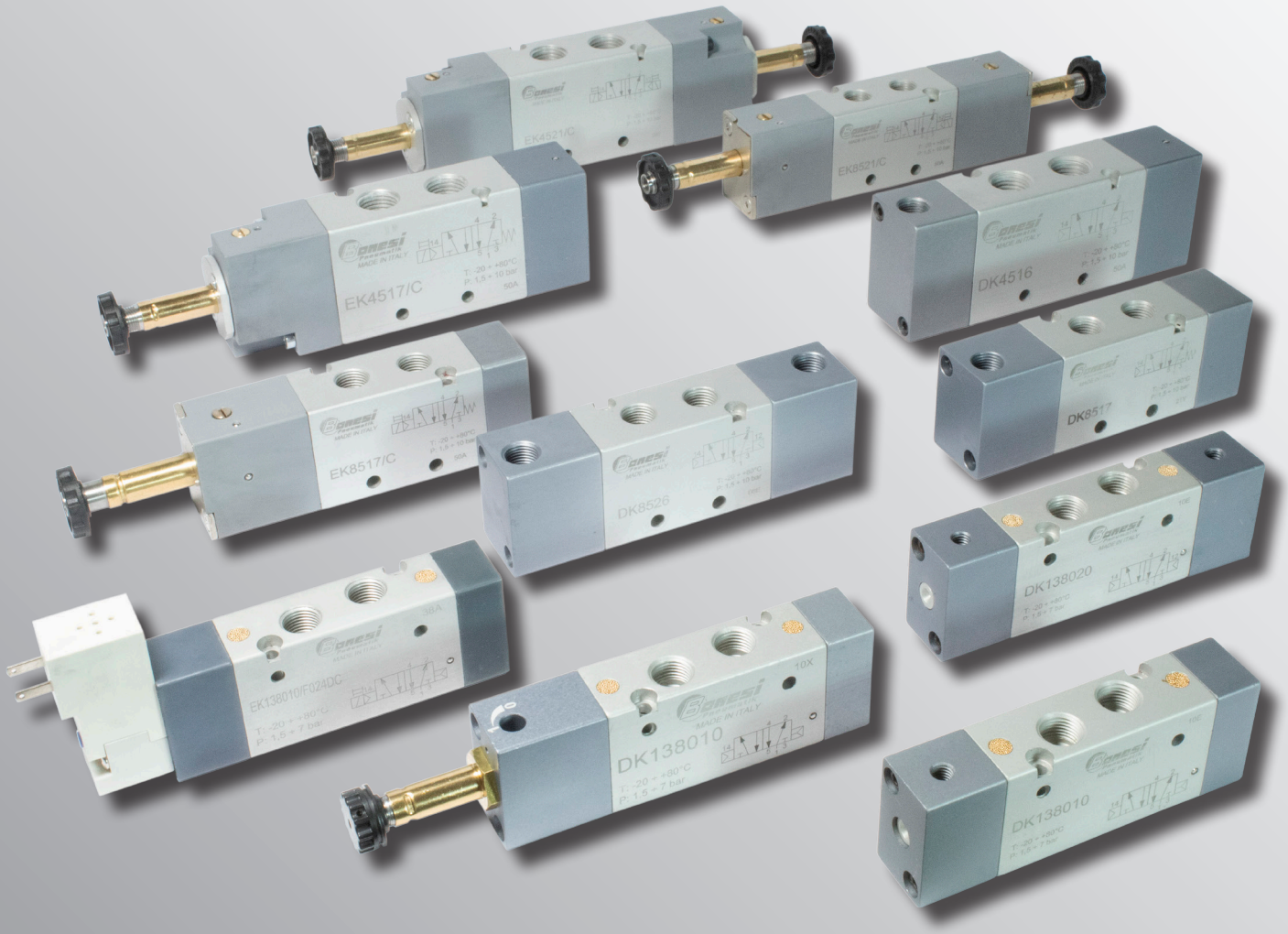
K Series

Spool valves



CERTIFIED
ISO 9001

Bonesi Pneumatik

Balanced spool pneumatic microvalves - K Series

Connections: 1/8"

K SERIES

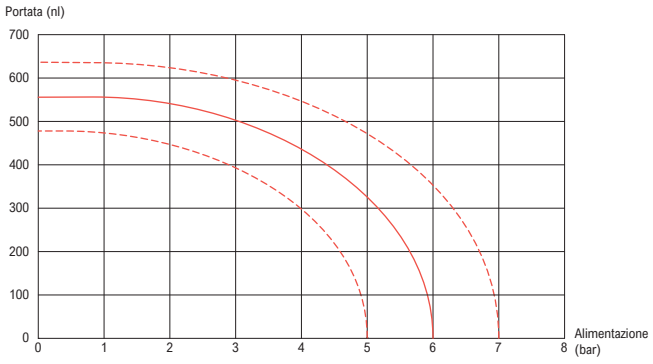


- Balanced spool valves with dynamic sealing
- Fast switching times
- Small footprint
- Anodised aluminium body and bases
- Pneumatically operated with external piloting
- Possibility of series assembly

TECHNICAL FEATURES		
Function		5/2
Operation		Pneumatic: External piloting - Monostable pneumatic spring return, bistable
Materials		Body, base and cover in anodised aluminium alloy - Internal components in steel - aluminium - brass NBR gaskets
Note on materials		Compliant with REACH (1907/2006/EC and subsequent amendments)
Connections		1/8" Gas
Threads		Cylindrical gases (BSPP)
Operating temperature		0°C ÷ 80°C (-20°C with dry air, to avoid ice formation)
Operating pressure		0 ÷ 7 bar
Pilot actuation pressure		1.5 bar
Air flow rate		1/8"
Nominal diameter		4mm
Supply pressure	5 bar	320 Nl/min
(with ΔP 1 bar)	6 bar	350 Nl/min
	7 bar	400 Nl/min
		See flow diagram page 3.1.05.1
Fluid		Filtered air, lubrication-free, compliant with ISO 8573-1:2010 [7:4:4]
Lubrication		Not required (if required in the pneumatic circuit, it must be continuous)

FLOW DIAGRAMS - PNEUMATICALLY OPERATED VALVES

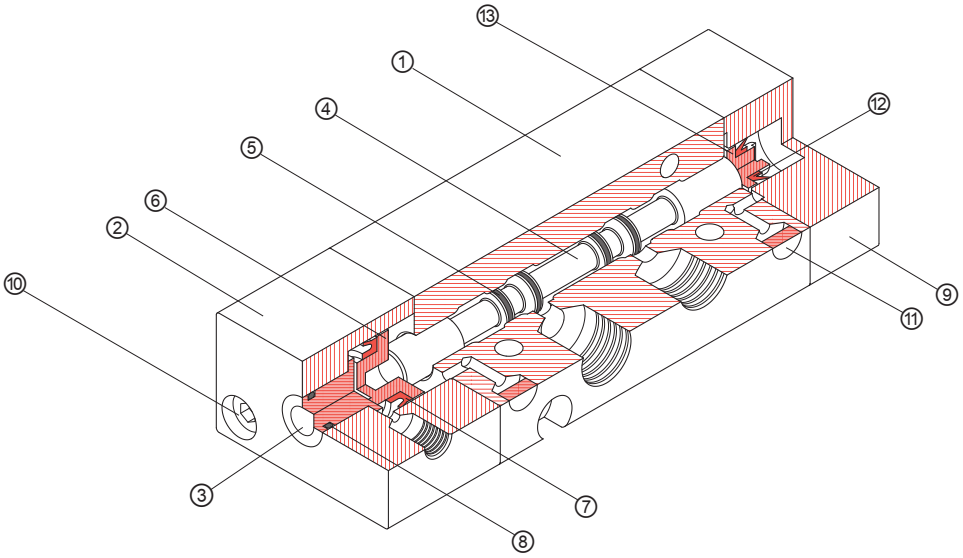
FLOW RATE DIAGRAM - 1/8" MICROVALVE



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MATERIALS - PNEUMATICALLY OPERATED VALVES

POS	DESCRIPTION	MATERIALS	POS	DESCRIPTION	MATERIALS
①	Body	Anodised drawn aluminium	⑧	O-ring	Nitrile rubber (NBR)
②	Cover	Anodised drawn aluminium	⑨	Base	Anodised aluminium
③	Manual control	Anodised aluminium	⑩	Screw	Galvanised steel
④	Spool	Anodised aluminium	⑪	Silencer	Sintered bronze
⑤	Sealing gasket	Nitrile rubber (BUNA-N)	⑫	Sealing gasket	Nitrile rubber (NBR)
⑥	Piston	Nylon	⑬	Piston	Galvanised aluminium
⑦	Piston gasket	PUR 90 ShA			



CODING KEY - PNEUMATICALLY OPERATED VALVES

Operation

DK

DK = Pneumatic External piloting

Function

13

13 = 5/2 Monostable 5/2 Bistable

Size

80

80 = 1/8" Gas

Version

10

10 = Monostable Pneumatic spring return

20 = Pneumatic bistable

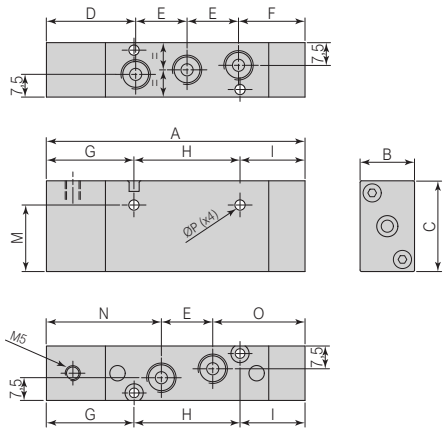
POSSIBLE CONFIGURATIONS

Operation	Function	Size	Version
DK Pneumatic external piloting	13 5/2 Monostable 5/2 Bistable	80 1/8" Gas	10 Monostable Pneumatic return 20 Pneumatic bistable

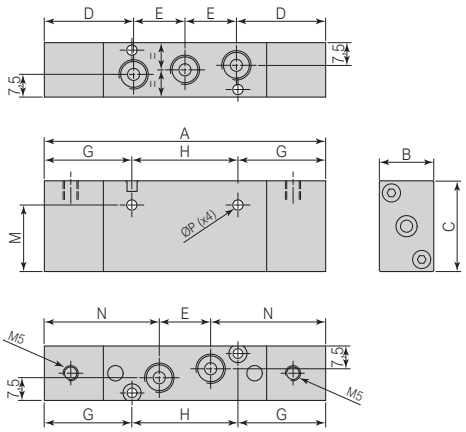
Standard sales terms and conditions available on www.bonesipneumatik.it

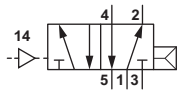
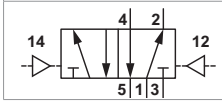
DIMENSIONS - PNEUMATICALLY OPERATED 5/2 VALVES

MONOSTABLE WITH PNEUMATIC BISTABLE



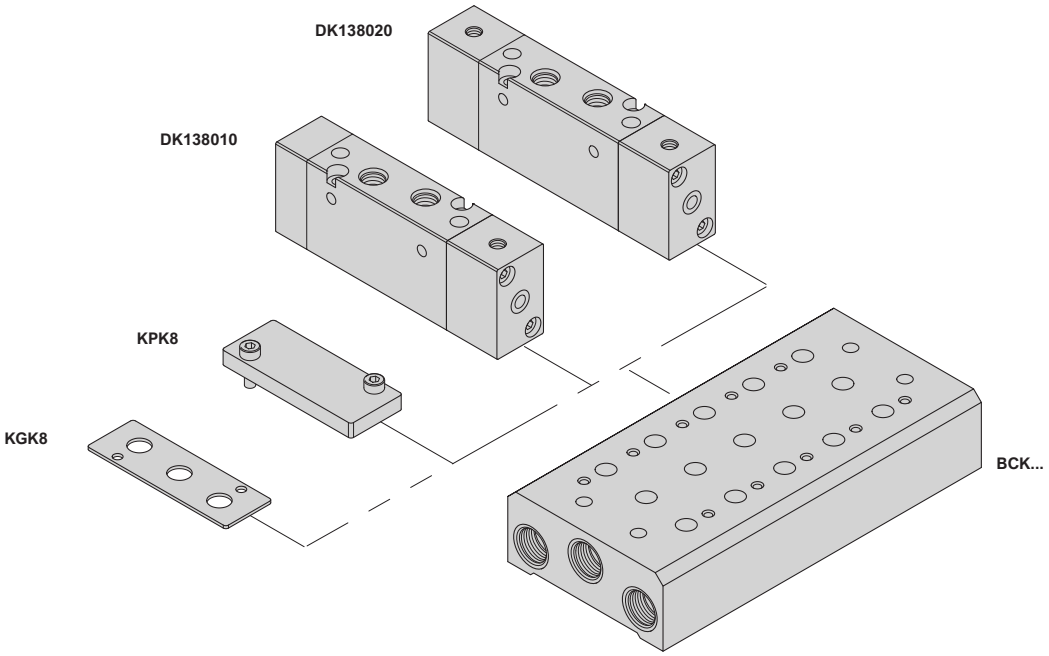
SPRING RETURN

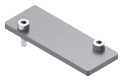


Symbol	Connections	Code	A	B	C	D	E	F	G	H	I	M	N	O	Ø P
	Gas 1/8"	DK138010	88.5	18	30	29.5	17	22	29	35	21.5	22	38	30.5	3.2
	Gas 1/8"	DK138020	93	18	30	29.5	17	-	29	35	-	22	38	-	3.2

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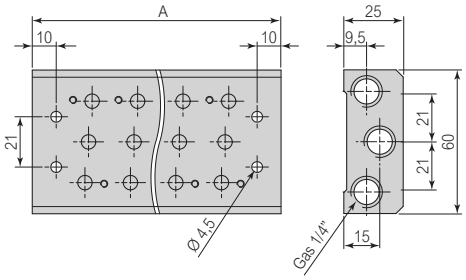
K SERIES ACCESSORIES



SUB-BASES BCK...									GASKET For BCK sub-base...	EXCLUSION PLATE For BCK sub-base...
										
Page 3.3.05.8									Page 3.3.05.19	Page 3.3.05.8
2 seats	3 seats	4 seats	5 seats	6 seats	7 seats	8 seats	9 seats	10 seats		
BCK82	BCK83	BCK84	BCK85	BCK86	BCK87	BCK88	BCK89	BCK810	KGK8	KPK8
Anodised aluminium sub-base Zinc-plated steel fixing screws - NBR gaskets									NBR gasket	Anodised aluminium plate Zinc-plated steel screws

ACCESSORIES

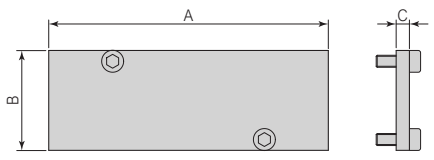
BCK ..
Sub-base



	A								
	BCK82	BCK83	BCK84	BCK85	BCK86	BCK87	BCK88	BCK89	BCK810
	2 seats	3 seats	4 seats	5 seats	6 seats	7 seats	8 seats	9 seats	10 seats
	66	85	104	123	142	161	180	199	218

Anodised aluminium sub-base - Zinc-plated steel fixing screws - NBR gaskets / 1 piece per pack

EXCLUSION PLATE
For BCK sub-bases...



