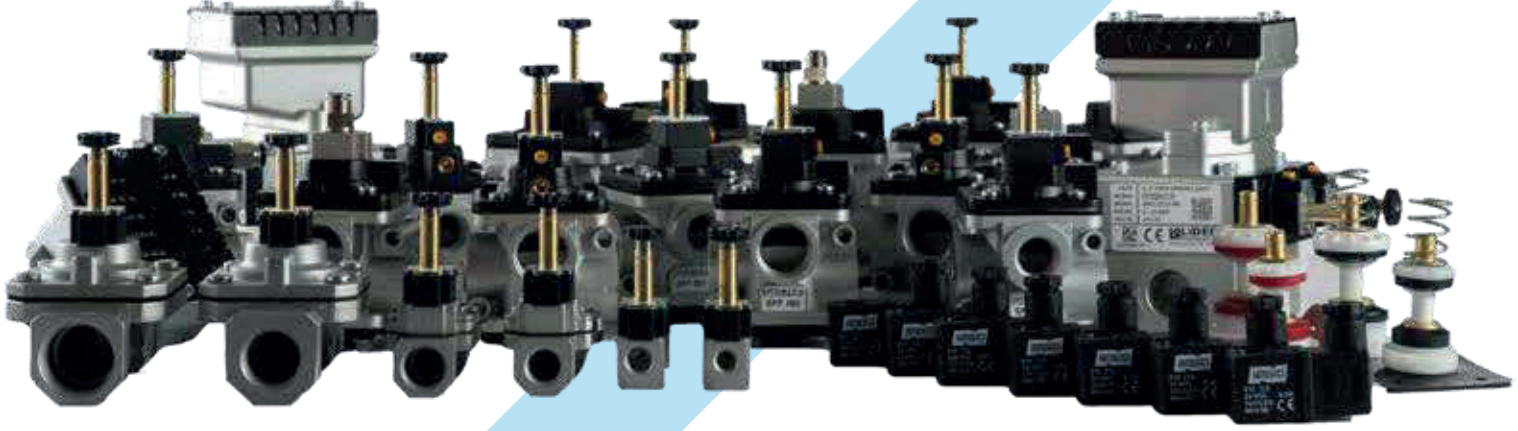




PRODUCT CATALOGUE





ABOUT US LIDER PNEUMATIC SYSTEMS; It has started its operations in 2004, preferring to become a brand name and it is producing with **SYSTEMATIC** brand. Our company has become a well-known and recognized brand in the sector by giving its fruits in a short time.

Each of our products has been designed in a unique manner and each of them has been approved by **TURKISH PATENT INSTITUTE**.

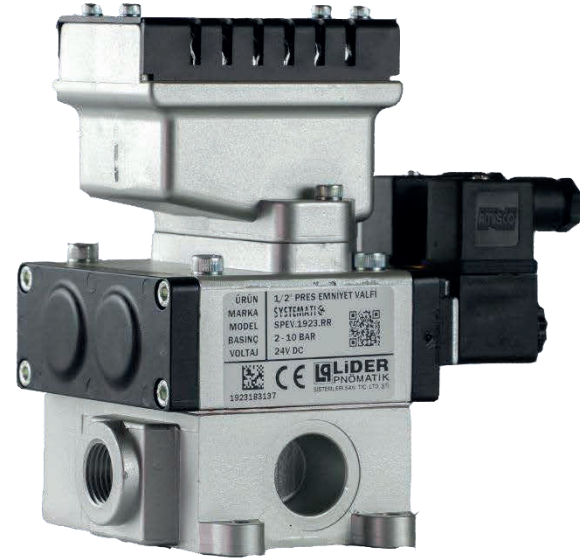
In addition, we have produced the **Pres Safety Valves, Machinery Directive: 2006/42 / EC, EMC Directive: 2004/108 / EC, LVD Directive: 2006/95 / EC** in accordance with the standards and conditions of the tests as a result of the tests have been proved by **CE** certification. In our country, we are the only producer that produces according to these standards.

We will continue to produce with enthusiasm and to raise the bar higher in our race with ourselves.

SPEV PRESS SAFETY VALVES

G1/2 - G3/4 PRESS SAFETY VALVES

- ✓ Dynamic Self - Monitoring
- ✓ Double Valve control system
- ✓ For use with pneumatic clutch and brake systems and other 3-way safety functions
- ✓ Poppet design with feedback
- ✓ Fast exhaust capacity
- ✓ DIN-EN-ISO 13849-1 (performance level e, category IV), suitable.
- ✓ Increase security
- ✓ no further electrical monitoring is required
- ✓ It can be easily installed in existing systems.



TECHNICAL

Ambient temperature	+50 °Cmax
Fluid temperature	-10 ÷ +60 °C
Fluid	Filtered and lubricated compressed air
Transition system	poppet
Routes / Positions	3/2 normally closed
Operating Pressure	2 - 10bar
Control	Pneumatic, indirect electropneumatic
Return	Pneumatic mechanical spring

STRUCTURAL PROPERTIES

Valve Body	G1/2÷ G3/4 = zamak
Felts and o-ringler	nitril
Caps	G1/2÷ G3/4 = alüminyum

ELECTRICAL

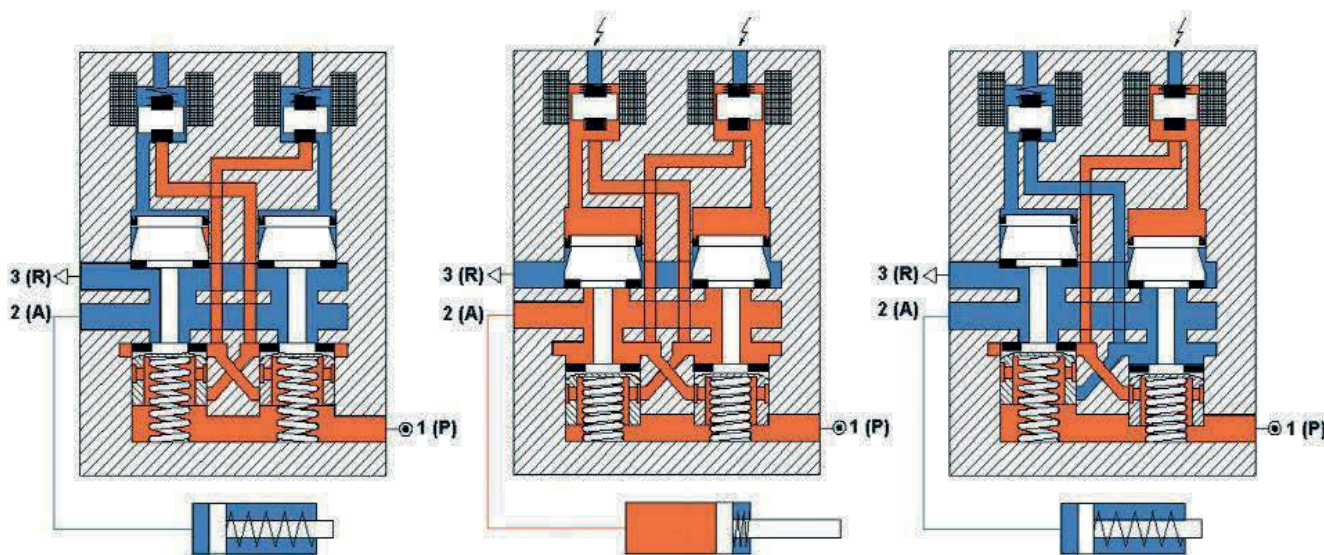
	G1/2 – G3/4
Coil	9mm %100 ED
Power Consumption	4,6W-4,8W-5,5W (DC) ----7,1VA-8,6VA (AC)
Socket	9mm
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual	Button

G1/2 – G3/4



3/2 NK G1/2 – G3/4
SPEV.1923.SS.
SPEV.1923.RR

SIZE	CONTROL	RETURN	FLOW RATE		PORT			PRESSURE		WEIGHT	COIL	STOCK
			(1 P) > 2 (A) (m³/h)	2 (A) > 3 (R) (m³/h)	1 (P)	2 (A)	3 (R)	Min.	Max.			
G1/2	Electric	Pneu.Mechanical Spring	152	305	1/2	3/4	1	2	10	3,00	9mm	SPEV.1923.SS
G3/4	Electric	Pneu.Mechanical Spring	170	305	3/4	3/4	1	2	10	2,90	9mm	SPEV.1923.RR



Solenoids de-energised:

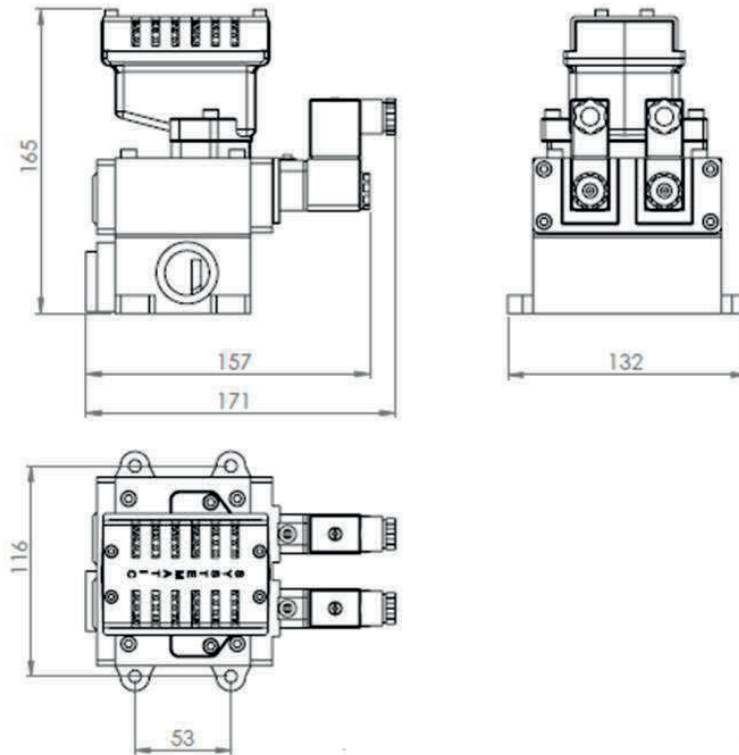
A port is exhausted. P port is closed, no connection from P to A. No residual pressure on port A as port A is freely exhausted through port R. No acting pressure on port A.