Code	A	B	C
KPK8	54	20	3

Anodised aluminium plate - Zinc-plated steel fixing screws / 1 piece per pack

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Balanced spool electro-pneumatic microvalves - K Series

Connections: 1/8"

K SERIES



- Balanced spool valves with dynamic sealing
- Fast switching times
- Small footprint
- Anodised aluminium body and bases
- Electro-pneumatically operated with internal piloting
- Possibility of series assembly

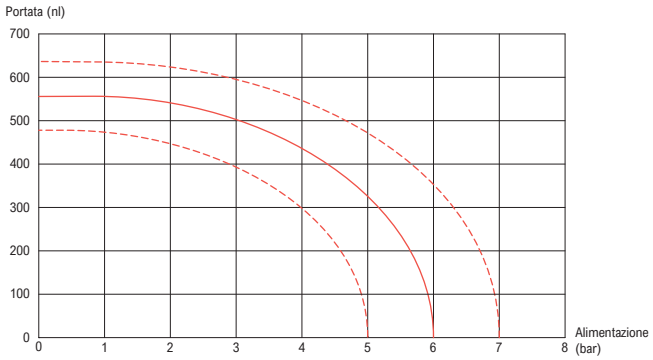
TECHNICAL FEATURES		
Function		5/2
Operation		Electropneumatic: Internal servopiloting - Monostable pneumatic, bistable spring return
Materials		Body, base and cover in anodised aluminium alloy - Internal components in steel - aluminium - brass NBR gaskets
Note on materials		Compliant with REACH (1907/2006/EC and subsequent amendments)
Connections		1/8" Gas
Threads		Cylindrical gases (BSPP)
Operating temperature		0°C ÷ 80°C (-20°C with dry air, to avoid ice formation)
Operating pressure		1.5 ÷ 7 bar
Pilot actuation pressure		1.5 bar
Air flow rate		1/8"
Nominal diameter		4mm
Supply pressure	5 bar	320 Nl/min
(with ΔP 1 bar)	6 bar	350 Nl/min
	7 bar	400 Nl/min
		See flow diagram page 3.1.05.6
Fluid		Filtered air, lubrication-free, compliant with ISO 8573-1:2010 [7:4:4]
Lubrication		Not required (if required in the pneumatic circuit, it must be continuous)

COILS ELECTRICAL CHARACTERISTICS				
Coil type	"ES" Type		"F" Type	
Operating voltage	12, 24 Vdc	24, 48, 110, 220 Vac	24 Vdc	24, 110, 220 Vac
Power (max.)	2.5 W	3.6 VA	2.5 W	3.0 VA
Voltage tolerance	± 10%		± 10%	
Protection class	IP65		IP65	
Other features	See from p. 3.1.05.10		See from p. 3.1.05.10	

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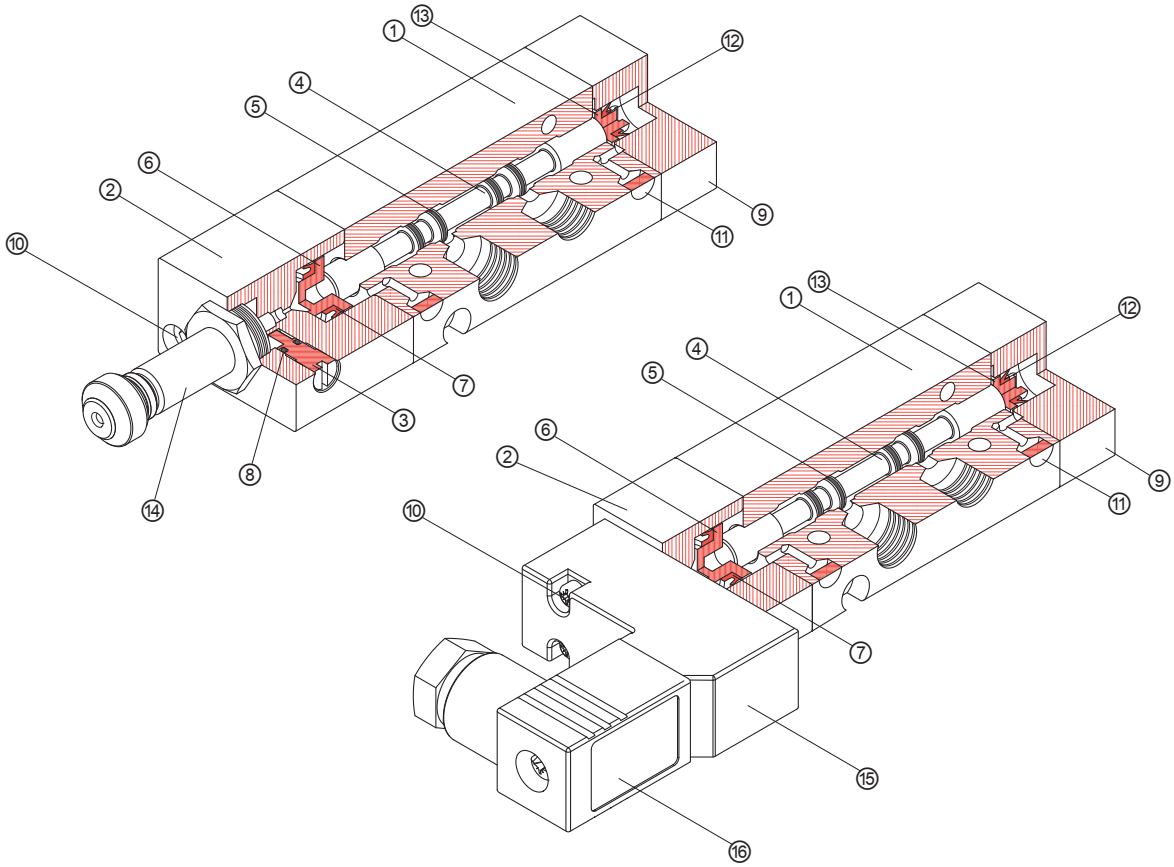
FLOW DIAGRAMS - ELECTRO-PNEUMATICALLY OPERATED VALVES

FLOW RATE DIAGRAM - 1/8" MICROVALVE



MATERIALS - ELECTRO-PNEUMATICALLY OPERATED VALVES

POS	DESCRIPTION	MATERIALS	POS	DESCRIPTION	MATERIALS
①	Body	Anodised drawn aluminium	⑨	Base	Anodised aluminium
②	Cover	Anodised drawn aluminium	⑩	Screw	Galvanised steel
③	Manual control	OT58 brass	⑪	Silencer	Sintered bronze
④	Spool	Anodised aluminium	⑫	Sealing gasket	Nitrile rubber (NBR)
⑤	Sealing gasket	Nitrile rubber (BUNA-N)	⑬	Piston	Galvanised aluminium
⑥	Piston	Nylon	⑭	Electropilot	Brass - Magnetic stainless steel
⑦	Piston gasket	PUR 90 ShA	⑮	Coil	NYLON + Fibreglass coating
⑧	O-ring	Nitrile rubber (NBR)	⑯	Connector	Nylon PA6 GF



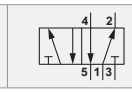
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CODING KEY - ELECTRO-PNEUMATICALLY OPERATED VALVES

Operation — **EK**

EK = Electropneumatic internal servo-pilot 

Function — **13**

13 = 5/2 Monostable 5/2 Bistable 

Size — **80**

80 = 1/8" Gas

Version — **10**

10 = Monostable Pneumatic spring return 

20 = Pneumatic bistable 

Piloting — □

NULL = Pneumatic
/ES = Electric for BOB ES coil...
/F024DC = Electric with BOB F024DC coil
/F024AC = Electric with BOB F024AC coil
/F110AC = Electric with BOB F110AC coil
/F220AC = Electric with BOB F220AC coil

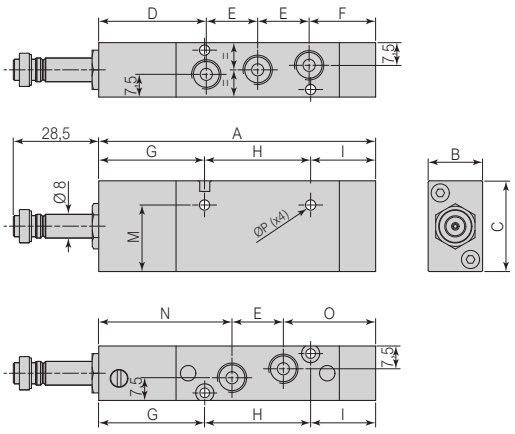
POSSIBLE CONFIGURATIONS

Operation	Function	Size	Version	Piloting
EK Electropneumatic external servo pilot	**13** 5/2 Monostable 5/2 Bistable	**80** 1/8" Gas	**10** Monostable Pneumatic return **20** Pneumatic bistable	**/ES** ES Coil See p..... **/F024DC** F Coil 24 Vdc - 2.5 W **/F024AC** F Coil 24 Vac - 3.0 VA **/F110AC** F Coil 110 Vac - 3.0 VA **/F220AC** F Coil 220 Vac - 3.0 VA

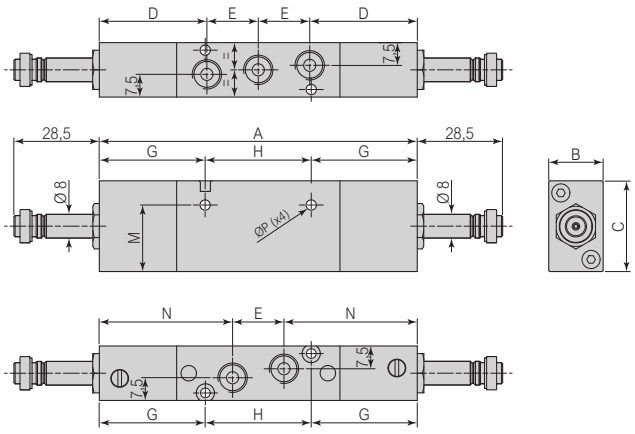
Standard sales terms and conditions available on www.bonesipneumatik.it

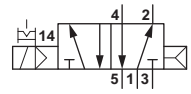
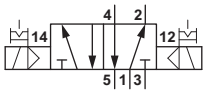
DIMENSIONS - 5/2 VALVES ELECTRO-PNEUMATICALLY OPERATED TYPE /ES

MONOSTABLE WITH PNEUMATIC BISTABLE



SPRING RETURN

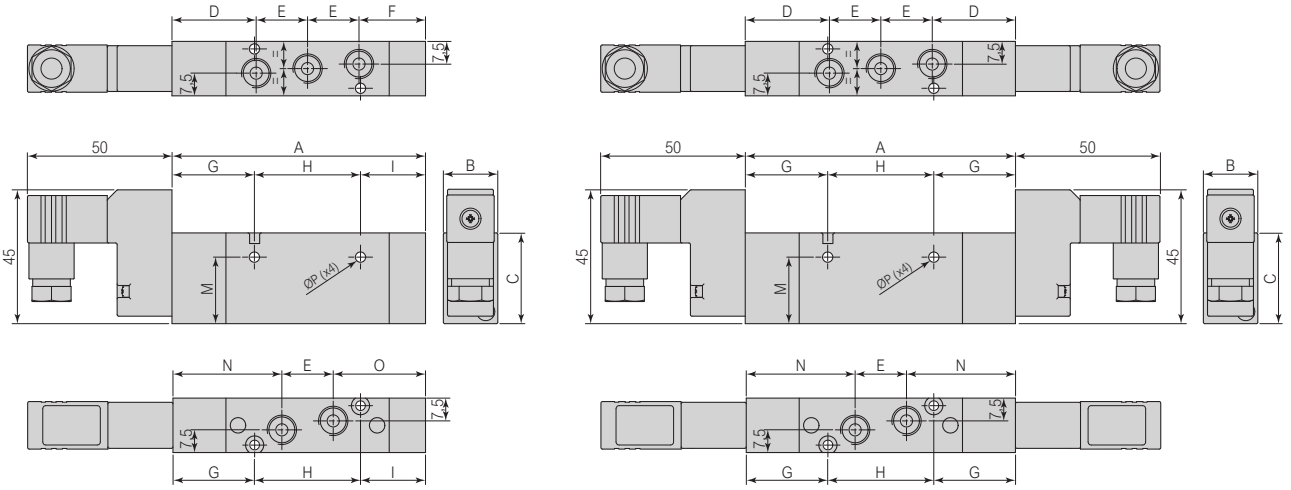


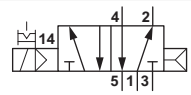
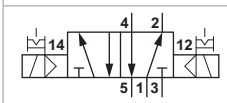
Symbol	Connections	Code	A	B	C	D	E	F	G	H	I	M	N	O	Ø P
	Gas 1/8"	EK138010/ES	91.5	18	30	35.5	17	22	35	35	21.5	22	44	30.5	3.2
	Gas 1/8"	EK138020/ES	105	18	30	29.5	17	-	35	35	-	22	44	-	3.2

DIMENSIONS - 5/2 VALVES ELECTRO-PNEUMATICALLY OPERATED TYPE /F...

MONOSTABLE WITH PNEUMATIC BISTABLE

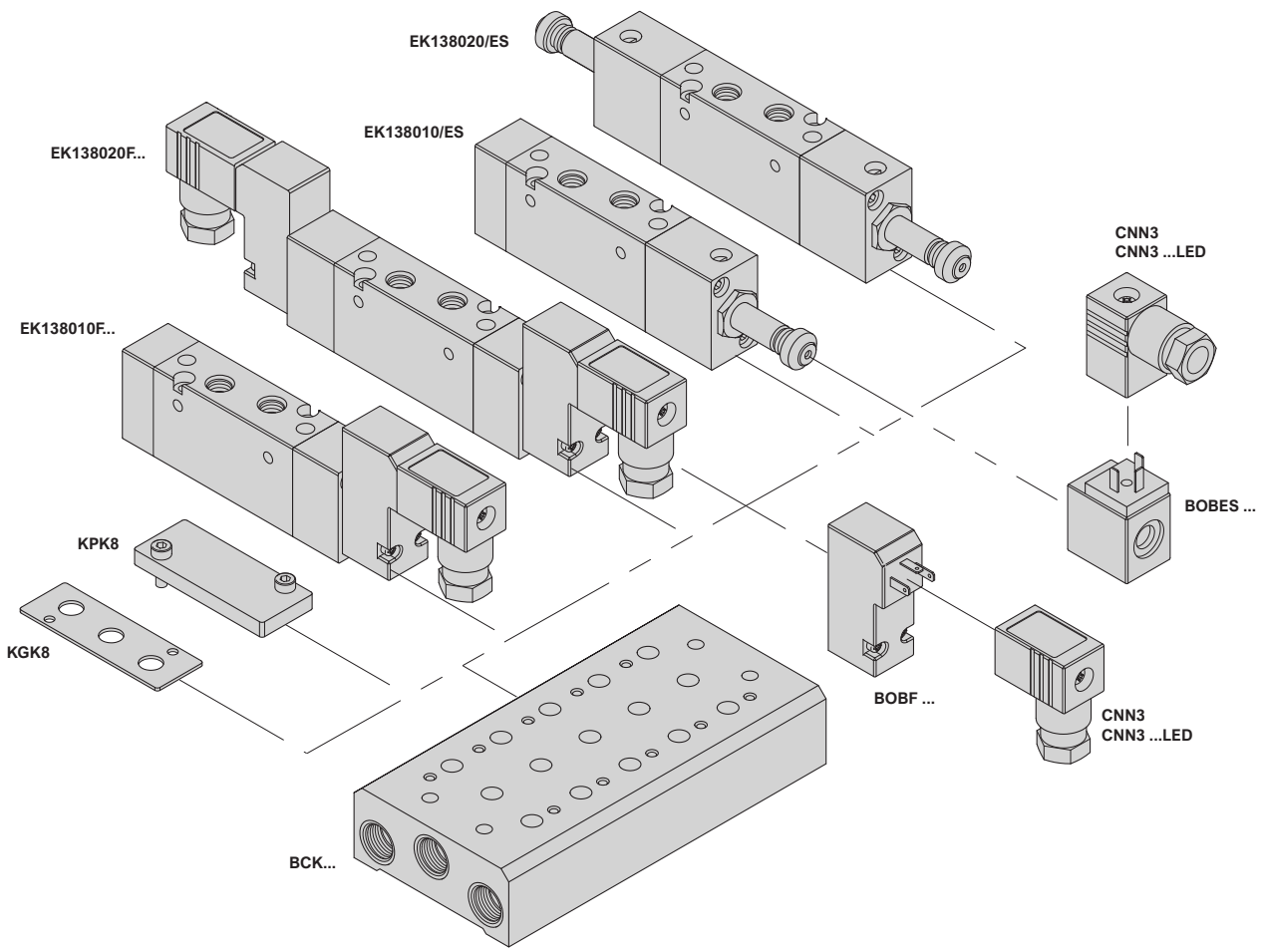
SPRING RETURN

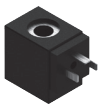


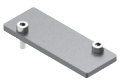
Symbol	Connections	Code	A	B	C	D	E	F	G	H	I	M	N	O	Ø P
	Gas 1/8"	EK138010/F...	83.5	18	30	27.5	17	22	27	35	21.5	21.5	36	30.5	3.2
	Gas 1/8"	EK138020/F...	89	18	30	27.5	17	-	27	35	-	21.5	36	-	3.2

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K SERIES ACCESSORIES



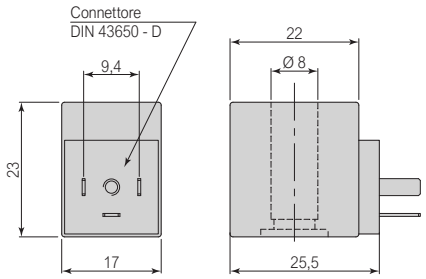
BOBES ... "ES" type coils AC / DC		**BOBF ...** "F" type coils AC / DC		**CNN3** Connectors for "F" type coils		**CNN3 ... LED** LED connectors for "F" type coils	
							
Page 3.1.05.10		Page 3.1.05.10		Page 3.1.05.11		Page 3.1.05.11	
12 Vdc	BOBES012DC	24 Vdc	BOBF024DC	0÷250 V ac/dc	CNN3	12 V ac/dc	CNN3 2 LED
24 Vdc	BOBES024DC	24 Vac	BOBF024AC			24 V ac/dc	CNN3 2 LED
24 Vac	BOBES024AC	110 Vac	BOBF110AC			115 V ac/dc	CNN3 4 LED
110 Vac	BOBES110AC	220 Vac	BOBF220AC			230 V ac/dc	CNN3 5 LED
220 Vac	BOBES220AC						
Coating in NYLON + FIBREGLASS		RESIN body NBR gasket		PA6 GF		PA6 GF - PA12	

SUB-BASES BCK...									**GASKET** For BCK sub-base...	**EXCLUSION PLATE** For BCK sub-base...
										
Page 3.1.05.11										Page 3.1.05.11
2 seats	3 seats	4 seats	5 seats	6 seats	7 seats	8 seats	9 seats	10 seats		
BCK82	BCK83	BCK84	BCK85	BCK86	BCK87	BCK88	BCK89	BCK810	KGK8	KPK8
Anodised aluminium sub-base Zinc-plated steel fixing screws - NBR gaskets									NBR gasket	Anodised aluminium plate Zinc-plated steel screws

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"ES" type COILS

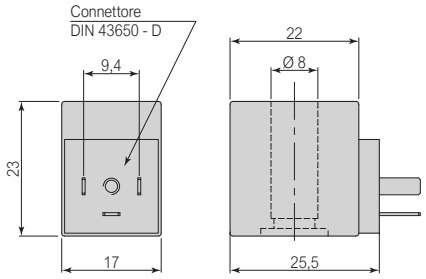
BOBES ...
Direct current coils



Technical features		
Code	BOBES012DC	BOBES024DC
Operating voltage	12 VDC	24 VDC
Power (max.)	2.5 W	
Voltage tolerance	±10% (of nominal voltage)	
Insulation class	155°C (F)	
Wire insulation class	200°C (H)	
Insertion duration	100% (at 20°C)	
Electrical connection	INDUSTRIAL (AMP 6.3 x 0.8) form B	
Protection class	IP54 (with connector) IP65 (with connector and suitable gaskets)	
Material	NYLON + Fibreglass coating	

BOBES... / 1 piece per pack

BOBES ...
AC coils

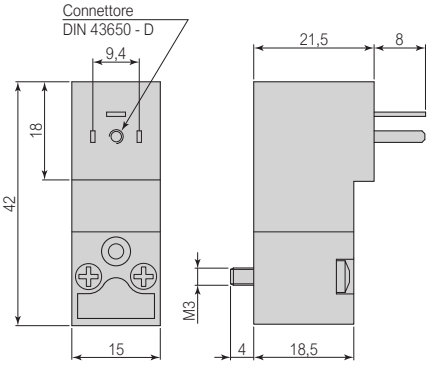


Technical features			
Code	BOBE024AC	BOBE110AC	BOBE220AC
Operating voltage	24 VAC	110 VAC	220 VAC
Power (max.)	3.6 VA		
Voltage tolerance	±10% (of nominal voltage)		
Insulation class	155°C (F)		
Wire insulation class	200°C (H)		
Insertion duration	100% (at 20°C)		
Electrical connection	INDUSTRIAL (AMP 6.3 x 0.8) form B		
Protection class	IP54 (with connector) IP65 (with connector and suitable gaskets)		
Material	NYLON + Fibreglass coating		

BOBES... / 1 piece per pack

"F" type COILS (15 mm)

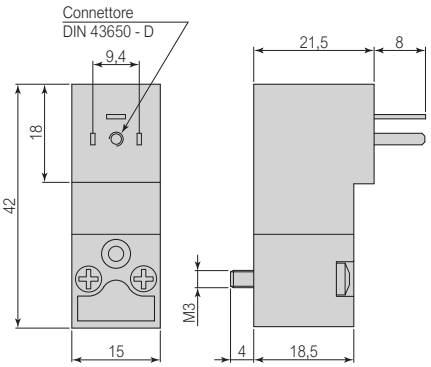
BOBF ...
Direct current coils



Technical features		
Code	BOBF024DC	
Operating voltage	24 VDC	
Power (max.)	2.5 W	
Voltage tolerance	±10% (of nominal voltage)	
Insulation class	200°C (H)	
Insertion duration	100% (at 20°C)	
Electrical connection	DIN 43650 form D	
Version	3/2 N.C.	
Work pressure	0 ÷ 7 bar	
Protection class	IP65 (with connector and suitable gaskets)	
Material	RESIN body, NBR gasket, steel screws	

BOBF... / 1 piece per pack

BOBF ...
AC coils



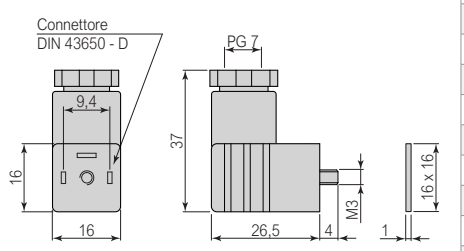
Technical features			
Code	BOBF024AC	BOBF110AC	BOBF220AC
Operating voltage	24 VAC	110 VAC	220 VAC
Power (max.)	3.0 VA		
Voltage tolerance	±10% (of nominal voltage)		
Insulation class	200°C (H)		
Insertion duration	100% (at 20°C)		
Electrical connection	DIN 43650 form D		
Version	3/2 N.C.		
Work pressure	0 ÷ 7 bar		
Protection class	IP65 (with connector and suitable gaskets)		
Material	RESIN body, NBR gasket, steel screws		

BOBF... / 1 piece per pack

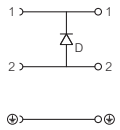
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CONNECTORS for "ES" and "F" type coils

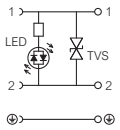
CNN3...
Connector for "ES" type coils



CNN3



CNN3...LED

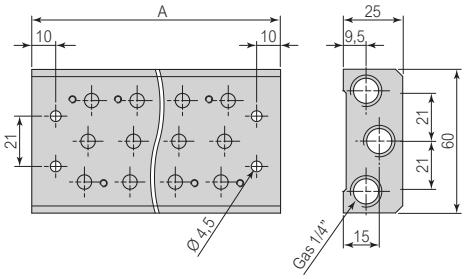


Technical features				
Code	CNN3	CNN3 2 LED	CNN3 4 LED	CNN3 5 LED
Voltage	0÷250 V AC/DC	24 V AC/DC	115 V AC/DC	230 V AC/DC
Current (max.)	4 A	4 A	5 A	5 A
Contact resistance (max.)	15 mΩ			
Overvoltage category	III			
Conductor cross-section (max.)	1.5 mm² (without terminals)			
Cable clamp thread	PG7			
Operating temperature	-40°C ÷ +100°C	-20°C ÷ +80°C	-20°C ÷ +80°C	-20°C ÷ +80°C
Electrical connection	DIN 43650 form D			
Protection class	IP65 (properly assembled)			
Insert and case materials	PA6 GF - PA6 GF	PA6 GF - PA12	PA6 GF - PA12	PA6 GF - PA12
Visual indicator	None	Yellow LED diode	Yellow LED diode	Yellow LED diode
Colour	Black	Clear	Clear	Clear
Electrical circuit protection	Diode	TVS Circuit	TVS Circuit	TVS Circuit
Fixing type	Central screw M3x27,5			

CNN3... / Insert, case, gasket and fixing screw - 1 piece per pack

ACCESSORIES

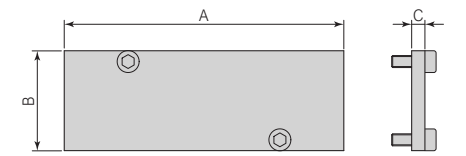
BCK ..
Sub-base



	A								
	BCK82	BCK83	BCK84	BCK85	BCK86	BCK87	BCK88	BCK89	BCK810
	2 seats	3 seats	4 seats	5 seats	6 seats	7 seats	8 seats	9 seats	10 seats
	66	85	104	123	142	161	180	199	218

Anodised aluminium sub-base - Zinc-plated steel fixing screws - NBR gaskets / 1 piece per pack

EXCLUSION PLATE
For BCK sub-bases...



Code	A	B	C
KPK8	54	20	3

Anodised aluminium plate - Zinc-plated steel fixing screws / 1 piece per pack

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Balanced spool pneumatic valves - K83 Series

Connections: 1/8" - 1/4"

K SERIES



- Balanced spool valves with static sealing
- Fast switching times
- Small footprint
- Anodised aluminium body and bases
- Pneumatically operated with external piloting
- Possibility of series assembly
- ATEX 2014/34/EU certificates available

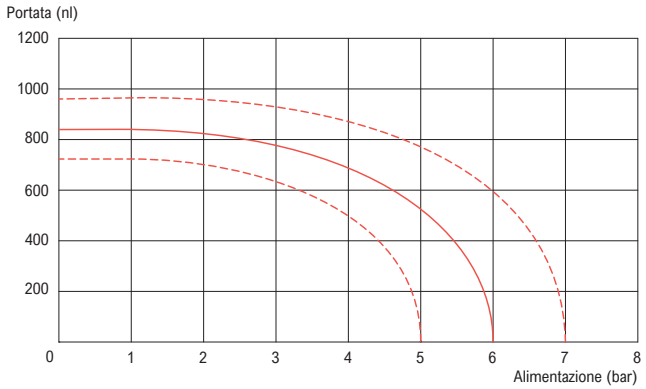
TECHNICAL FEATURES			
Function		5/2 - 5/3	
Operation		Pneumatic: External piloting - Monostable mechanical and pneumatic, bistable spring return,three positions	
Materials		Body, base and cover in anodised aluminium alloy - Internal components in steel - aluminium - brass NBR gaskets	
Note on materials		Compliant with REACH (1907/2006/EC and subsequent amendments)	
Connections		1/8" - 1/4" Gas	
Threads		Cylindrical gases (BSPP)	
Operating temperature		0°C ÷ 80°C (-20°C with dry air, to avoid ice formation)	
Operating pressure		0 ÷ 10 bar	
Pilot actuation pressure		2 bar	
Air flow rate		1/8"	1/4"
Nominal diameter		5mm	7.5mm
Supply pressure	5 bar	500 Nl/min	1000 Nl/min
(with ΔP 1 bar)	6 bar	550 Nl/min	1100 Nl/min
	7 bar	600 Nl/min	1200 Nl/min
		See flow diagram page 3.1.05.13	
Fluid		Filtered air, lubrication-free, compliant with ISO 8573-1:2010 [7:4:4]	
Lubrication		Not required (if required in the pneumatic circuit, it must be continuous)	

ATEX CERTIFICATION	
Valve marking	CE Ⓔx II 2G Ex h IIC T6 Gb (Zone 1 and Zone 2) CE Ⓔx II 2D Ex h IIIC 85°C Db (Zone 21 and Zone 22)
Operating pressure in ATEX environment	0.5 ÷ 10 bar
ATEX ambient temperature	-20°C ≤ Ta ≤ +60°C
CE marking	In compliance with Directive 2014/34/EU (see declaration of conformity)

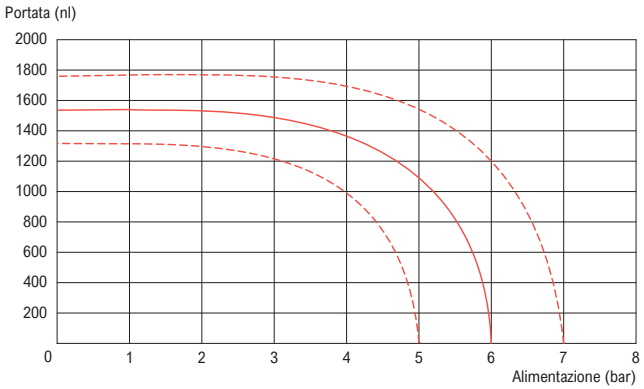
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FLOW DIAGRAMS - PNEUMATICALLY OPERATED VALVES

FLOW RATE DIAGRAM - SIZE 1/8"

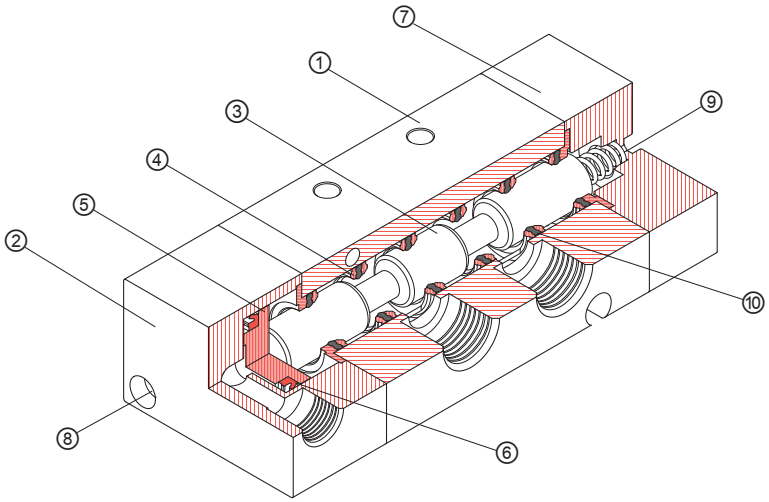


FLOW RATE DIAGRAM - SIZE 1/4"



MATERIALS - PNEUMATICALLY OPERATED VALVES

POS	DESCRIPTION	MATERIALS	POS	DESCRIPTION	MATERIALS
①	Body	Anodised drawn aluminium	⑥	Piston gasket	PUR 85 ShA
②	Cover	Anodised drawn aluminium	⑦	Base	Anodised drawn aluminium
③	Spool	Anodised aluminium	⑧	Screw	Galvanised steel
④	Spacers	OT58 brass	⑨	Spring	Harmonic steel
⑤	Piston	Anodised aluminium	⑩	Sealing gasket	Nitrile rubber (NBR)