Solenoids energised:

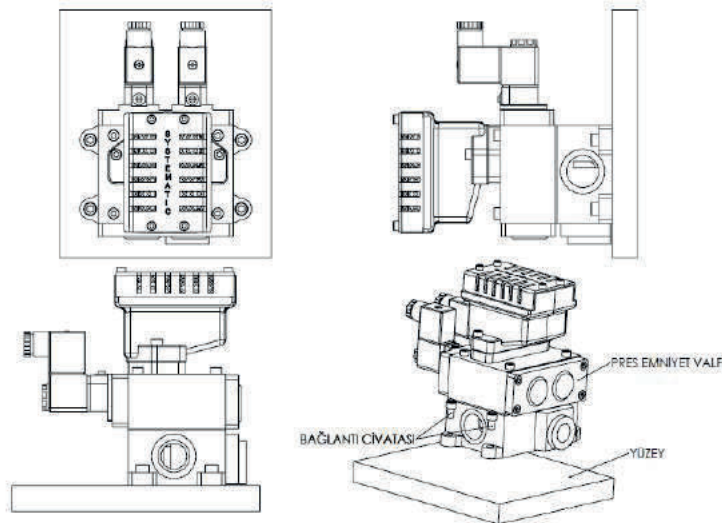
Pilots are synchronously energised. Connection from port P to A. Working pressure on A. No passage from P to R. Dynamic self monitoring of both pilot systems, checking each other at each cycle for proper functioning.

Malfunction:

Pilots non-synchronously energised. Dynamic monitor notices failure operation and prevents the pistons from giving connection from P to A. Synchronously port A exhausts through R. No residual pressure remains in the system since P and A are not connected. The pilot line has lost the pressure and is locked.

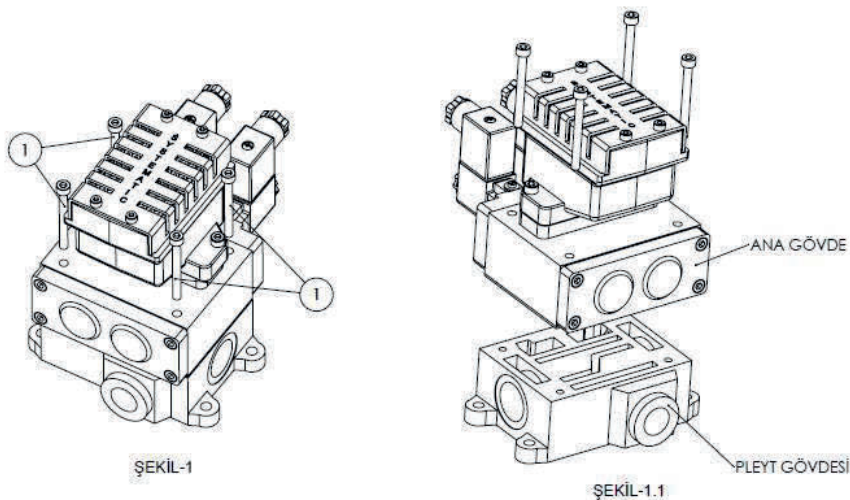


SIZE AND MEASUREMENTS



MACHINE CONNECTION TYPE

Connect the valve in a horizontal or vertical position as shown in the illustrations.



IN FAILURE

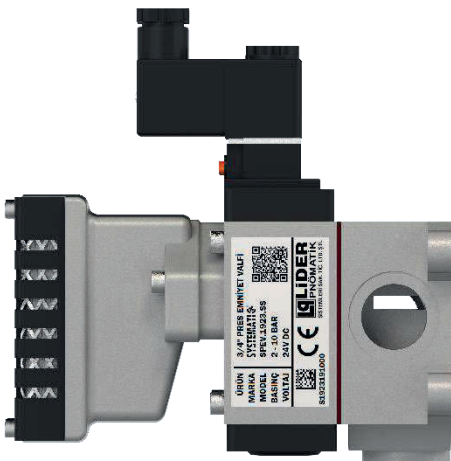
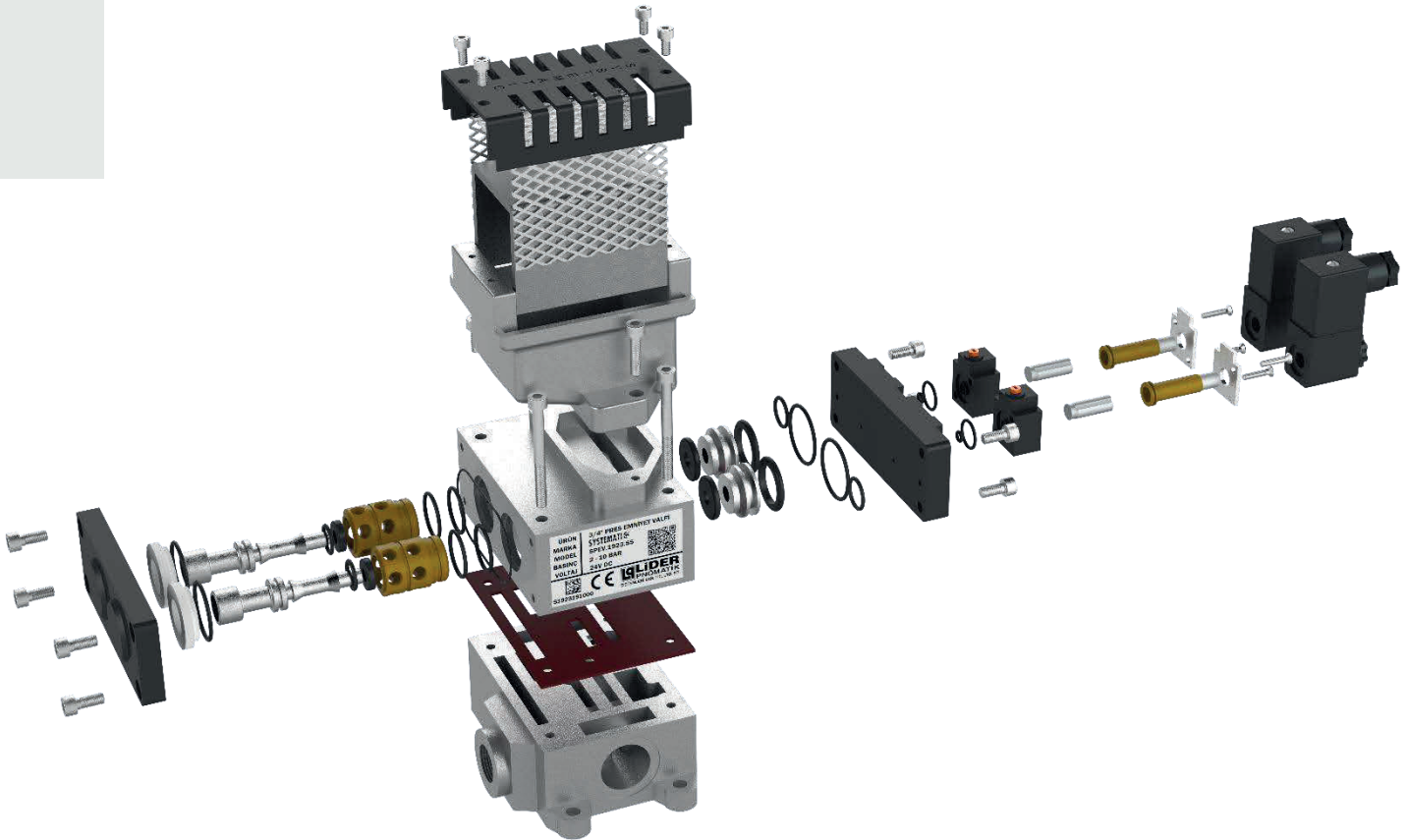
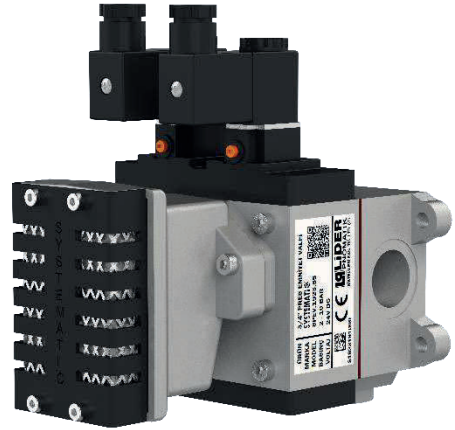
Do not remove the valve from the valve. Remove Screws connecting the Main Body and the Plate Body and separate them from each other. **(In this way, you can easily install the product without removing the hoses and fittings, without having to look at the valve.)**

**PRESS SAFETY VALVES**

- Machinery Directive: 2006/42 / EC
- EMC Directive: 2004/108 / EC
- LVD Directive: 2006/95 / EC

Standards and requirements in accordance with the Directives tests proved

CE certification has been made

**G1/2 - G3/4 PRESS SAFETY VALVES**

- ✓ Dynamic Self - Monitoring
- ✓ Double Valve control system
- ✓ For use with pneumatic clutch and brake systems and other 3-way safety functions
- ✓ Poppet design with feedback
- ✓ Fast exhaust capacity
- ✓ DIN-EN-ISO 13849-1 (performance level e, category IV), suitable.
- ✓ Increase security
- ✓ no further electrical monitoring is required
- ✓ It can be easily installed in existing systems

KRB 100-200-300-400 series

G1/4 DIRECTIONAL CONTROL VALVES

- ✓ Maximum efficiency with less friction thanks to static seal system.
- ✓ High flow rate and high cycle life.
- ✓ Thanks to the modular plate system, you can create many different blocks.
- ✓ Valves with 5/2 - 5/3 positions are available.
- ✓ AMISCO® electrical components.