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CODING KEY - PNEUMATICALLY OPERATED VALVES

Operation

DK = Pneumatic External piloting

Size

8 = 1/8" Gas
4 = 1/4" Gas

Function

1 = 3/2 Normally open

3 = 3/2 Normally closed 3/2 Bistable

5 = 5/2 Monostable 5/2 Bistable

6 = 5/3 Open centres

7 = 5/3 Closed centres

Version

16 = Monostable Pneumatic spring return

17 = Monostable Mechanical spring return

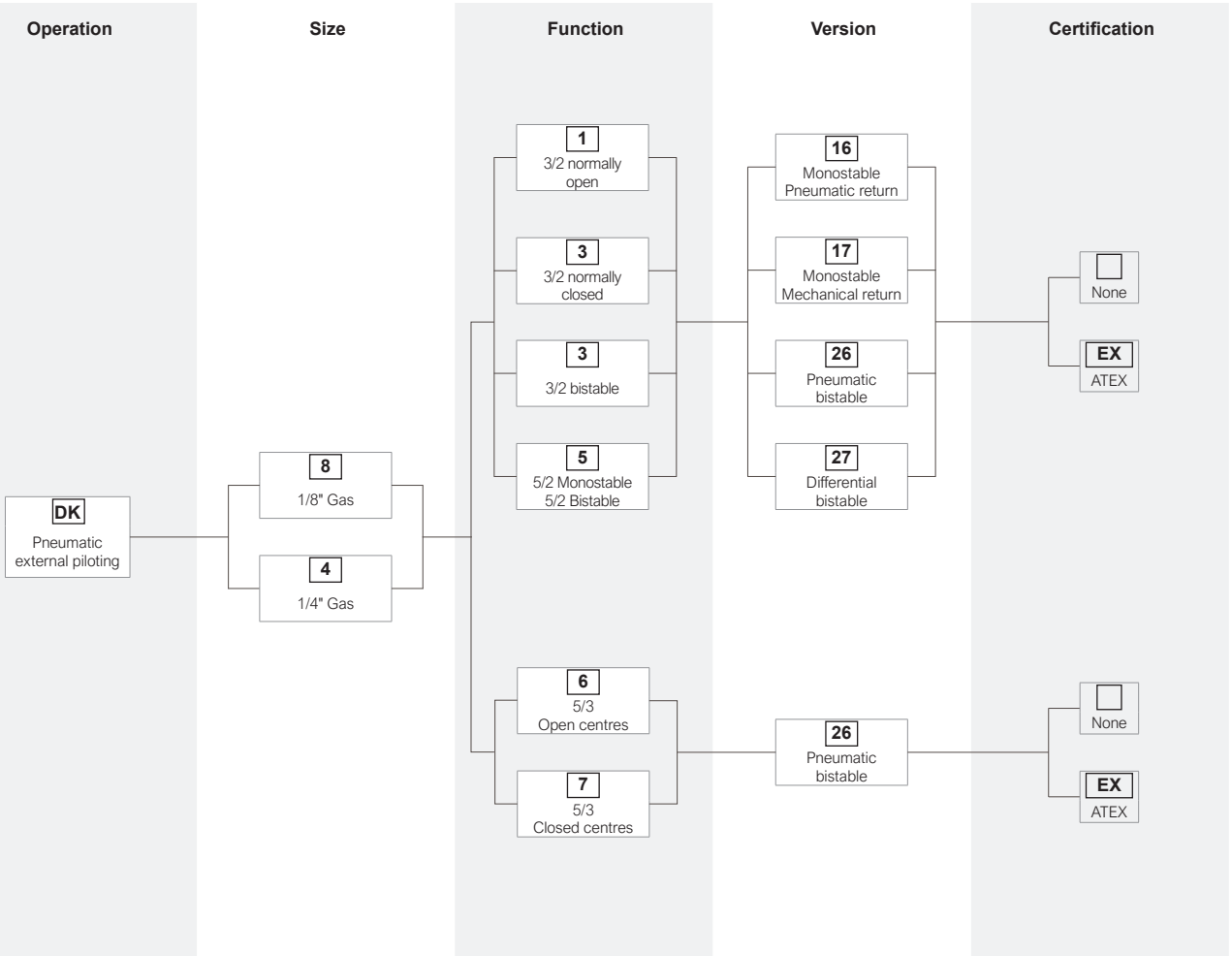
26 = Pneumatic bistable

27 = Differential bistable Pneumatics

Certification

NULL = None
EX = For compressed air in potentially explosive atmosphere (ATEX)

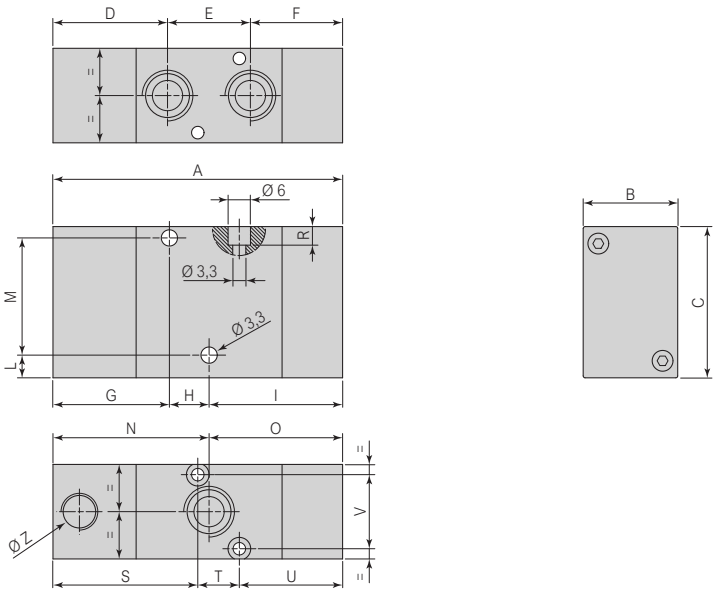
POSSIBLE CONFIGURATIONS

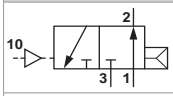
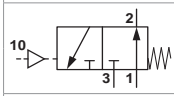
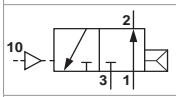
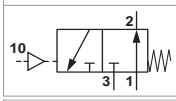


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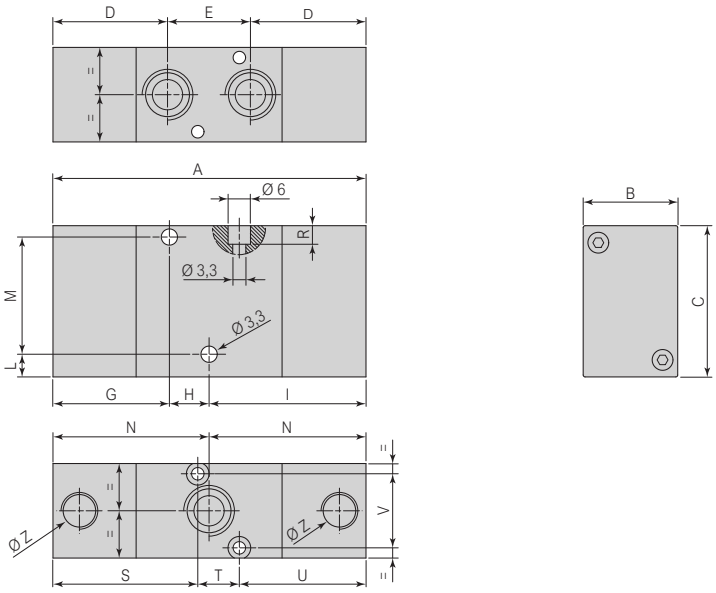
DIMENSIONS - PNEUMATICALLY OPERATED 3/2 VALVES

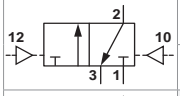
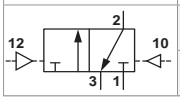
PNEUMATIC OPERATION - NORMALLY OPEN / CLOSED - MONOSTABLE WITH PNEUMATIC / MECHANICAL SPRING RETURN



Symbol	Function	Connections	Code	A	B	C	D	E	F	G	H	I	L	M	N	O	R	S	T	U	V	Ø Z
	NA	Gas 1/8"	DK8116	78,5	22	32	32,75	18	27,75	33,5	8,25	36,75	4,5	20,1	41,75	36,75	3	39,5	7,75	31,25	17,4	M5
		Gas 1/4"	DK4116	82,6	25	40	30,3	22	30,3	30,8	10,5	41,3	6	31	41,3	41,3	4	38,3	11	33,3	11	Gas 1/8"
	NA	Gas 1/8"	DK8117	73,5	22	32	32,75	18	22,75	33,5	8,25	31,75	4,5	20,1	41,75	31,75	3	39,5	7,75	26,25	17,4	M5
		Gas 1/4"	DK4117	76,6	25	40	30,3	22	24,3	30,8	10,5	35,5	6	31	41,3	35,3	4	38,3	11	27,3	11	Gas 1/8"
	NC	Gas 1/8"	DK8316	78,5	22	32	32,75	18	27,75	33,5	8,25	36,75	4,5	20,1	41,75	36,75	3	39,5	7,75	31,25	17,4	M5
		Gas 1/4"	DK4316	82,6	25	40	30,3	22	30,3	30,8	10,5	41,3	6	31	41,3	41,3	4	38,3	11	33,3	11	Gas 1/8"
	NC	Gas 1/8"	DK8317	73,5	22	32	32,75	18	22,75	33,5	8,25	31,75	4,5	20,1	41,75	31,75	3	39,5	7,75	26,25	17,4	M5
		Gas 1/4"	DK4317	76,6	25	40	30,3	22	24,3	30,8	10,5	35,5	6	31	41,3	35,3	4	38,3	11	27,3	11	Gas 1/8"

PNEUMATIC OPERATION - BISTABLE - DIFFERENTIAL BISTABLE

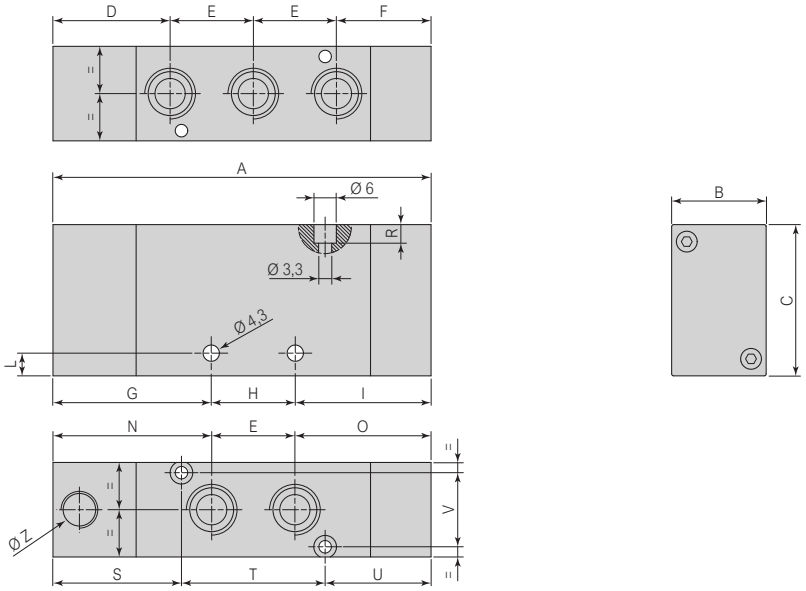


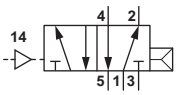
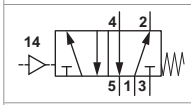
Symbol	Connections	Code	A	B	C	D	E	G	H	I	L	M	N	R	S	T	U	V	Ø Z
	Gas 1/8"	DK8326	83,5	22	32	32,75	18	33,5	8,25	41,75	4,5	20,1	41,75	3	39,5	7,75	36,25	17,4	M5
	Gas 1/4"	DK4326	82,6	25	40	30,3	22	30,8	10,5	41,3	6	31	41,3	4	38,3	11	33,3	11	Gas 1/8"
	Gas 1/8"	DK8327	83,5	22	32	32,75	18	33,5	8,25	41,75	4,5	20,1	41,75	3	39,5	7,75	36,25	17,4	M5
	Gas 1/4"	DK4327	82,6	25	40	30,3	22	30,8	10,5	41,3	6	31	41,3	4	38,3	11	33,3	11	Gas 1/8"

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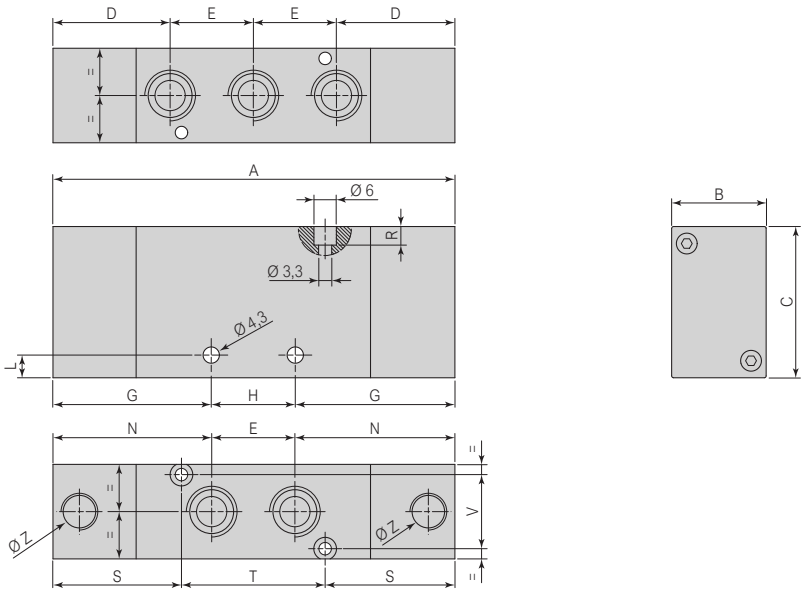
DIMENSIONS - PNEUMATICALLY OPERATED 5/2 VALVES

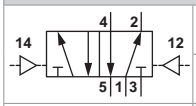
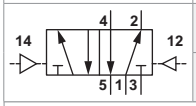
PNEUMATIC OPERATION - MONOSTABLE WITH PNEUMATIC / MECHANICAL SPRING RETURN



Symbol	Connections	Code	A	B	C	D	E	F	G	H	I	L	N	O	R	S	T	U	V	Ø Z
	Gas 1/8"	DK8516	96.5	22	32	32.75	18	27.75	41.75	18	36.75	4.5	41.75	36.75	3	35.75	30	30.75	17.4	M5
	Gas 1/4"	DK4516	106	25	40	31	22	31	42	22	42	6	42	42	4.5	34	38	34	19.6	Gas 1/8"
	Gas 1/8"	DK8517	91.5	22	32	32.75	18	22.75	41.75	18	31.75	4.5	41.75	31.75	3	35.75	30	25.75	17.4	M5
	Gas 1/4"	DK4517	100	25	40	31	22	25	42	22	36	6	42	36	4.5	34	38	28	19.6	Gas 1/8"

PNEUMATIC OPERATION - BISTABLE - DIFFERENTIAL BISTABLE

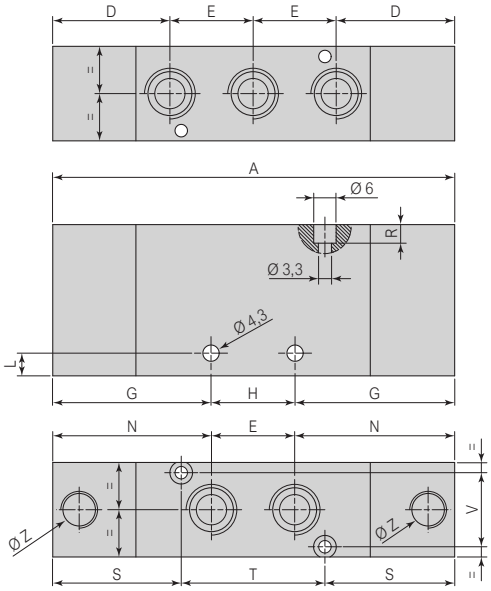


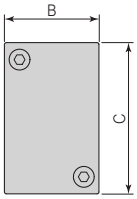
Symbol	Connections	Code	A	B	C	D	E	G	H	L	N	R	S	T	V	Ø Z
	Gas 1/8"	DK8526	101.5	22	32	32.75	18	41.75	18	4.5	41.75	3	35.75	30	17.4	M5
	Gas 1/4"	DK4526	106	25	40	31	22	42	22	6	42	4.5	34	38	19.6	Gas 1/8"
	Gas 1/8"	DK8527	101.5	22	32	32.75	18	41.75	18	4.5	41.75	3	35.75	30	17.4	M5
	Gas 1/4"	DK4527	106	25	40	31	22	42	22	6	42	4.5	34	38	19.6	Gas 1/8"

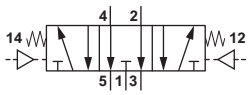
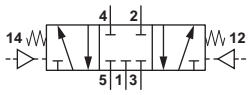
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DIMENSIONS - PNEUMATICALLY OPERATED 5/3 VALVES

PNEUMATIC OPERATION - THREE POSITIONS - CLOSED / OPEN CENTRES

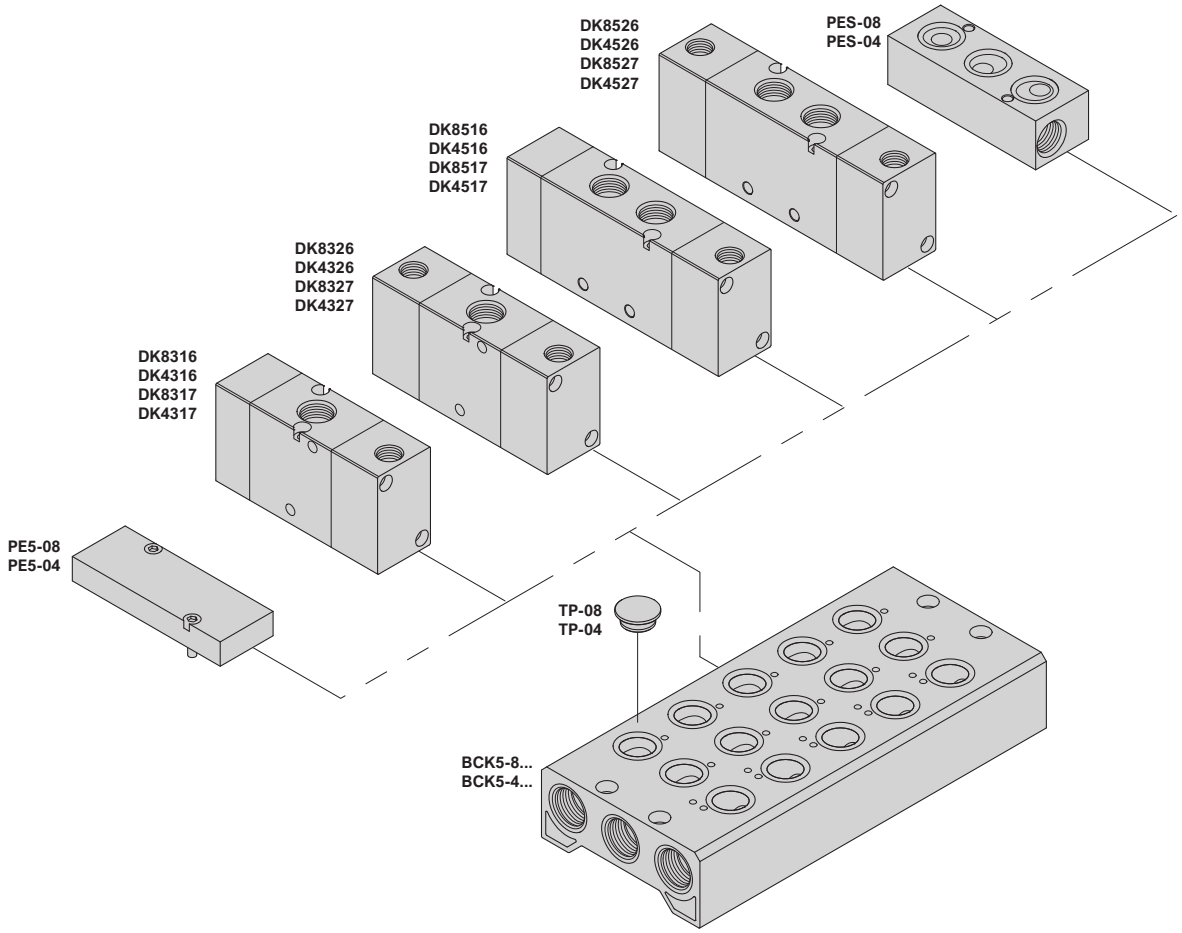


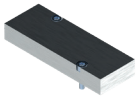


Symbol	Connections	Code	A	B	C	D	E	G	H	L	N	R	S	T	V	Ø Z
	Gas 1/8"	DK8621/C	101.5	22	32	32.75	18	41.75	18	4.5	41.75	3	35.75	30	17.4	M5
	Gas 1/4"	DK4621/C	106	25	40	31	22	42	22	6	42	4.5	34	38	19.6	Gas 1/8"
	Gas 1/8"	DK8721/C	101.5	22	32	32.75	18	41.75	18	4.5	41.75	3	35.75	30	17.4	M5
	Gas 1/4"	DK4721/C	106	25	40	31	22	42	22	6	42	4.5	34	38	19.6	Gas 1/8"

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K83 SERIES ACCESSORIES

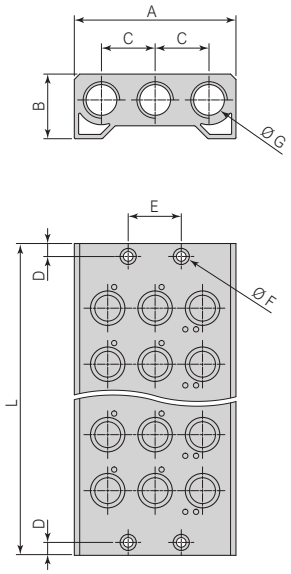


SUB-BASES BCK5...										CAP For BCK5 sub-base...	EXCLUSION PLATE For BCK5 sub-base...	SEPARATE SUPPLY For BCK5 sub-base...
												
Page 3.1.05.19										Page 3.1.05.19	Page 3.1.05.19	Page 3.1.05.19
Size	2 seats	3 seats	4 seats	5 seats	6 seats	7 seats	8 seats	9 seats	10 seats			
1/8"	BCK5-82	BCK5-83	BCK5-84	BCK5-85	BCK5-86	BCK5-87	BCK5-88	BCK5-89	BCK5-810	TP-08	PE5-08	PES-08
1/4"	BCK5-42	BCK5-43	BCK5-44	BCK5-45	BCK5-46	BCK5-47	BCK5-48	BCK5-49	BCK5-410	TP-04	PE5-04	PES-04
Anodised aluminium sub-base Zinc-plated steel fixing screws - NBR gaskets										Cap: Anodised aluminium NBR gasket	Plate: Anodised aluminium Screws: Galvanised steel	Plate: Anodised aluminium NBR gasket

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ACCESSORIES

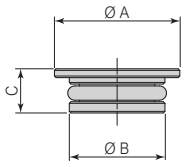
BCK5...
Sub-base



Size	Code	Seats	L	A	B	C	Ø D
Gas 1/8"	BCK5-82	2	71	60	20	20.5	Gas 1/4"
	BCK5-83	3	94				
	BCK5-84	4	117				
	BCK5-85	5	140				
	BCK5-86	6	163				
	BCK5-87	7	186				
	BCK5-88	8	209				
	BCK5-89	9	232				
	BCK5-810	10	255				
Gas 1/4"	BCK5-42	2	86	75	30	22	Gas 3/8"
	BCK5-43	3	112				
	BCK5-44	4	138				
	BCK5-45	5	164				
	BCK5-46	6	190				
	BCK5-47	7	216				
	BCK5-48	8	242				
	BCK5-49	9	268				
	BCK5-410	10	294				

Anodised aluminium sub-base - Zinc-plated steel fixing screws - NBR gaskets / 1 piece per pack

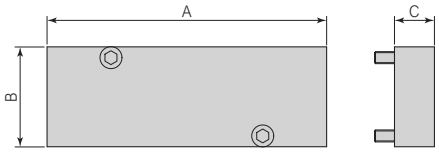
TP ..
Cap for BCK5 sub-base...



Size	Code	Ø A	Ø B	C
Gas 1/8"	TP-08	12.6	7.9	6
Gas 1/4"	TP-04	15.5	11.9	5.5

Anodised aluminium cap - NBR gasket / 1 piece per pack

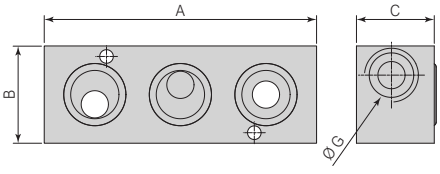
EXCLUSION PLATE
For BCK5 sub-bases...



Size	Code	A	B	C
Gas 1/8"	PE5-08	60	22	10
Gas 1/4"	PE5-04	70	25	15

Anodised aluminium plate - Zinc-plated steel fixing screws / 1 piece per pack

SEPARATE POWER PLATE
For BCK5 sub-bases...



Size	Code	A	B	C	Ø G
Gas 1/8"	PES-08	60	22	10	Gas 1/8"
Gas 1/4"	PES-04	70	25	15	Gas 1/4"

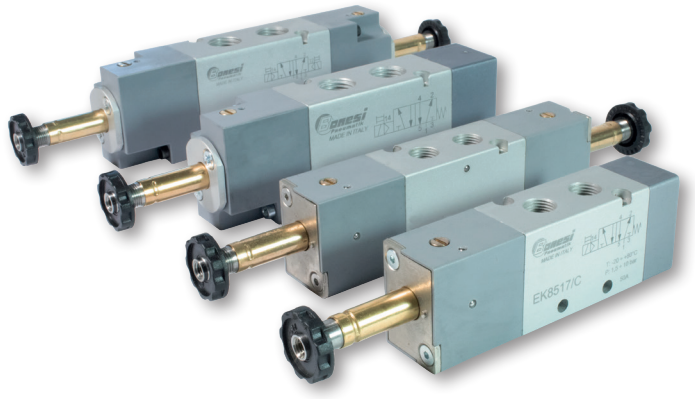
Anodised aluminium plate - NBR gaskets / 1 piece per pack

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Balanced spool electropneumatic valves - K83 Series

Connections: 1/8" - 1/4"

K SERIES



- Balanced spool valves with static sealing
- Fast switching times
- Small footprint
- Anodised aluminium body and bases
- Electro-pneumatically operated
  Internal servo-pilot
- Possibility of series assembly
- ATEX 2014/34/EU certificates available

TECHNICAL FEATURES			
Function		5/2 - 5/3	
Operation		Electropneumatic: Internal servo-pilot - Monostable mechanical and pneumatic, bistable spring return, three positions	
Materials		Body, base and cover in anodised aluminium alloy - Internal components in steel - aluminium - brass NBR gaskets	
Note on materials		Compliant with REACH (1907/2006/EC and subsequent amendments)	
Connections		1/8" - 1/4" Gas	
Threads		Cylindrical gases (BSPP)	
Operating temperature		0°C ÷ 80°C (-20°C with dry air, to avoid ice formation)	
Operating pressure		2 ÷ 10 bar	
Pilot actuation pressure		2 bar	
Air flow rate		1/8"	1/4"
Nominal diameter		5mm	7.5mm
Supply pressure	5 bar	500 Nl/min	1000 Nl/min
(with ΔP 1 bar)	6 bar	550 Nl/min	1100 Nl/min
	7 bar	600 Nl/min	1200 Nl/min
		See flow diagram page 3.1.05.21	
Fluid		Filtered air, lubrication-free, compliant with ISO 8573-1:2010 [7:4:4]	
Lubrication		Not required (if required in the pneumatic circuit, it must be continuous)	

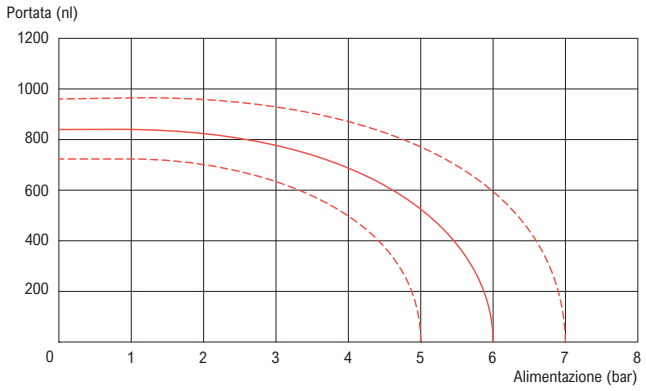
COILS ELECTRICAL CHARACTERISTICS		
Coil type	Type "C" (22mm)	
Operating voltage	24 VDC	24, 110, 220 VAC
Power (max.)	4.8 W	5.5 VA
Tolerance	± 10%	
Protection class	IP54 / IP65	
Other features	See from p. 3.3.05.10	

ATEX CERTIFICATION	
Valve marking	CE Ⓔx II 2G Ex h IIC T6 Gb (Zone 1 and Zone 2) CE Ⓔx II 2D Ex h IIIC 85°C Db (Zone 21 and Zone 22)
Operating pressure in ATEX environment	0.5 ÷ 10 bar
ATEX ambient temperature	-20°C ≤ Ta ≤ +60°C
CE marking	In compliance with Directive 2014/34/EU (see declaration of conformity)

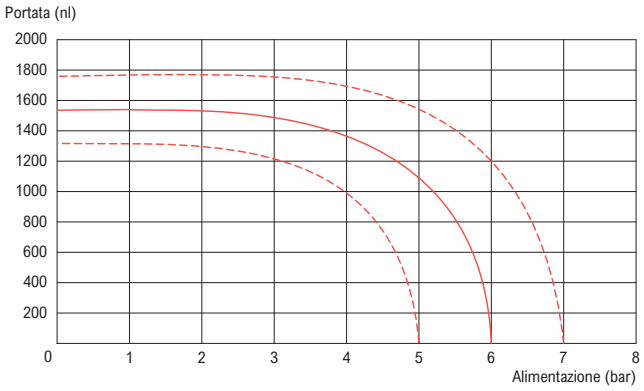
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FLOW DIAGRAMS - ELECTROPNEUMATICALLY OPERATED VALVES

FLOW RATE DIAGRAM - SIZE 1/8"

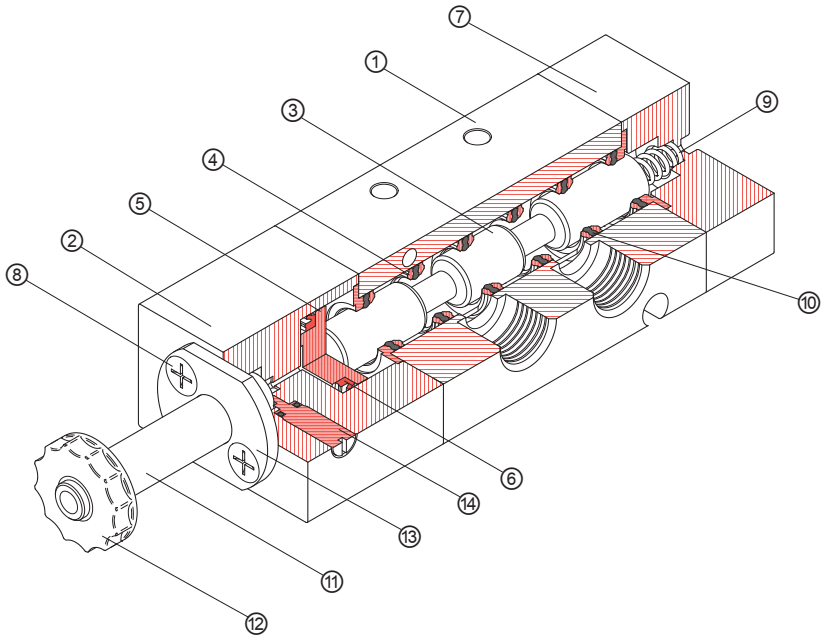


FLOW RATE DIAGRAM - SIZE 1/4"