TECHNICAL

Ambient temperature	-10 ÷ +60°Cmax
Fluid temperature	Max.+50 °C
Fluid	Filtered air 50 µm, greased or not greased
Transion system	Spool
Ways / Position	5/2 – 5/3
Pressure	max 10bar
Control	Pneumatic, indirect electropneumatic
Retuns	Pneumatic mechanical spring
Connection Dimension	G1/4
Orifice Ø(mm)	8,2mm
Nominal flow rate (NI/min)	1100 NI / min at 1 bar and 6 bars.

STRUCTURAL PROPERTIES

Valve Body	G1/4 = zamak
Felts and o-ringler	nitril
Caps	plastik

ELECTRICAL

	G1/4
Coil	9mm %100 ED
Power Consumption	6,5W (DC) ----8,5VA (AC)
Socket	9mm
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual	With 2-position screw

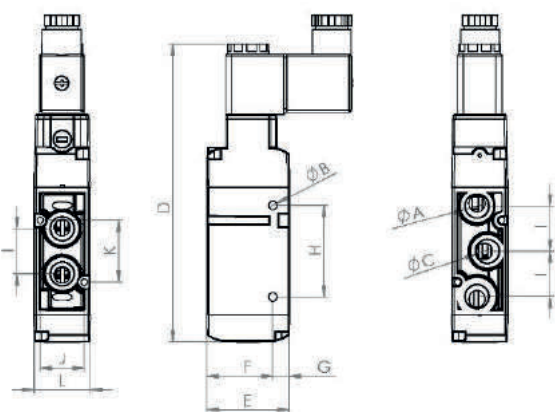
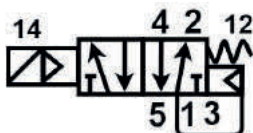
G1/4



SIZE	CONTROL	RETURN	FLOW	Ø ORIFICE	TEMPERATURE °C		PRESSURE		COIL	STOCK
			(Lt/dk)	mm	Min.	Max.	Min.	Max.		
G1/4	Electric	Pneu.Mechanical Spring	1100	8,2	-10	60	1,5	10	9mm	KRB.101
G1/4	Electric	Electric	1100	8,2	-10	60	1,5	10	9mm	KRB.102

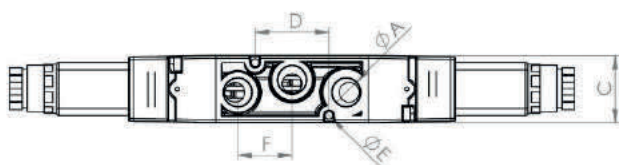
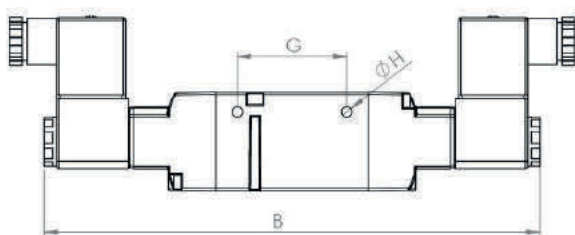
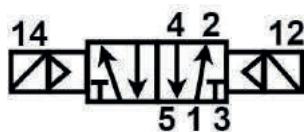
5/2

KRB.101
1/4 52 SINGLE COIL VALVE



	Ø A	Ø B	Ø C	D	E	F	G	H	I	J	K	L
G1/4	1/4"	4,2	8,2	146	40	32	8	45	22	21,5	30	27,5

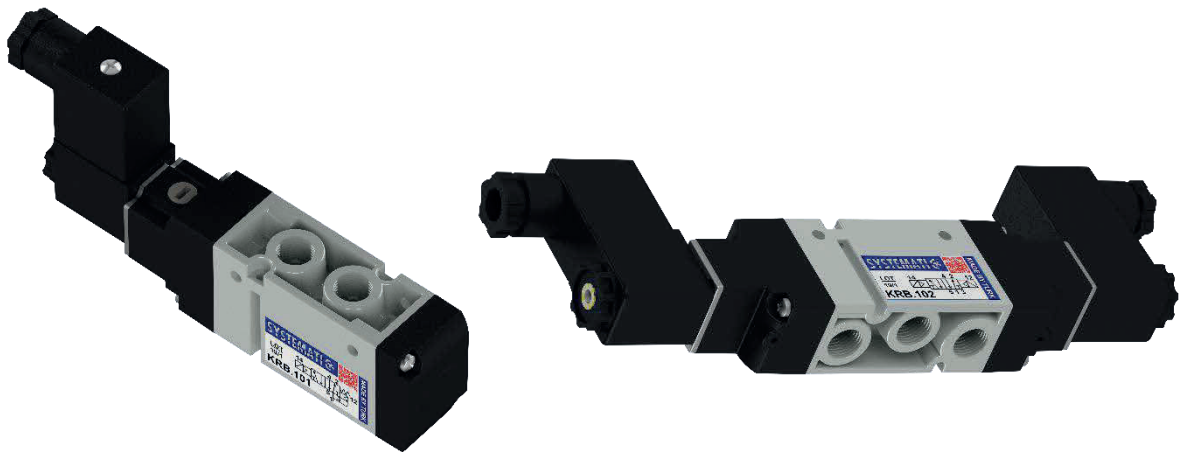
KRB.102
1/4 52 DOUBLE COIL VALVE



	Ø A	B	C	D	Ø E	F	G	Ø H
G1/4	1/4"	203	27,5	30	3,2	22	44	4,2



G1/4

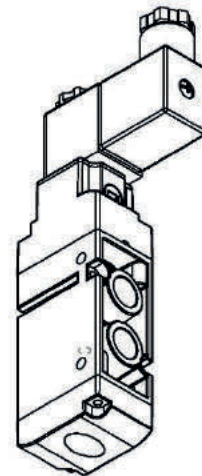
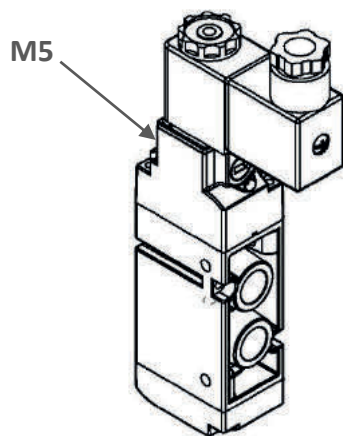
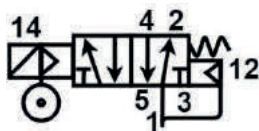


5/2

SIZE	CONTROL	RETURN	FLOW	Ø	PILOT PRESSURE		PRESSURE		COIL	STOCK
			(Lt/dk)	mm	Min.	Max.	Min.	Max.		
G1/4	Electric	Pneu.Mechanical Spring	1100	8,2	3	6	2	10	9mm	KRB.103
G1/4	Electric	Electric	1100	8,2	3	6	2	10	9mm	KRB.104

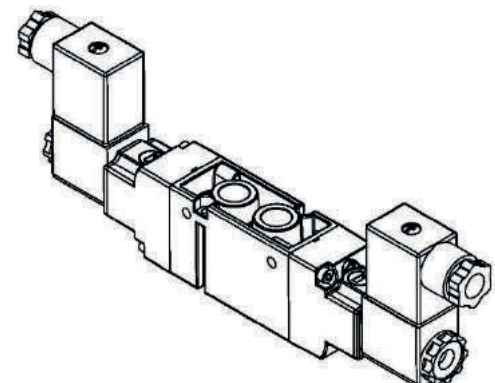
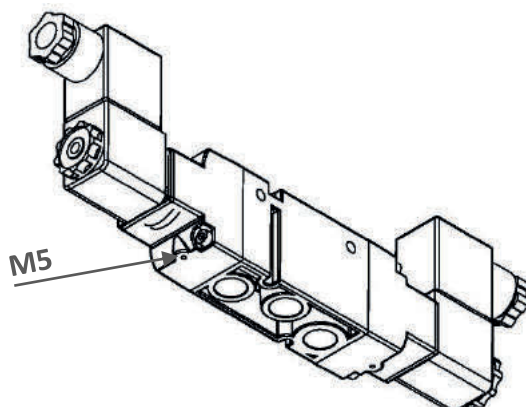
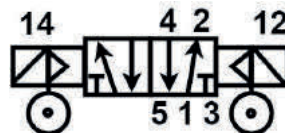
KRB.103

1/4 52 EXTERNAL PILOT SINGLE COIL VALVE



KRB.104

1/4 52 EXTERNAL PILOT DOUBLE COIL VALVE



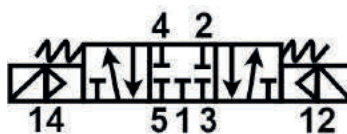
G1/4



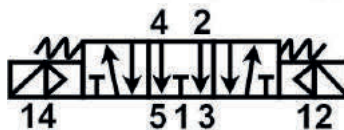
SIZE	CONTROL	RETURN	FLOW (Lt/dk)	mm	TEMPERATURE °C		PRESSURE		COIL mm	STOCK NO
					Min.	Max.	Min.	Max.		
G1/4	Electric	Electric	1100	8,2	-10	60	1,5	10	9mm	KRB.105
G1/4	Electric	Electric	1100	8,2	-10	60	1,5	10	9mm	KRB.106
G1/4	Electric	Electric	1100	8,2	-10	60	1,5	10	9mm	KRB.107
G1/4	Electric	Electric	1100	8,2	-10	60	1,5	10	9mm	KRB.108

5/3

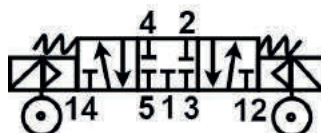
- **KRB.105**
1/4 53 DOUBLE COIL CLOSED CENTRAL VALVE