MATERIALS - ELECTROPNEUMATICALLY OPERATED VALVES

POS	DESCRIPTION	MATERIALS	POS	DESCRIPTION	MATERIALS
①	Body	Anodised drawn aluminium	⑧	Screw	Galvanised steel
②	Cover	Reinforced polyarylamide	⑨	Spring	Harmonic steel
③	Spool	Anodised aluminium	⑩	Sealing gasket	Nitrile rubber (NBR)
④	Spacers	OT58 brass	⑪	Electropilot	Brass - Magnetic stainless steel
⑤	Piston	Anodised aluminium	⑫	Ring nut	Acrilonitrile butadiene stirene ABS
⑥	Piston gasket	PUR 85 ShA	⑬	Mounting plate	Anodised aluminium
⑦	Base	Anodised drawn aluminium	⑭	Manual intervention	Brass OT58 - NBR



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CODING KEY - VALVES ELECTRO-PNEUMATICALLY OPERATED VALVES

Operation — **EK**

- **EK** = Electropneumatic internal servo-pilot Standard connections
- **EKN** = Electropneumatic internal servo-pilot NAMUR Connections

Size — **4**

- **8** = 1/8" Gas
- **4** = 1/4" Gas

Function — **5**

- **1** = 3/2 Normally open
- **3** = 3/2 Normally closed 3/2 Bistable
- **5** = 5/2 Monostable 5/2 Bistable
- **6** = 5/3 Open centres
- **7** = 5/3 Closed centres

Version — **12**

- **11** = Monostable Pneumatic spring return
- **17** = Monostable Mechanical spring return
- **21** = Electropneumatic bistable
- **22** = Differential bistable electropneumatic

Electropilot — **/C**

- **/C** = Electropilot Ø9 For type C coils

Certification

- **NULL** = None
- **EX** = For compressed air in atmosphere potentially explosive (ATEX)

POSSIBLE CONFIGURATIONS

Operation

- **EK** Electropneumatic external servo pilot Standard connections
- **EKN** Electropneumatic external servo pilot NAMUR Connections

Size

- **8** 1/8" Gas
- **4** 1/4" Gas

Function

- **3** 3/2 normally closed
- **5** 5/2 Monostable 5/2 Bistable
- **6** 5/3 Open centres
- **7** 5/3 Closed centres

Version

- **11** Monostable Pneumatic return
- **17** Monostable Mechanical return
- **21** Electropneumatic bistable
- **22** Differential bistable electropneumatic

Electropilot

- **/C** Electropilot Ø9 For type C coils

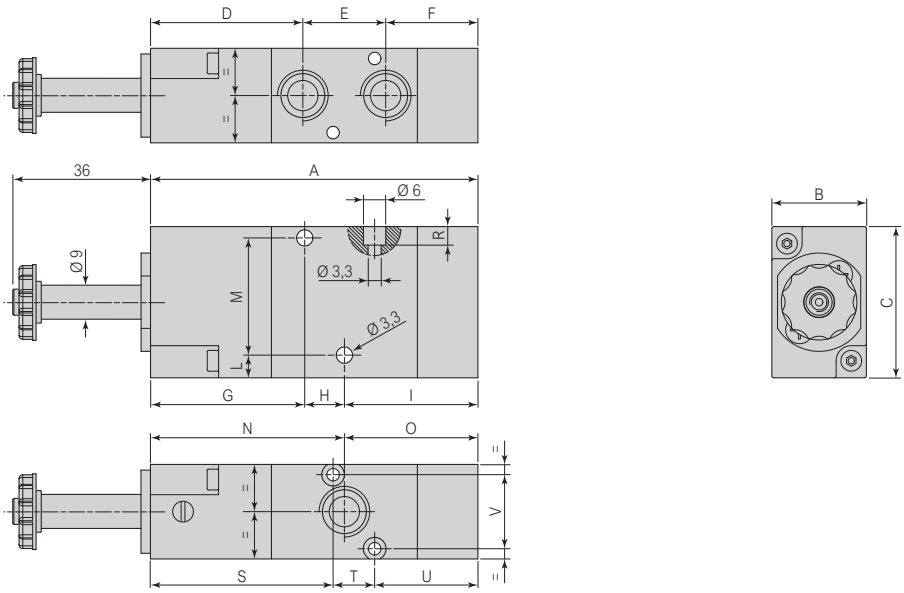
Certification

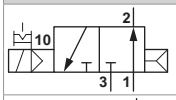
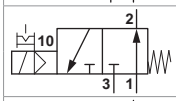
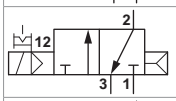
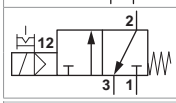
- None
- **EX** ATEX

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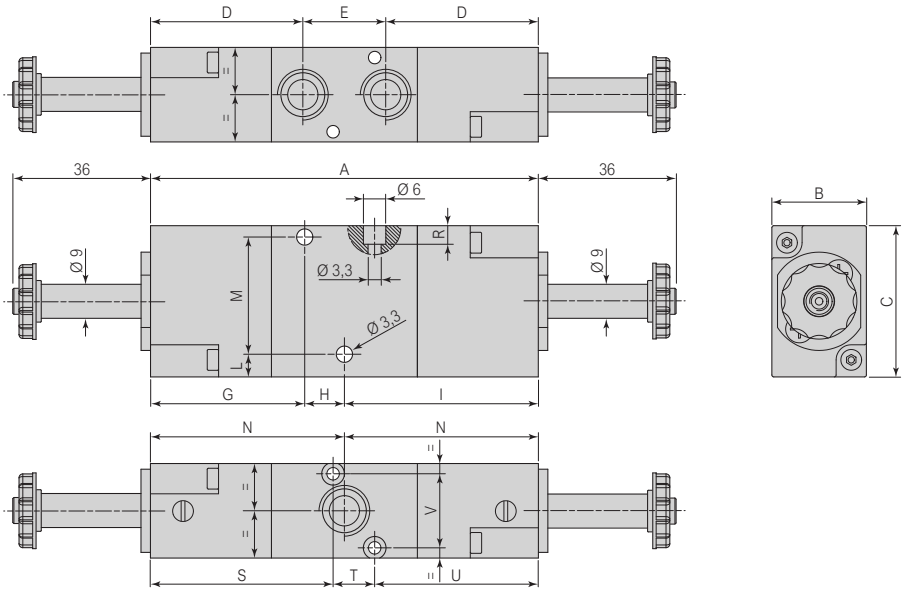
DIMENSIONS - 3/2 VALVES ELECTRO-PNEUMATICALLY OPERATED

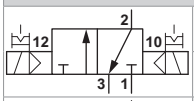
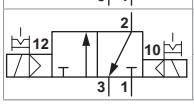
ELECTROPNEUMATIC OPERATION - NORMALLY CLOSED - MONOSTABLE WITH PNEUMATIC / MECHANICAL SPRING RETURN



Symbol	Function	Connections	Code	A	B	C	D	E	F	G	H	I	L	M	N	O	R	S	T	U	V
	NA	Gas 1/8"	EK8111/C	83,5	22	32	37,75	18	27,75	38,5	8,25	36,75	4,5	20,1	46,75	36,75	3	44,5	7,75	31,25	17,4
		Gas 1/4"	EK4111/C	92,6	25	40	40,3	22	30,3	40,8	10,5	41,3	6	31	51,3	41,3	4	48,3	11	33,3	11
	NA	Gas 1/8"	EK8117/C	78,5	22	32	37,75	18	22,75	38,5	8,25	31,75	4,5	20,1	46,75	31,75	3	44,5	7,75	26,25	17,4
		Gas 1/4"	EK4117/C	86,6	25	40	40,3	22	24,3	40,8	10,5	35,3	6	31	51,3	35,3	4	48,3	11	28,3	11
	NC	Gas 1/8"	EK8311/C	83,5	22	32	37,75	18	27,75	38,5	8,25	36,75	4,5	20,1	46,75	36,75	3	44,5	7,75	31,25	17,4
		Gas 1/4"	EK4311/C	92,6	25	40	40,3	22	30,3	40,8	10,5	41,3	6	31	51,3	41,3	4	48,3	11	33,3	11
	NC	Gas 1/8"	EK8317/C	78,5	22	32	37,75	18	22,75	38,5	8,25	31,75	4,5	20,1	46,75	31,75	3	44,5	7,75	26,25	17,4
		Gas 1/4"	EK4317/C	86,6	25	40	40,3	22	24,3	40,8	10,5	35,3	6	31	51,3	35,3	4	48,3	11	28,3	11

ELECTROPNEUMATIC OPERATION - BISTABLE - DIFFERENTIAL BISTABLE

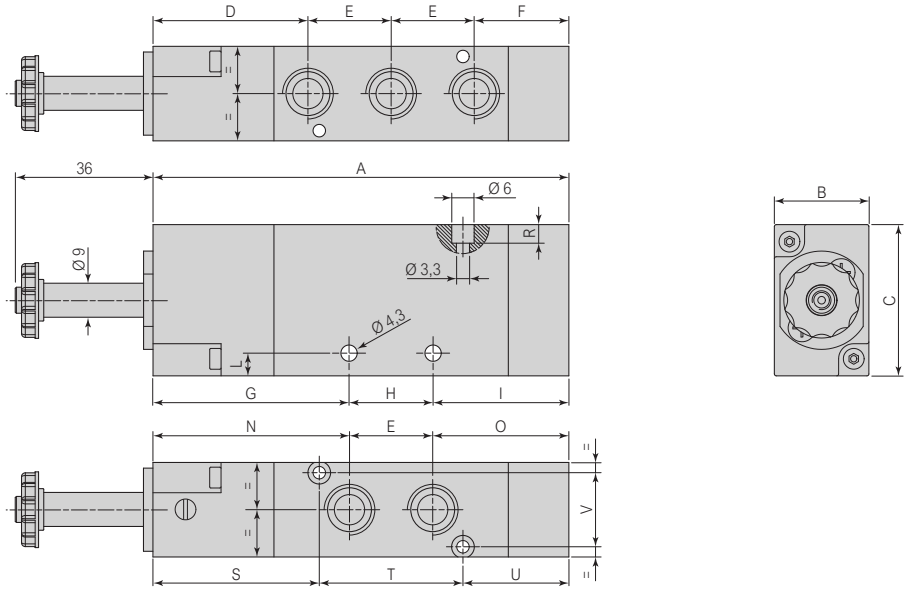


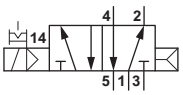
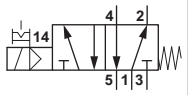
Simbolo	Connections	Code	A	B	C	D	E	G	H	I	L	M	N	R	S	T	U	V
	Gas 1/8"	EK8321/C	93,5	22	32	37,75	18	38,5	8,25	46,75	4,5	20,1	46,75	3	44,5	7,75	41,25	17,4
	Gas 1/4"	EK4321/C	102,6	25	40	30,3	22	40,8	10,5	51,3	6	31	51,3	4	48,3	11	43,3	11
	Gas 1/8"	EK8322/C	93,5	22	32	37,75	18	38,5	8,25	46,75	4,5	20,1	46,75	3	44,5	7,75	41,25	17,4
	Gas 1/4"	EK4322/C	102,6	25	40	30,3	22	40,8	10,5	51,3	6	31	51,3	4	48,3	11	43,3	11

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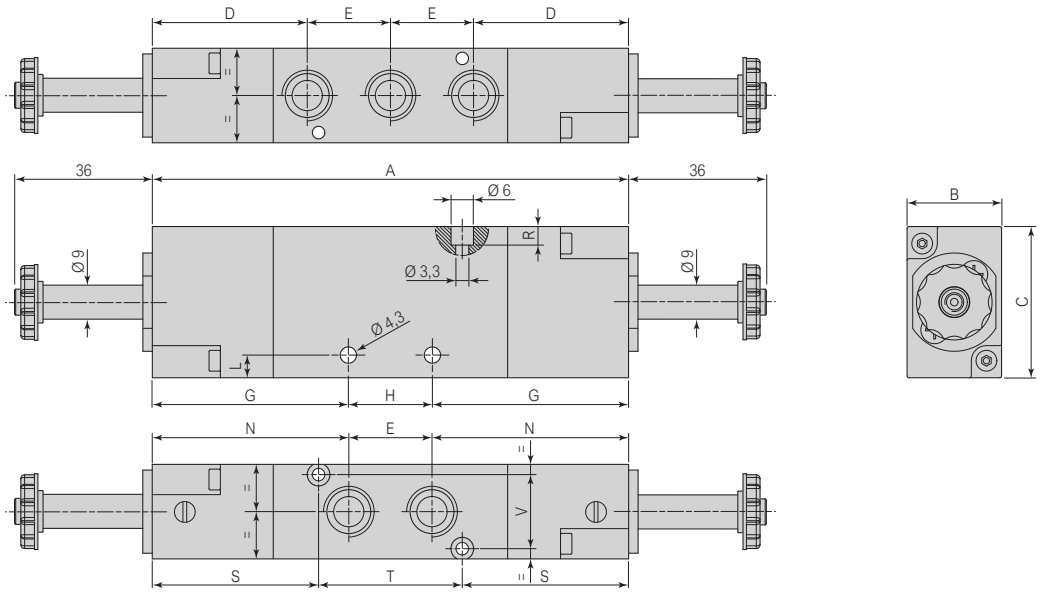
DIMENSIONS - 5/2 VALVES ELECTRO-PNEUMATICALLY OPERATED

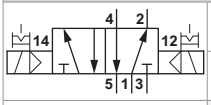
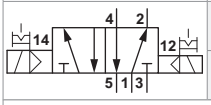
ELECTROPNEUMATIC OPERATION - MONOSTABLE WITH PNEUMATIC / MECHANICAL SPRING RETURN



Symbol	Connections	Code	A	B	C	D	E	F	G	H	I	L	N	O	R	S	T	U	V
	Gas 1/8"	EK8511/C	101.5	22	32	37.75	18	27.75	46.75	18	36.75	4.5	46.75	36.75	3	40.75	30	30.75	17.4
	Gas 1/4"	EK4511/C	116	25	40	41	22	31	52	22	42	6	52	42	4.5	44	38	34	19.6
	Gas 1/8"	EK8517/C	96.5	22	32	37.75	18	22.75	46.75	18	31.75	4.5	46.75	31.75	3	40.75	30	25.75	17.4
	Gas 1/4"	EK4517/C	110	25	40	41	22	25	52	22	36	6	52	36	4.5	44	38	28	19.6