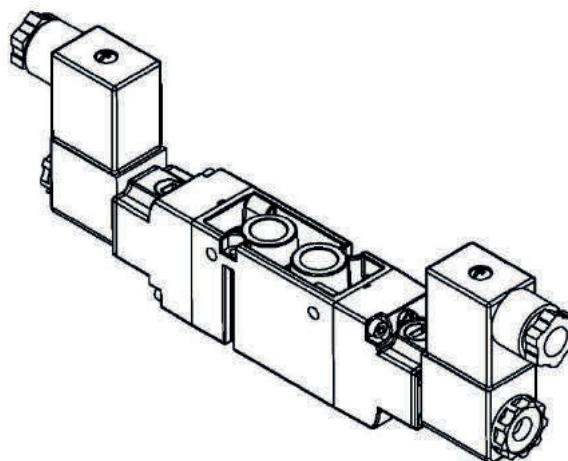
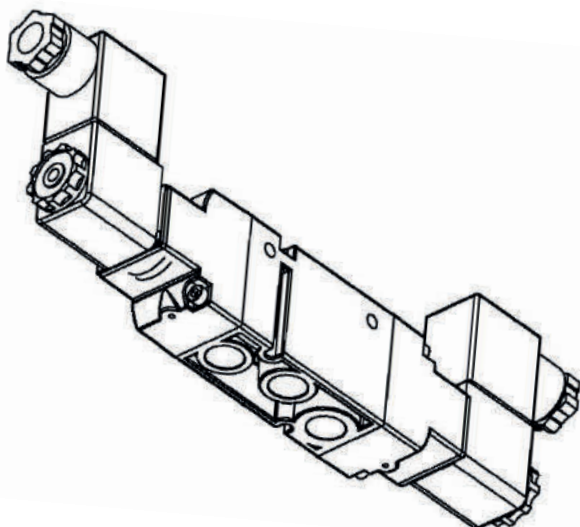
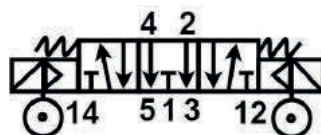
- **KRB.106**
1/4 53 DOUBLE COIL OPEN CENTRAL VALVE



- **KRB.107**
1/4 53 1/4 52 DOUBLE COIL
EXTERNAL PILOT CLOSED CENTRAL VALVE



- **KRB.108**
1/4 53 1/4 52 DOUBLE COIL
EXTERNAL PILOT OPEN CENTRAL VALVE

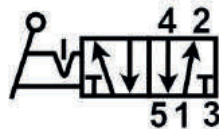


G1/4

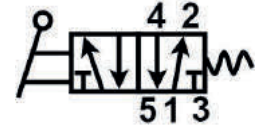

SIZE	CONTROL	RETURN	FLOW (Lt/dk)	Ø ORIFICE mm	TEMPERATURE °C		PRESSURE		COIL mm	STOCK NO
					Min.	Max.	Min.	Max.		
5/2	G1/4 Lever	Lever	1100	8,2	-10	60	0	10	9mm	KRB.201
	G1/4 Lever	Spring	1100	8,2	-10	60	0	10	9mm	KRB.202
5/3	G1/4 Lever	Lever	1100	8,2	-10	60	0	10	9mm	KRB.203
	G1/4 Lever	Lever	1100	8,2	-10	60	0	10	9mm	KRB.204
	G1/4 Lever	Spring	1100	8,2	-10	60	0	10	9mm	KRB.205
	G1/4 Lever	Spring	1100	8,2	-10	60	0	10	9mm	KRB.206

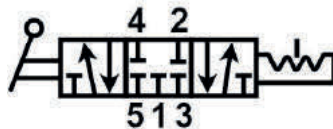
KRB.201

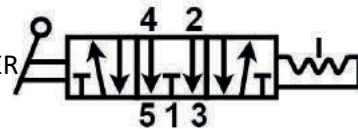
1/4 52 LEVER – LEVER VALVE

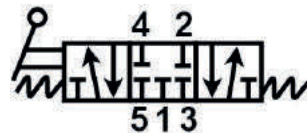

KRB.202

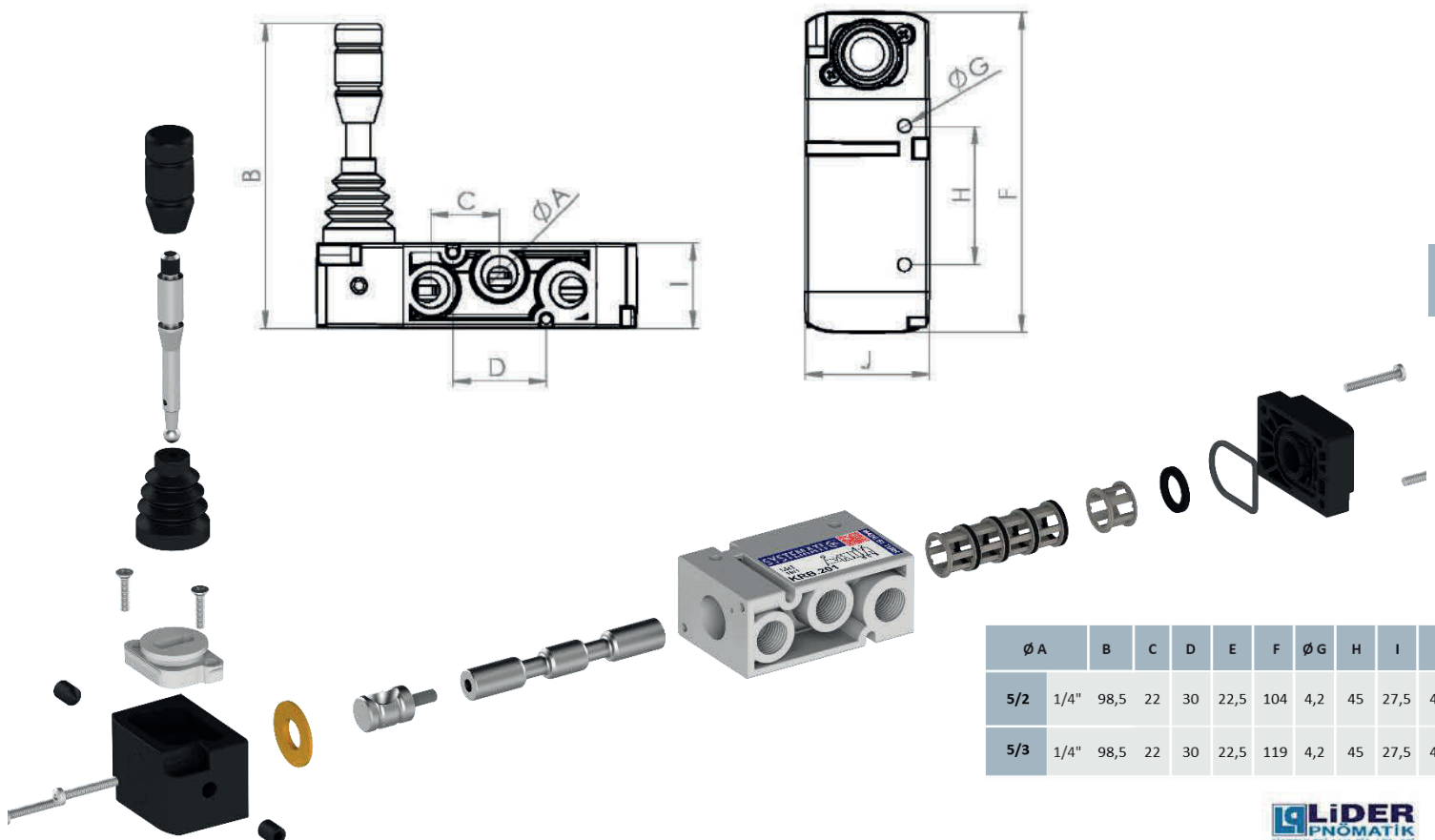
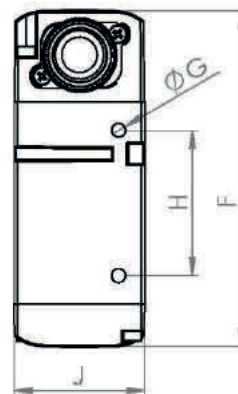
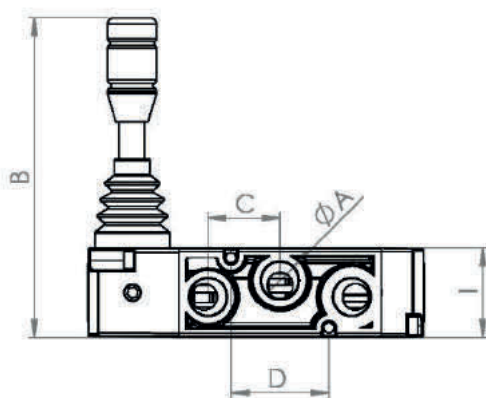
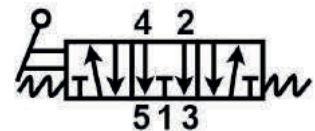
1/4 52 LEVER – SPRING VALVE


KRB.203

 1/4 53 LEVER – MIDDLE – LEVER
CLOSED CENTER VALVE

KRB.204

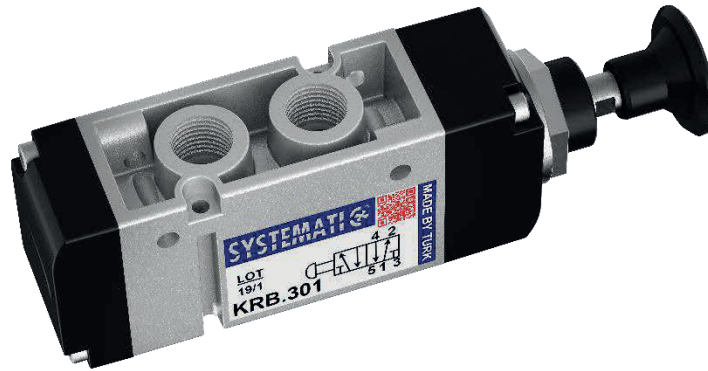
 1/4 53 LEVER – MIDDLE – LEVER
OPEN CENTER VALVE