ELECTROPNEUMATIC OPERATION - BISTABLE - DIFFERENTIAL BISTABLE

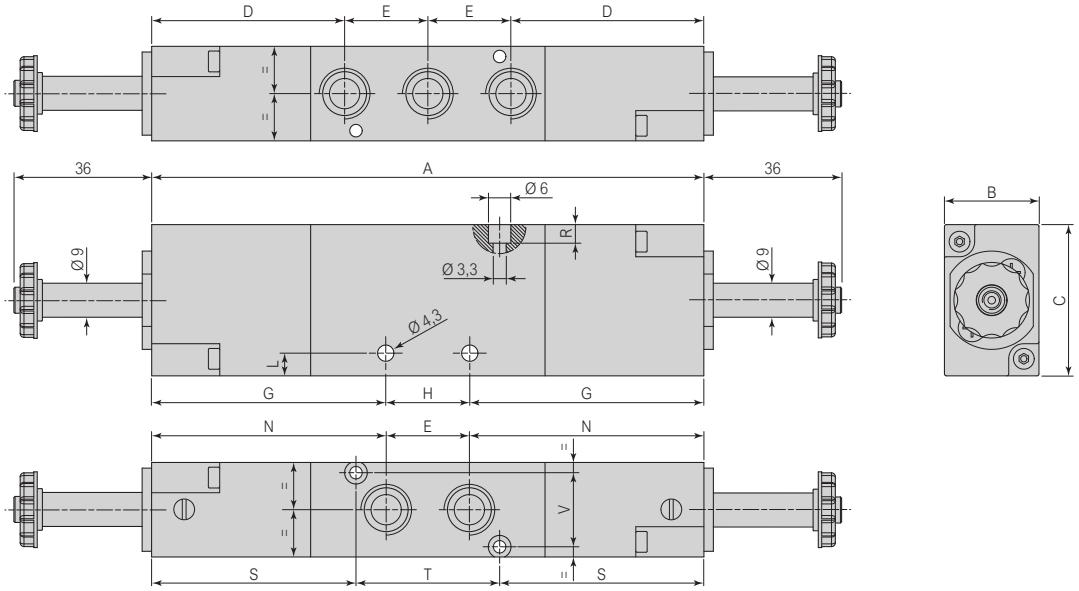


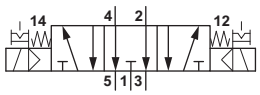
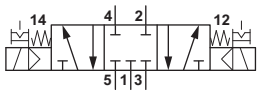
Symbol	Connections	Code	A	B	C	D	E	G	H	L	N	R	S	T	V
	Gas 1/8"	EK8521/C	111.5	22	32	37.75	18	46.75	18	4.5	46.75	3	40.75	30	17.4
	Gas 1/4"	EK4521/C	126	25	40	41	22	52	22	6	52	4.5	44	38	19.6
	Gas 1/8"	EK8522/C	111.5	22	32	37.75	18	46.75	18	4.5	46.75	3	40.75	30	17.4
	Gas 1/4"	EK4522/C	126	25	40	41	22	52	22	6	52	4.5	44	38	19.6

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DIMENSIONS - 5/3 VALVES ELECTRO-PNEUMATICALLY OPERATED

ELECTROPNEUMATIC OPERATION - THREE POSITIONS - CLOSED / OPEN CENTRES

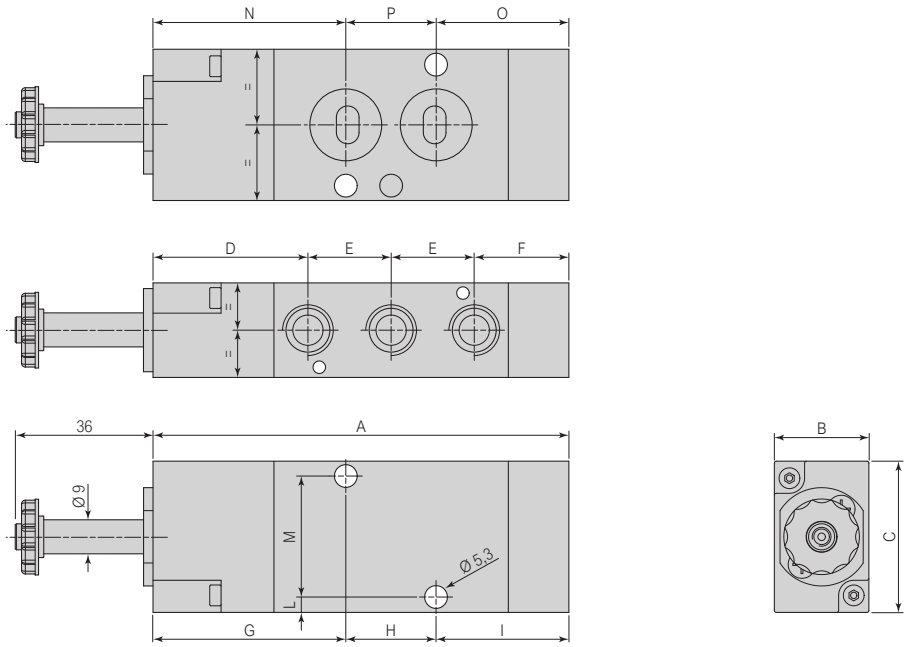


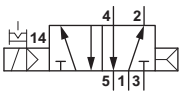
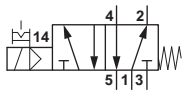
Symbol	Connections	Code	A	B	C	D	E	G	H	L	N	R	S	T	V
	Gas 1/8"	EK8621/C	111.5	22	32	37.75	18	46.75	18	4.5	46.75	3	40.75	30	17.4
	Gas 1/4"	EK4621/C	146	25	40	51	22	62	22	6	62	4.5	54	38	19.6
	Gas 1/8"	EK8721/C	111.5	22	32	37.75	18	46.75	18	4.5	46.75	3	40.75	30	17.4
	Gas 1/4"	EK4721/C	146	25	40	51	22	62	22	6	62	4.5	54	38	19.6

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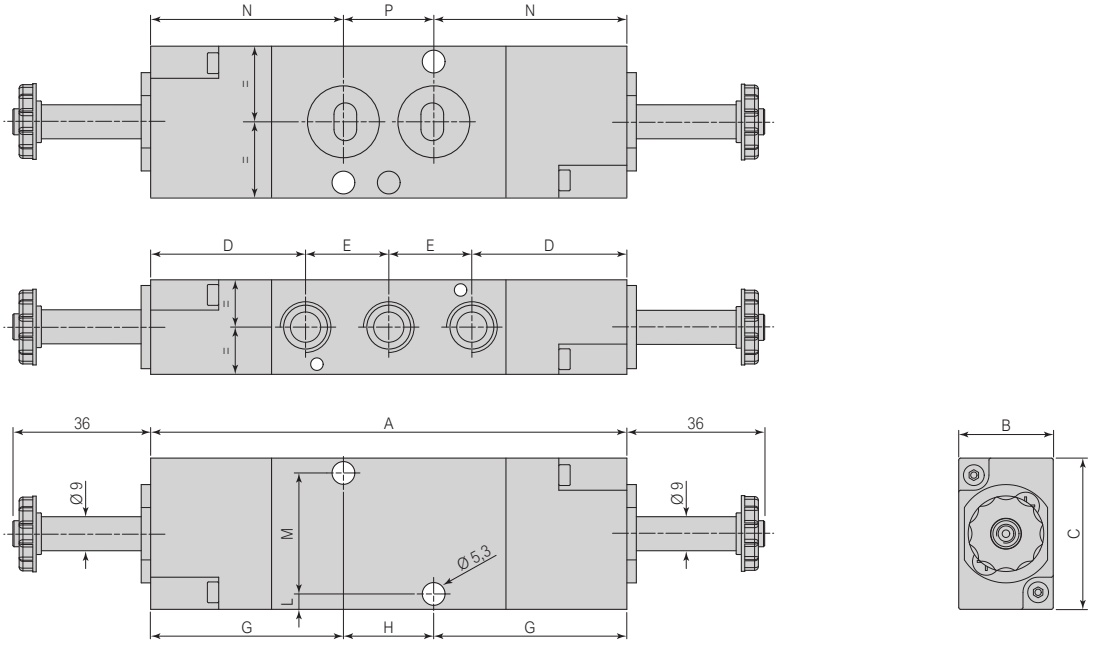
DIMENSIONS - 5/2 VALVES ELECTRO-PNEUMATICALLY OPERATED - NAMUR CONNECTIONS

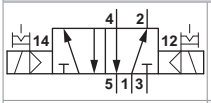
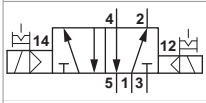
ELECTROPNEUMATIC OPERATION - MONOSTABLE WITH PNEUMATIC / MECHANICAL SPRING RETURN



Symbol	Connections	Code	A	B	C	D	E	F	G	H	I	L	M	N	O	P
	Gas 1/4"	EK4511/C	116	25	40	41	22	31	51	24	41	4	32	51	41	24
	Gas 1/4"	EK4517/C	110	25	40	41	22	25	51	24	35	4	32	51	35	24

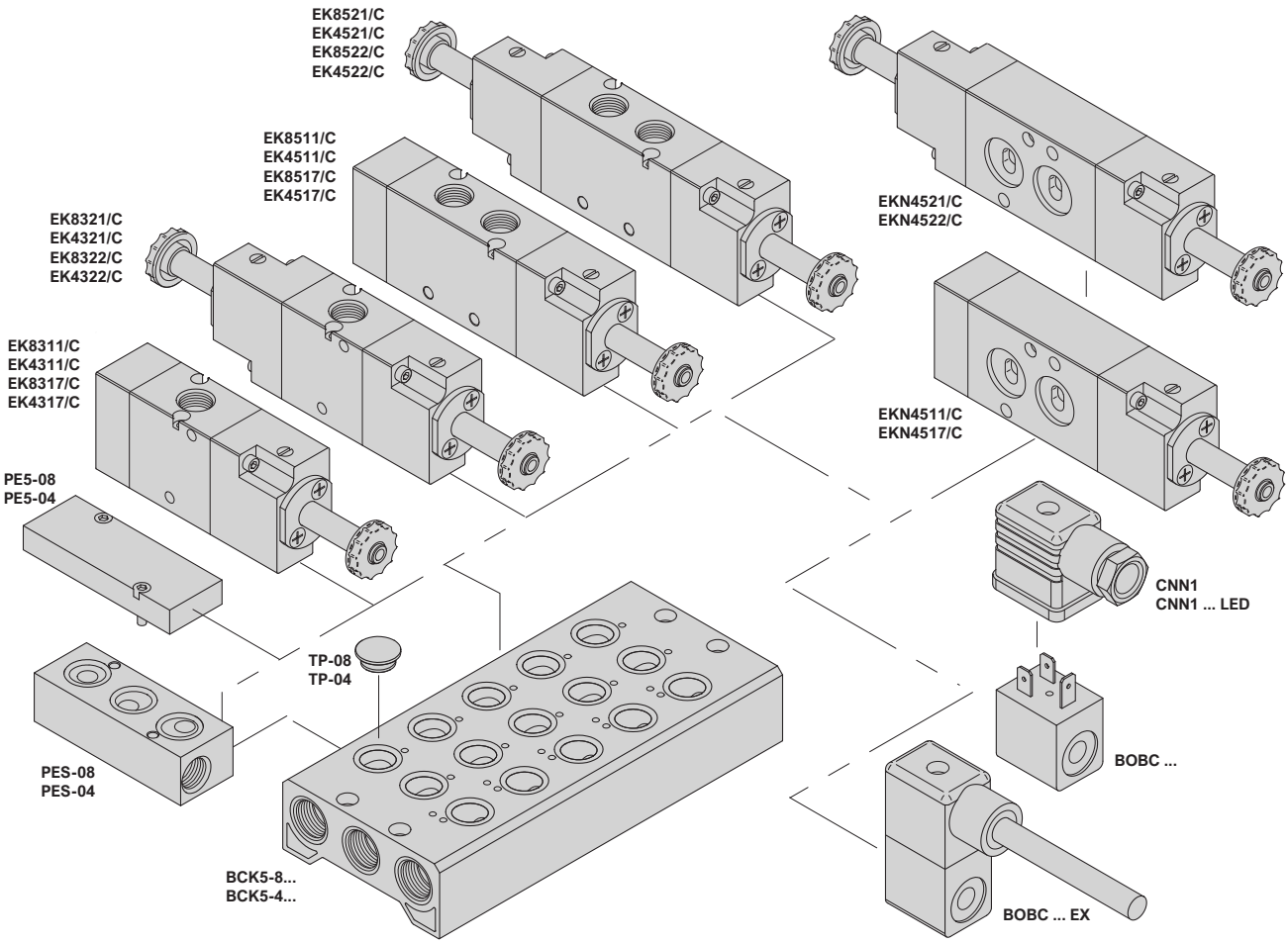
ELECTROPNEUMATIC OPERATION - BISTABLE - DIFFERENTIAL BISTABLE

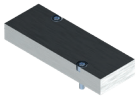


Symbol	Connections	Code	A	B	C	D	E	G	H	L	M	N	P
	Gas 1/4"	EK4521/C	126	25	40	41	22	51	24	4	32	51	24
	Gas 1/4"	EK4522/C	126	25	40	41	22	52	22	6	32	52	24

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K83 SERIES ACCESSORIES



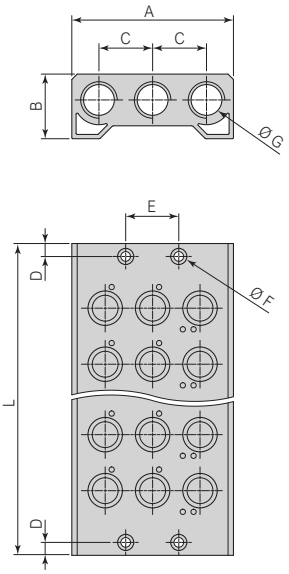
SUB-BASES BCK5...										CAP For BCK5 sub-base...	EXCLUSION PLATE For BCK5 sub-base...	SEPARATE SUPPLY For BCK5 sub-base...
												
Page 3.1.05.28										Page 3.1.05.28	Page 3.1.05.28	Page 3.1.05.28
Size	2 seats	3 seats	4 seats	5 seats	6 seats	7 seats	8 seats	9 seats	10 seats			
1/8"	BCK5-82	BCK5-83	BCK5-84	BCK5-85	BCK5-86	BCK5-87	BCK5-88	BCK5-89	BCK5-810	TP-08	PE5-08	PES-08
1/4"	BCK5-42	BCK5-43	BCK5-44	BCK5-45	BCK5-46	BCK5-47	BCK5-48	BCK5-49	BCK5-410	TP-04	PE5-04	PES-04
Anodised aluminium sub-base Zinc-plated steel fixing screws - NBR gaskets										Cap: Anodised aluminium NBR gasket	Plate: Anodised aluminium Screws: Galvanised steel	Plate: Anodised aluminium NBR gasket

BOBC ... Type "C" coils AC / DC	BOBC ... EX ATEX coils AC / DC	CNN1 ... Connectors for "C" type coils	CNN1 ... LED Connectors for "C" type coils
			
Page 3.1.05.29	Page 3.1.05.30	Page 3.1.05.29	Page 3.1.05.29
Coating in NYLON + GLASS FIBRES	Coating in Self-extinguishing PA + GLASS FIBRES	PA6 GF	PA6 GF - PA12

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ACCESSORIES

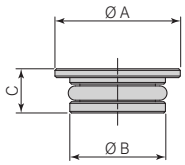
BCK5...
Sub-base



Size	Code	Seats	L	A	B	C	Ø D
Gas 1/8"	BCK5-82	2	71	60	20	20.5	Gas 1/4"
	BCK5-83	3	94				
	BCK5-84	4	117				
	BCK5-85	5	140				
	BCK5-86	6	163				
	BCK5-87	7	186				
	BCK5-88	8	209				
	BCK5-89	9	232				
	BCK5-810	10	255				
Gas 1/4"	BCK5-42	2	86	75	30	22	Gas 3/8"
	BCK5-43	3	112				
	BCK5-44	4	138				
	BCK5-45	5	164				
	BCK5-46	6	190				
	BCK5-47	7	216				
	BCK5-48	8	242				
	BCK5-49	9	268				
	BCK5-410	10	294				

Anodised aluminium sub-base - Zinc-plated steel fixing screws - NBR gaskets / 1 piece per pack

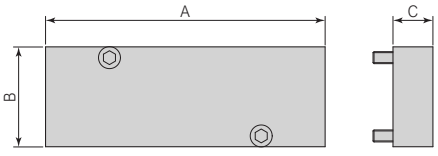
TP ..
Cap for BCK5 sub-base...