KRB.205

 1/4 53 LEVER – SPRING – LEVER
CLOSED CENTER VALVE

KRB.206

 1/4 53 LEVER – SPRING – LEVER
OPEN CENTER VALVE


	Ø A	B	C	D	E	F	Ø G	H	I	J
5/2	1/4"	98,5	22	30	22,5	104	4,2	45	27,5	40
5/3	1/4"	98,5	22	30	22,5	119	4,2	45	27,5	40

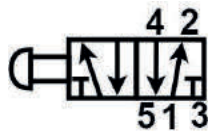
G1/4



SIZE	CONTROL	RETURN	FLOW	Ø ORIFICE	TEMPERATURE °C		PRESSURE		COIL	STOCK
			(Lt/dk)	mm	Min.	Max.	Min.	Max.	mm	NO
G1/4	Push	Pull	1100	8,2	-10	60	0	10	9mm	KRB.301
G1/4	Push	Spring	1100	8,2	-10	60	0	10	9mm	KRB.302

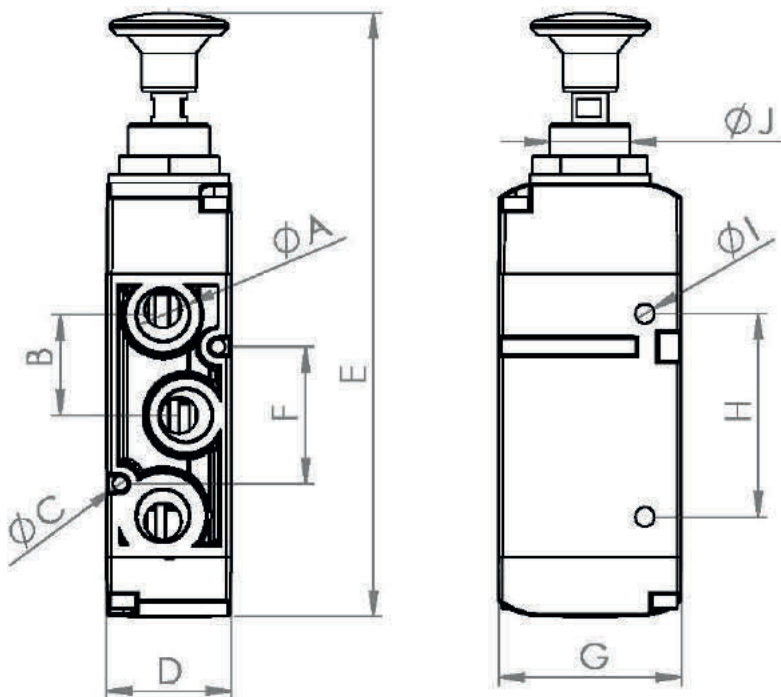
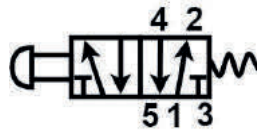
KRB.301

1/4 52 PUSH – PULL VALVE



KRB.302

1/4 52 PUSH – SPRING VALVE



Ø A		B	Ø C	D	E	F	G	H	Ø I	Ø J
5/2	1/4"	22	3,2	27,5	133	30	40	45	4,2	18

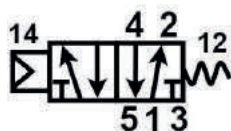


G1/4

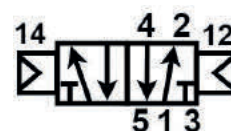

SIZE	CONTROL	RETURN	FLOW	Ø ORIFICE	TEMPERATURE °C		PRESSURE		COIL	STOCK
			(Lt/dk)	mm	Min.	Max.	Min.	Max.	mm	NO
G1/4	Air	Spring	1100	8,2	-10	60	0	10	9mm	KRB.401
G1/4	Air	Air	1100	8,2	-10	60	0	10	9mm	KRB.402
G1/4	Air	Air	1100	8,2	-10	60	0	10	9mm	KRB.401
G1/4	Air	Air	1100	8,2	-10	60	0	10	9mm	KRB.402

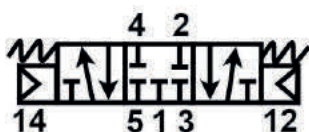
KRB.401

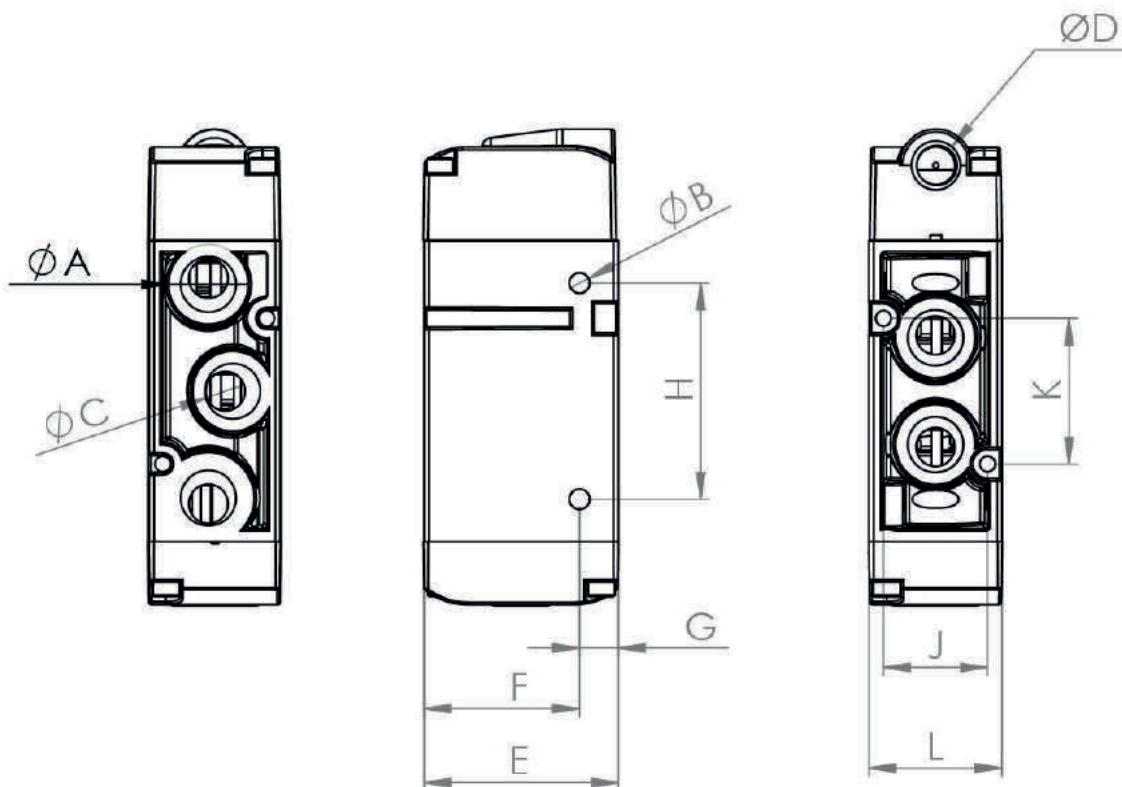
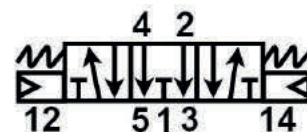
1/4 52 AIR - SPRING VALVE


KRB.402

1/4 52 AIR – AIR VALVE


KRB.401

 1/4 52 AIR – SPRING – AIR
CLOSED CENTER VALVE

KRB.402

 1/4 52 AIR – SPRING – AIR
OPEN CENTER VALVE


	A	B	C	D	E	F	G	H
G1	1"	4,2	8,2	1/8"	40	32	8	45

SPP series

POPPET VALVES FOR PRESSURE AIR

- ✓ Size: G1/2 - G3/4 - G1
- ✓ The original SYSTEMATIC poppet system, which has been appreciated for years
- ✓ It is suitable for applications where high turnover and high turnover rates are required.
- ✓ G1/2 - G3/4 - G1 2/2 version for blowing



TECHNICAL

Ambient temperature	+50 °Cmax		
Fluid temperature	-5 ÷ +60 °C		
Fluid	Filtered air 50 µm, greased or not greased		
Transion system	Poppet		
Ways / Position	2/2 NC (on request), 3/2 NC, 3/2 NO, 3/2 NC-NO		
Pressure	max 10bar		
Control	Pneumatic, indirect electropneumatic		
Retuns	Pneumatic mechanical spring		
Connection Dimension	G1/2	G3/4	G1
Orifice Ø(mm)	15	19	25
Nominal flow rate (l/min)	5400	6500	13500

STRUCTURAL PROPERTIES

Valve Body	G1/2 ÷ G1 = zamak
Felts and o-ringler	nitril poliürethan
Caps	G1/2 ÷ G1 = alüminyum

ELECTRICAL

	G1/2 – G3/4 – G1
Coil	9mm %100 ED
Power Consumption	6,5W (DC) ----8,5VA (AC)
Socket	9mm
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual	Button