Size	Code	Ø A	Ø B	C
Gas 1/8"	TP-08	12.6	7.9	6
Gas 1/4"	TP-04	15.5	11.9	5.5

Anodised aluminium cap - NBR gasket / 1 piece per pack

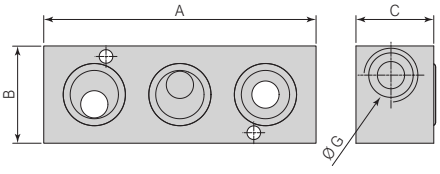
EXCLUSION PLATE
For BCK5 sub-bases...



Size	Code	A	B	C
Gas 1/8"	PE5-08	60	22	10
Gas 1/4"	PE5-04	70	25	15

Anodised aluminium plate - Zinc-plated steel fixing screws / 1 piece per pack

SEPARATE POWER PLATE
For BCK5 sub-bases...



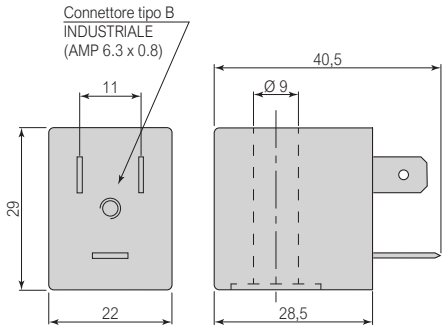
Size	Code	A	B	C	Ø G
Gas 1/8"	PES-08	60	22	10	Gas 1/8"
Gas 1/4"	PES-04	70	25	15	Gas 1/4"

Anodised aluminium plate - NBR gaskets / 1 piece per pack

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"C" type COILS (22 mm)

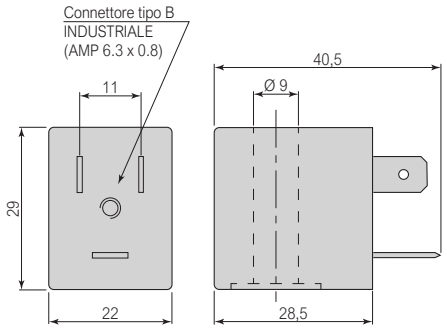
BOBC ...
Direct current coils



Technical features	
Code	BOBC024DC
Operating voltage	24 VDC
Power (max.)	4.8 W
Voltage tolerance	±10% (of nominal voltage)
Insulation class	155°C (F)
Wire insulation class	200°C (H)
Insertion duration	100% (at 20°C)
Electrical connection	INDUSTRIAL (AMP 6.3 x 0.8) form B
Protection class	IP54 (with connector) IP65 (with connector and suitable gaskets)
Material	NYLON + Fibreglass coating

BOBC... / 1 piece per pack

BOBC ...
AC coils

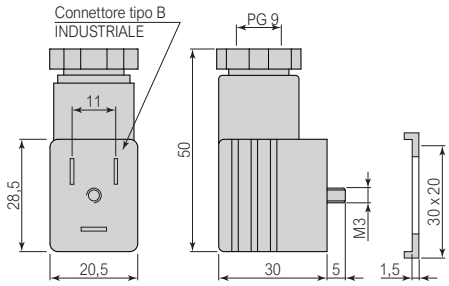


Technical features				
Code	BOBC024AC	BOBC110AC	BOBC220AC	
Operating voltage	24 VAC	110 VAC	220 VAC	
Power (max.)	5.5 VA			
Voltage tolerance	±10% (of nominal voltage)			
Insulation class	155°C (F)			
Wire insulation class	200°C (H)			
Insertion duration	100% (at 20°C)			
Electrical connection	INDUSTRIAL (AMP 6.3 x 0.8) form B			
Protection class	IP54 (with connector) IP65 (with connector and suitable gaskets)			
Material	NYLON + Fibreglass coating			

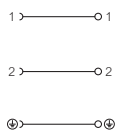
BOBC... / 1 piece per pack

CONNECTORS for "C" type coils (22 mm)

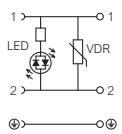
CNN1...
Connector for "C" type coils



CNN1



CNN1...LED



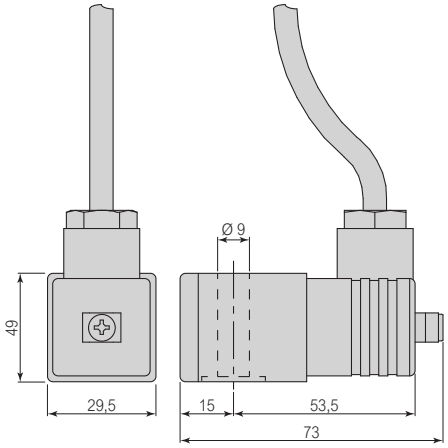
Technical features				
Code	CNN1	CNN1 2 LED	CNN1 4 LED	CNN1 5 LED
Voltage	0÷250 V AC/DC	12/24 V AC/DC	115 V AC/DC	230 V AC/DC
Current (max.)	10 A	5 A	5 A	5 A
Contact resistance (max.)	15 mΩ			
Overvoltage category	III			
Conductor cross-section (max.)	1.5 mm² (without terminals)			
Cable clamp thread	PG9			
Operating temperature	-40°C ÷ +100°C	-20°C ÷ +80°C	-20°C ÷ +80°C	-20°C ÷ +80°C
Electrical connection	INDUSTRIAL (AMP 6.3 x 0.8) form B			
Protection class	IP65 (properly assembled)			
Insert and case materials	PA6 GF - PA6 GF	PA6 GF - PA12	PA6 GF - PA12	PA6 GF - PA12
Visual indicator	None	Yellow LED diode	Yellow LED diode	Yellow LED diode
Colour	Black	Clear	Clear	Clear
Electrical circuit protection	None	VDR Circuit	VDR Circuit	VDR Circuit
Fixing type	Central screw M3x32,5			

CNN1... / Insert, case, gasket and fixing screw - 1 piece per pack

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"ATEX" COILS

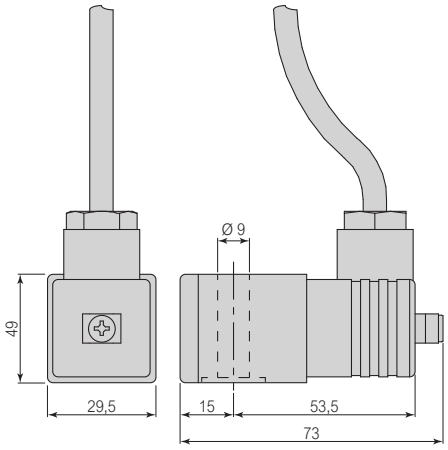
BOBC ... EX
ATEX direct current coils



Technical features	
Code	BOBC024DCEX
Operating voltage	24 VDC
Power (max.)	5.3 W
Voltage tolerance	±10% (of nominal voltage)
Wire insulation class	200°C (H)
Insertion duration	100% (at the indicated power and temperatures)
ATEX marking	II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T135°C Db For the assembly of ATEX coils the valve will be equipped with a Ø 9mm solenoid pilot
Electrical connection	Three-core cable 3x0.75 mm² Length 3000 mm Length 5000 mm (on request)
Protection class	IP65 (with suitable gaskets)
Material	Self-extinguishing PA coating + Glass fibres
Visual indicator	None
Colour	Black
Electrical circuit protection	Internal fuse

BOBC ... EX / 1 piece per pack

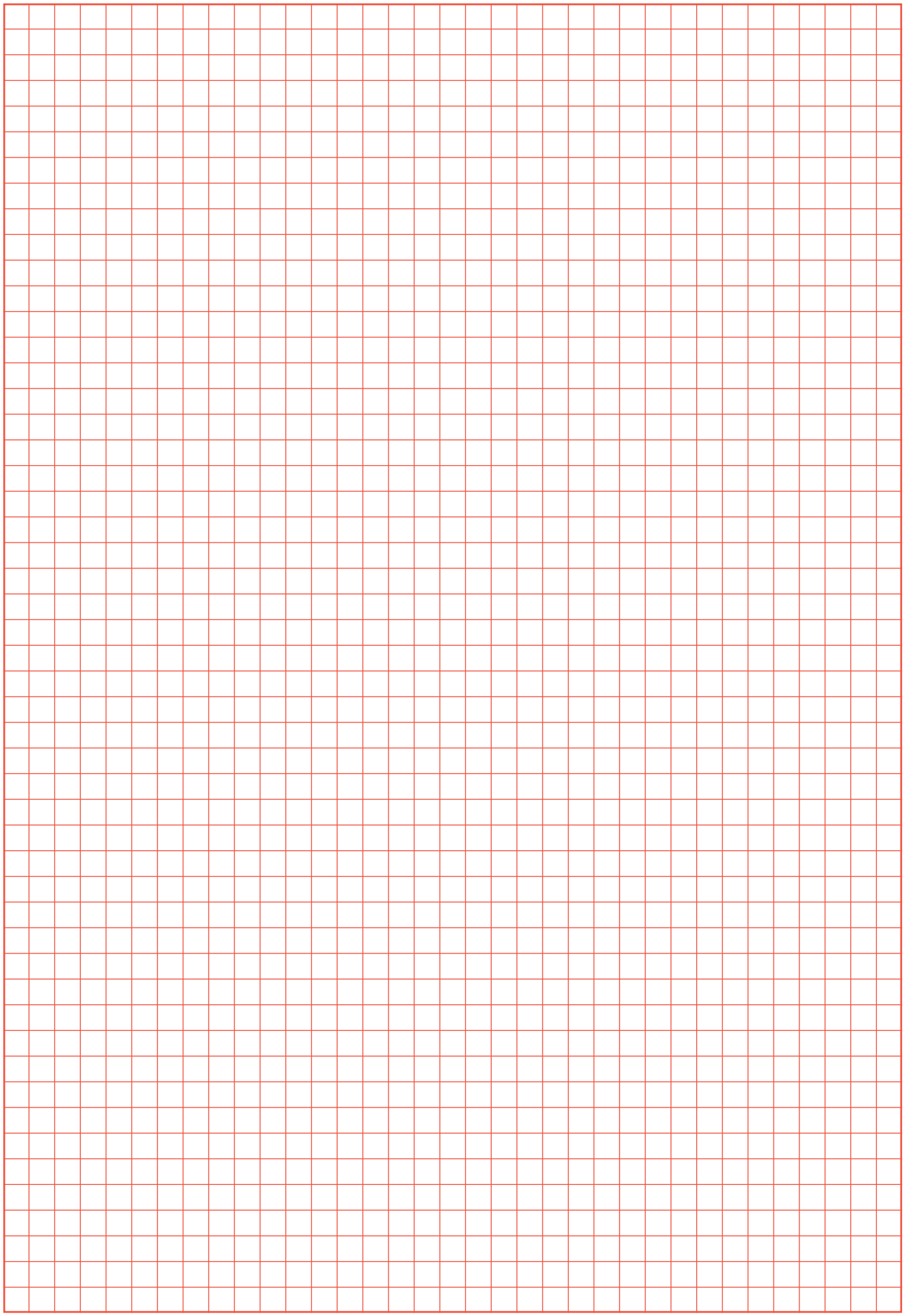
BOBC ... EX
ATEX AC coils

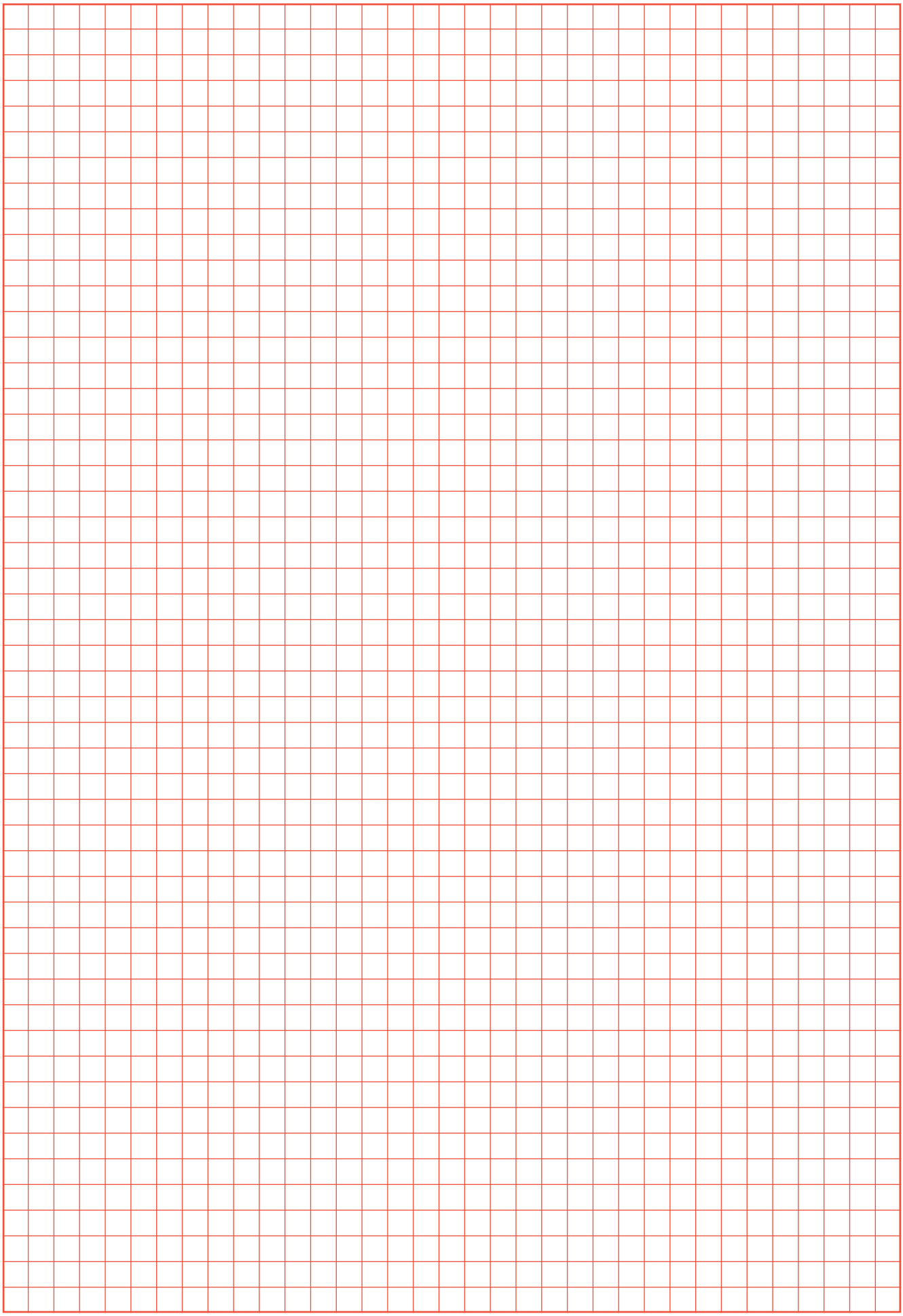


Technical features				
Code	BOBC024ACEX	BOBC048ACEX	BOBC110ACEX	BOBC220ACEX
Operating voltage	24 VAC	48 VAC	110 VAC	220 VAC
Power (max.)	5.3W (voltage rectifier inside the coil)			
Voltage tolerance	±10% (of nominal voltage)			
Wire insulation class	200°C (H)			
Insertion duration	100% (at the indicated power and temperatures)			
ATEX marking	II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T135°C Db For the assembly of ATEX coils the valve will be equipped with a Ø 9mm solenoid pilot			
Electrical connection	Three-core cable 3x0.75 mm² Length 3000 mm Length 5000 mm (on request)			
Protection class	IP65 (with suitable gaskets)			
Material	Self-extinguishing PA coating + Glass fibres			
Visual indicator	None			
Colour	Black			
Electrical circuit protection	Internal fuse			

BOBC ... EX / 1 piece per pack

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BONESI PNEUMATIK makes all its products in Italy



Cat. K-K83/IT (12 / 2025) - Bonesi Pneumatik s.r.l. reserves the right to modify the declared data without notice

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