G1/2 – G3/4 – G1



3/2 NC G1/2 – G3/4 – G1

SPP.101

SPP.103

SPP.105

3/2 NO G1/2 – G3/4 – G1

SPP.102

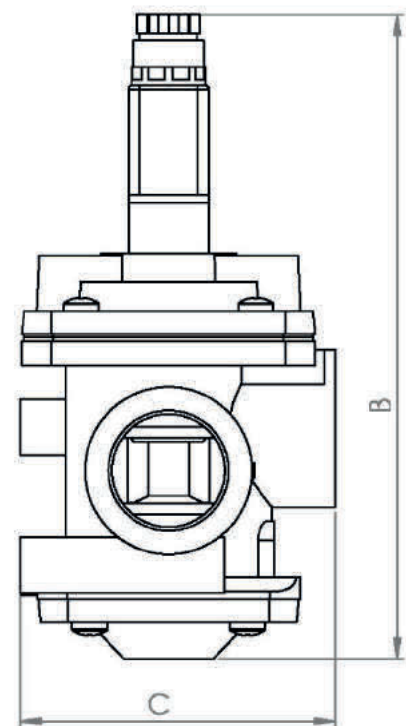
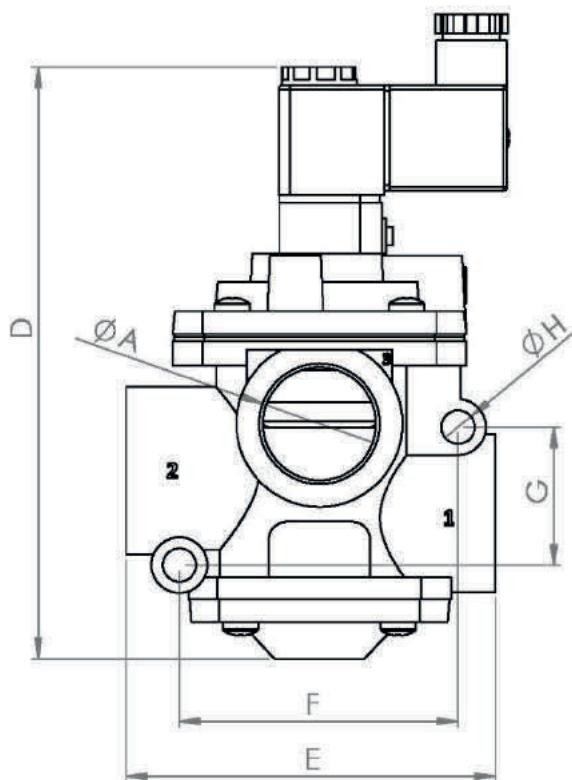
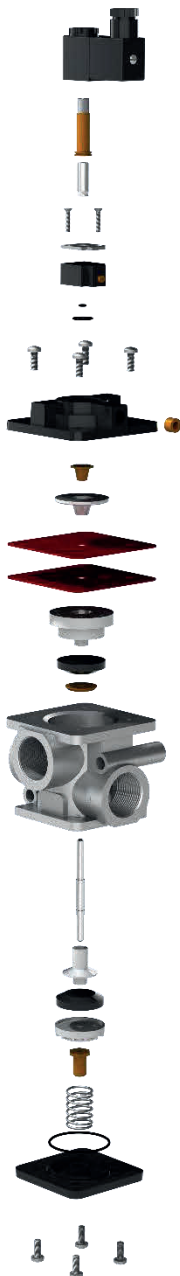
SPP.104

SPP.106

3/2 NC

3/2 NO

SIZE	CONTROL	RETURN	FLOW RATE	Ø	TIME (ms)		PRESSURE		WEIGHT	COIL	STOCK
			(Nl/Min)	mm	En	De-en	Min.	Max.	Kg.	mm	NO
G1/2	Electric	Pneu.Mechanical Spring	5400	15	17	27	2	10	1,20	9mm	SPP.101
G3/4	Electric	Pneu.Mechanical Spring	6500	19	17	27	2	10	1,15	9mm	SPP.103
G1	Electric	Pneu.Mechanical Spring	13500	25	20	32	2,2	10	1,60	9mm	SPP.105
G1/2	Electric	Pneu.Mechanical Spring	5400	15	17	27	2	10	1,20	9mm	SPP.102
G3/4	Electric	Pneu.Mechanical Spring	6500	19	17	27	2	10	1,15	9mm	SPP.104
G1	Electric	Pneu.Mechanical Spring	13500	25	20	32	2,2	10	1,60	9mm	SPP.106



	A	B	C	D	E	F	G	H
G1	1"	173	85	160	100	75	37	9
G3/4	3/4"	157	75	145	75	63	34	7
G1/2	1/2"	157	75	145	75	63	34	7

CONNECTION NUMBER	NORMALLY CLOSED	NORMALLY OPEN
1	AIR INPUT	DISCHARGE
2	AIR EXIT	AIR EXIT
3	DISCHARGE	AIR INPUT

G1/2 – G3/4 – G1



3/2 NC G1/2 – G3/4 – G1

SPP.201

SPP.203

SPP.205

3/2 NO G1/2 – G3/4 – G1

SPP.202

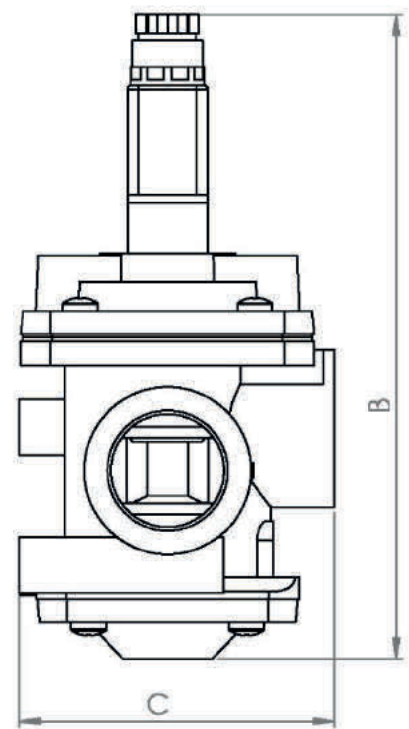
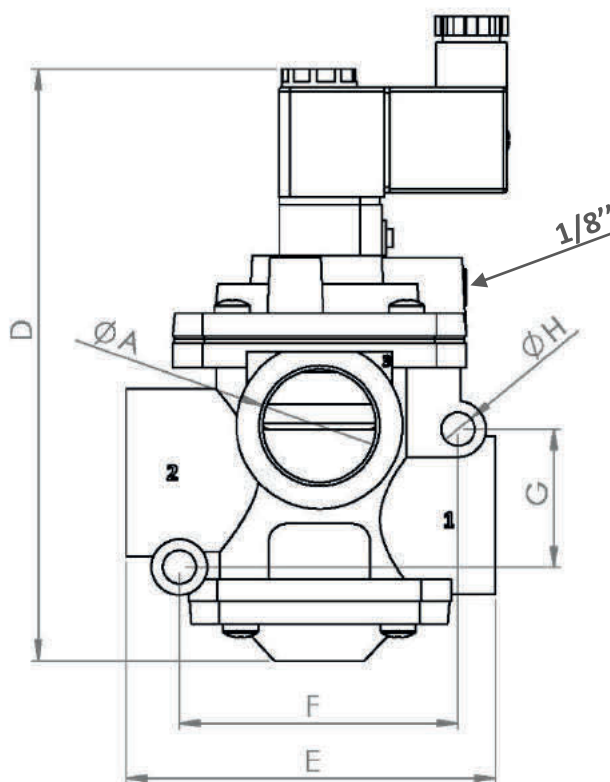
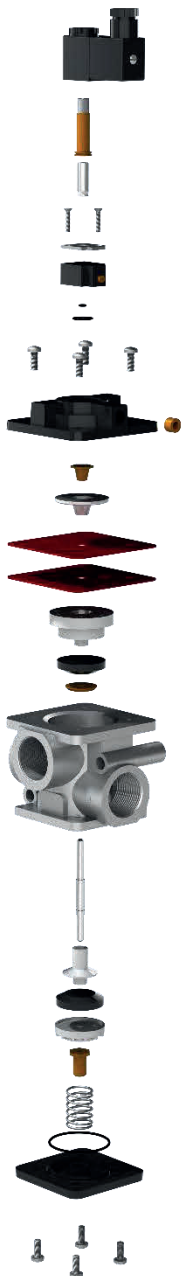
SPP.204

SPP.206

3/2 NC

3/2 NO

SIZE	CONTROL	RETURN	FLOW RATE	Ø	PILOT PRESSURE		PRESSURE		WEIGHT	COIL	STOCK
			(Nl/Min)	mm	Min.	Max.	Min.	Max.	Kg.	mm	NO
G1/2	Electric	Pneu.Mechanical Spring	5400	15	3	6	0,1	10	1,20	9mm	SPP.201
G3/4	Electric	Pneu.Mechanical Spring	6500	19	3	6	0,1	10	1,15	9mm	SPP.203
G1	Electric	Pneu.Mechanical Spring	13500	25	3	6	0,1	10	1,60	9mm	SPP.205
G1/2	Electric	Pneu.Mechanical Spring	5400	15	3	6	0,1	10	1,20	9mm	SPP.202
G3/4	Electric	Pneu.Mechanical Spring	6500	19	3	6	0,1	10	1,15	9mm	SPP.204
G1	Electric	Pneu.Mechanical Spring	13500	25	3	6	0,1	10	1,60	9mm	SPP.206



	A	B	C	D	E	F	G	H
G1	1"	173	85	160	100	75	37	9
G3/4	3/4"	157	75	145	75	63	34	7
G1/2	1/2"	157	75	145	75	63	34	7

CONNECTION NUMBER	NORMALLY CLOSED	NORMALLY OPEN
1	AIR INPUT	DISCHARGE
2	AIR EXIT	AIR EXIT
3	DISCHARGE	AIR INPUT

G1/2 - G3/4 - G1



3/2 NC G1/2 - G3/4 - G1

SPP.301
SPP.303
SPP.305

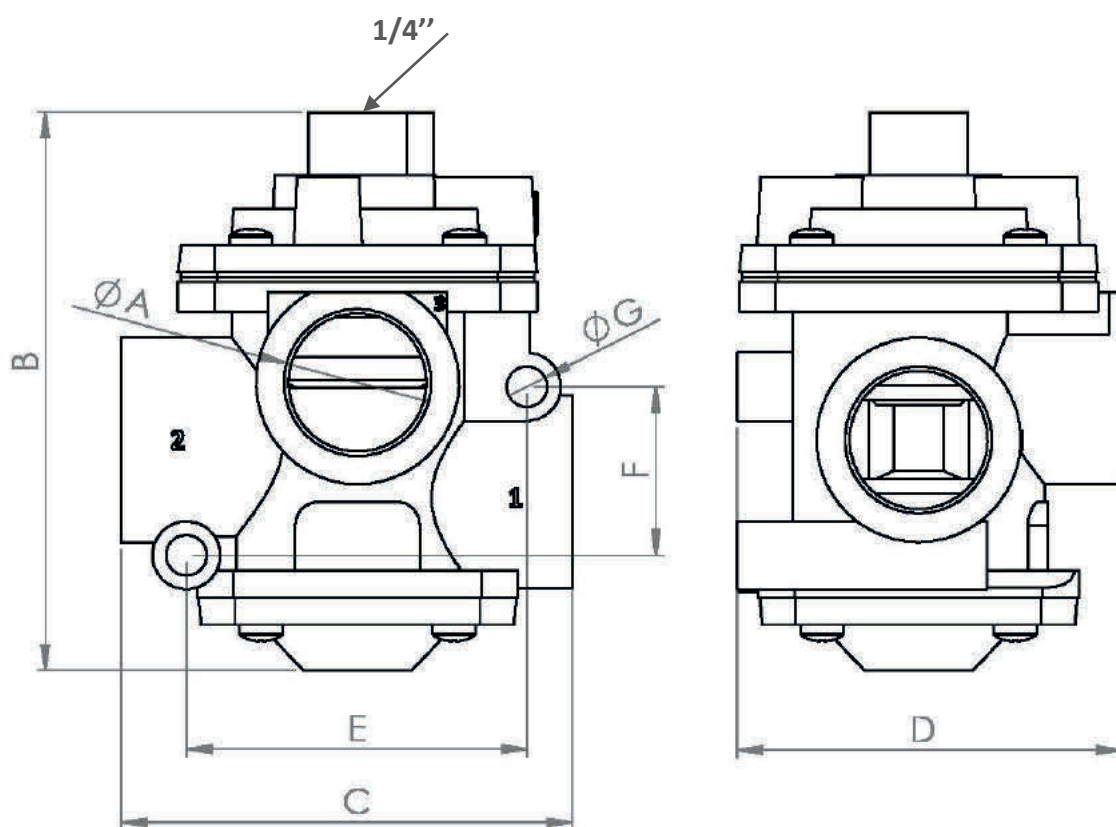
3/2 NO G1/2 - G3/4 - G1

SPP.302
SPP.304
SPP.306

3/2 NC

3/2 NO

SIZE	CONTROL	RETURN	FLOW RATE	Ø	PILOT PRESSURE		PRESSURE		WEIGHT	COIL	STOCK
			(Nl/Min)	mm	Min.	Max.	Min.	Max.	Kg.	mm	NO
G1/2	Electric	Pneu.Mechanical Spring	5400	15	3	6	0,1	10	1,20	9mm	SPP.301
G3/4	Electric	Pneu.Mechanical Spring	6500	19	3	6	0,1	10	1,15	9mm	SPP.303
G1	Electric	Pneu.Mechanical Spring	13500	25	3	6	0,1	10	1,60	9mm	SPP.305
G1/2	Electric	Pneu.Mechanical Spring	5400	15	3	6	0,1	10	1,20	9mm	SPP.302
G3/4	Electric	Pneu.Mechanical Spring	6500	19	3	6	0,1	10	1,15	9mm	SPP.304
G1	Electric	Pneu.Mechanical Spring	13500	25	3	6	0,1	10	1,60	9mm	SPP.306



	A	B	C	D	E	F	G
G1	1"	125	100	85	75	37	9
G3/4	3/4"	110	75	75	63	34	7
G1/2	1/2"	110	75	75	63	34	7

CONNECTION NUMBER	NORMALLY CLOSED	NORMALLY OPEN
1	AIR INPUT	DISCHARGE
2	AIR EXIT	AIR EXIT
3	DISCHARGE	AIR INPUT

SVP series

G1/2 - G3/4 - G1 VACUUM POPPET VALVES

- ✓ The original SYSTEMATIC poppet system, which has been appreciated for years.
- ✓ Poppet valve for control at high nominal flow capacities.
- ✓ Control of vacuum -, blowing and ventilation of the suction cup
- ✓ High quality internal system, high reliability and long working life.
- ✓ The normally open function ensures that the workpiece is retained even in the event of a power failure.
- ✓ Suitable for neutral or filtered air.
- ✓ There are three different options: Direct warning, External air pilot and Air warning.



TECHNICAL

Ambient temperature	+50 °C		
Fluid temperature	-5 ÷ +60 °C		
Fluid	Filtered air 50 µm greased or not greased - vacuum		
Transition system	Poppet		
Ways / Positions	2/2 NK (on request), 3/2 NC, 3/2 NO, 3/2 NC-NO		
Pressure	max 10bar		
Control	Indirect Vacuum		
Return	Vacuum automatic		
Connection Size	G1/2	G3/4	G1
Orifice Ø(mm)	15	19	25

STRUCTURAL PROPERTIES

Valve Body	G1/ 2÷ G1 = zamak
Felts and o-ring	nitrile , silicon , polyurethane
Caps	G1/2 ÷ G1 = aluminum

ELECTRICAL

	G1/2 – G3/4 – G1
Coil	9mm %100 ED
Power Consumption	6,5W (DC) ---- 8,5VA (AC)
Socket	9mm
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual	Düğme



3/2 NC G1/2 - G3/4 - G1

SVP.101
SVP.103
SVP.105

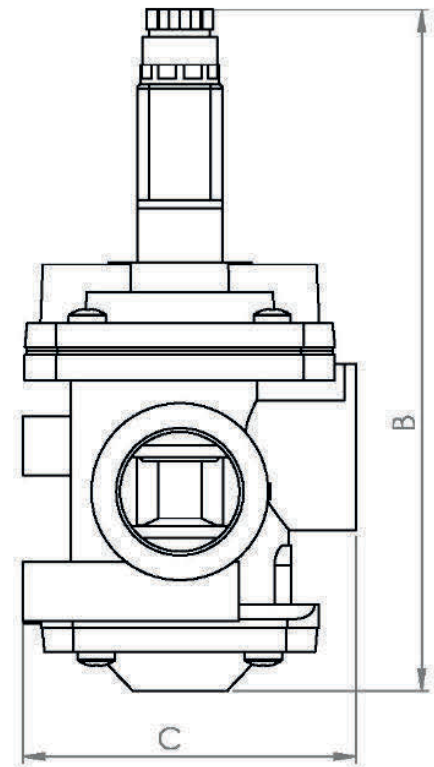
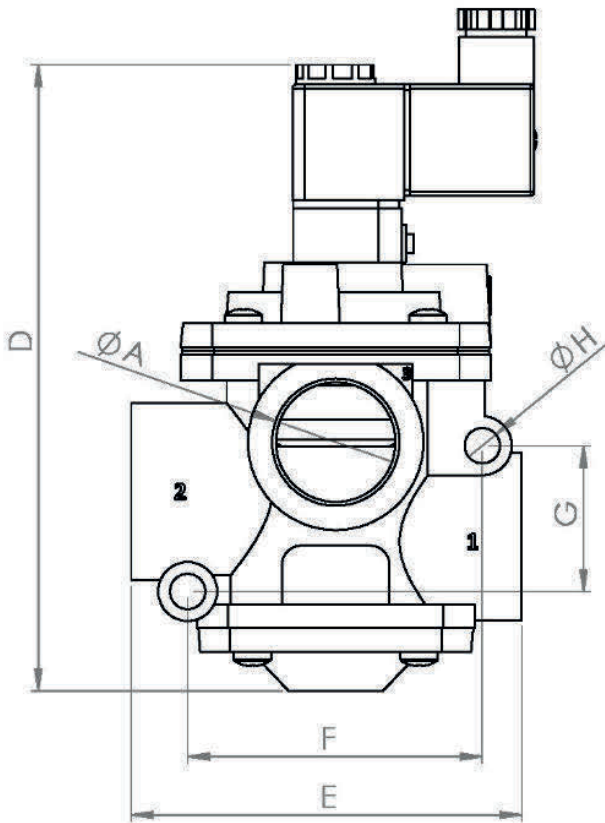
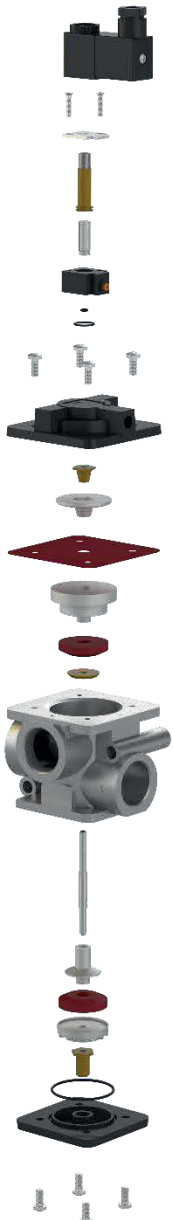
3/2 NO G1/2 - G3/4 - G1

SVP.102
SVP.104
SVP.106

3/2 NC

3/2 NO

SIZE	CONTROL	RETURN	TIME		POMP	Min VACUUM		Max VACUUM		WEIGHT	COIL	STOCK
			En	De-en		mm Hg	Torr	mm Hg	Torr			
G1/2	Electric	Vacuum	30	15	20	150	610	759,5	0,5	1,20	9mm	SVP.101
G3/4	Electric	Vacuum	30	15	35	150	610	759,5	0,5	1,15	9mm	SVP.103
G1	Electric	Vacuum	38	18	90	150	610	759,5	0,5	1,60	9mm	SVP.105
G1/2	Electric	Vacuum	30	15	20	150	610	759,5	0,5	1,20	9mm	SVP.102
G3/4	Electric	Vacuum	30	15	35	150	610	759,5	0,5	1,15	9mm	SVP.104
G1	Electric	Vacuum	38	18	90	150	610	759,5	0,5	1,60	9mm	SVP.106



	A	B	C	D	E	F	G	H
G1	1"	173	85	160	100	75	37	9
G3/4	3/4"	157	75	145	75	63	34	7
G1/2	1/2"	157	75	145	75	63	34	7

CONNECTION NUMBER	NORMALLY CLOSED	NORMALLY OPEN
1	DISCHARGE	VACCUM
2	VACUUM TRANSITION	VACUUM TRANSITION
3	VACCUM	

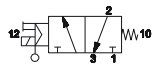


3/2 NC G1/2 - G3/4 - G1

SVP.201

SVP.203

SVP.205

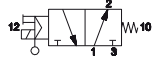


3/2 NO G1/2 - G3/4 - G1

SVP.202

SVP.204

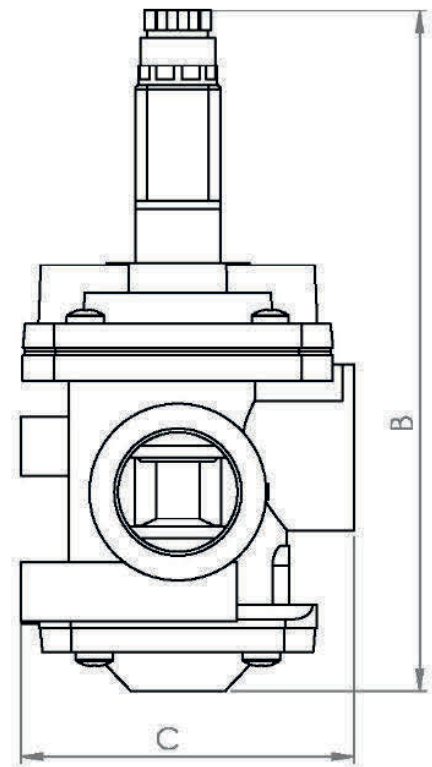
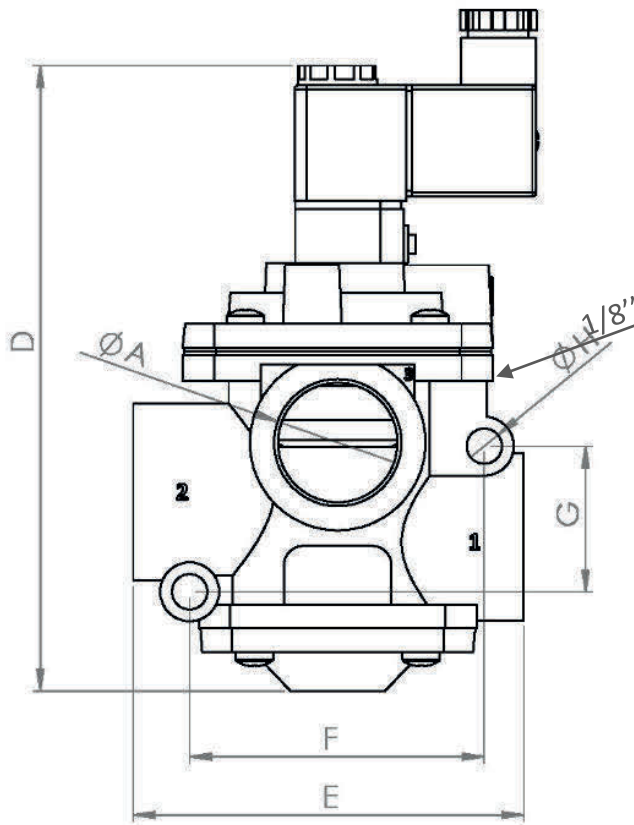
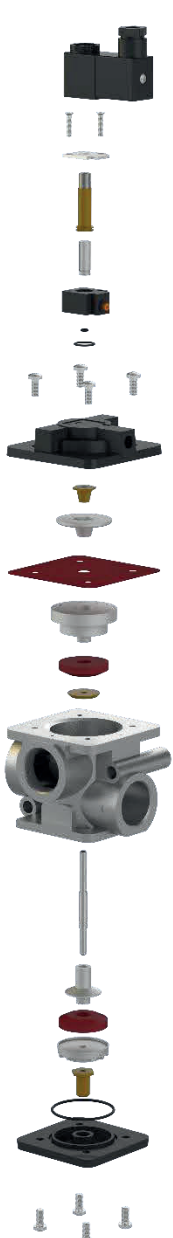
SVP.206



3/2 NC

3/2 NO

SIZE	CONTROL	RETURN	TIME		PUMP	Min. PILOT	Max VACUUM		WEIGHT	COIL	STOCK
			En	De-en	Max m³/h	PRESSURE	mm Hg	Torr	Kg.	mm	NO
G1/2	Electric	Mech. Spring	16	40	20	3	759,5	0,5	1,20	9mm	SVP.201
G3/4	Electric	Mech. Spring	16	40	35	3	759,5	0,5	1,15	9mm	SVP.203
G1	Electric	Mech. Spring	18	42	90	3	759,5	0,5	1,60	9mm	SVP.205
G1/2	Electric	Mech. Spring	30	15	20	3	759,5	0,5	1,20	9mm	SVP.202
G3/4	Electric	Mech. Spring	30	15	35	3	759,5	0,5	1,15	9mm	SVP.204
G1	Electric	Mech. Spring	38	18	90	3	759,5	0,5	1,60	9mm	SVP.206

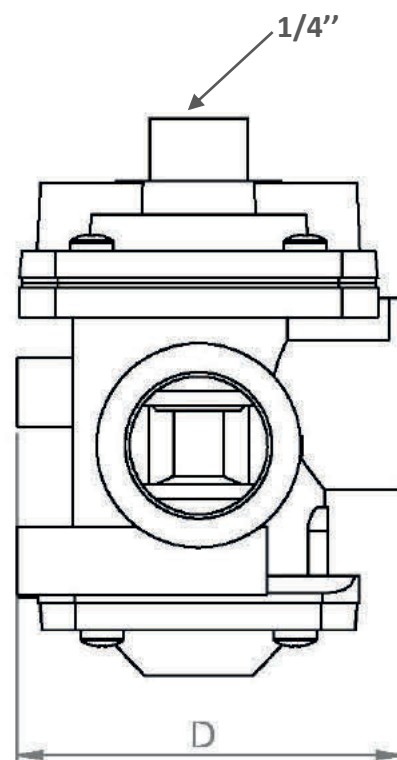
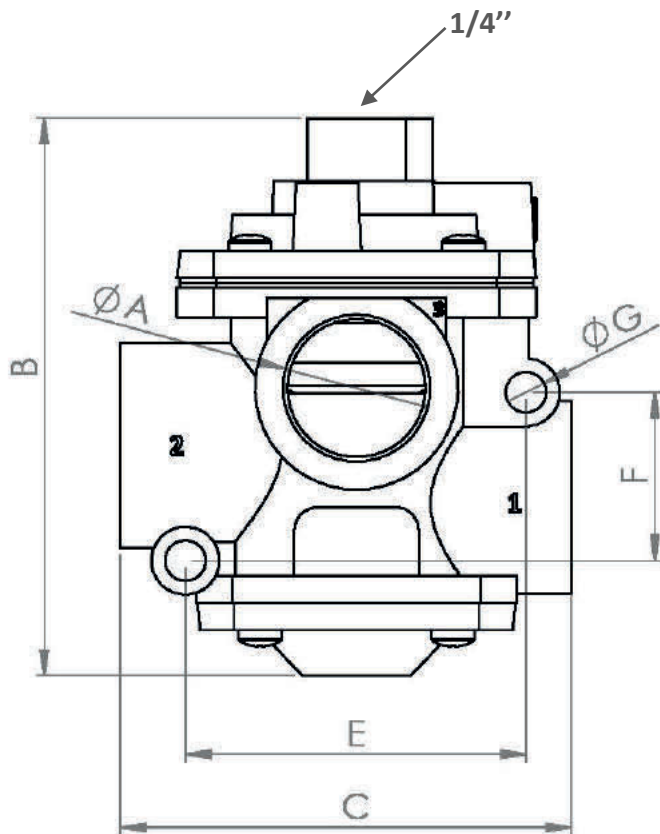


	A	B	C	D	E	F	G	H
G1	1"	173	85	160	100	75	37	9
G3/4	3/4"	157	75	145	75	63	34	7
G1/2	1/2"	157	75	145	75	63	34	7

CONNECTION NUMBER	NORMALLY CLOSED	NORMALLY OPEN
1	DISCHARGE	VACCUM
2	VACUUM TRANSITION	VACUUM TRANSITION
3	VACCUM	DISCHARGE


3/2 NC G1/2 - G3/4 - G1
**SVP.301
SVP.303
SVP.305**
3/2 NO G1/2 - G3/4 - G1
**SVP.302
SVP.304
SVP.306**
3/2 NC
3/2 NO

SIZE	CONTROL	RETURN	TIME		POMP Max m³/h	Min. PILOT PRESSURE	Max VACUUM		WEIGHT Kg.	COIL mm	STOCK NO
			En	De-en			mm Hg	Torr			
G1/2	Electric	Mech. Spring	16	40	20	3	759,5	0,5	1,20	9mm	SVP.301
G3/4	Electric	Mech. Spring	16	40	35	3	759,5	0,5	1,15	9mm	SVP.303
G1	Electric	Mech. Spring	18	42	90	3	759,5	0,5	1,60	9mm	SVP.305
G1/2	Electric	Mech. Spring	30	15	20	3	759,5	0,5	1,20	9mm	SVP.302
G3/4	Electric	Mech. Spring	30	15	35	3	759,5	0,5	1,15	9mm	SVP.304
G1	Electric	Mech. Spring	38	18	90	3	759,5	0,5	1,60	9mm	SVP.306



	A	B	C	D	E	F	G
G1	1"	125	100	85	75	37	9
G3/4	3/4"	110	75	75	63	34	7
G1/2	1/2"	110	75	75	63	34	7

CONNECTION NUMBER	NORMALLY CLOSED	NORMALLY OPEN
1	DISCHARGE	VACCUM
2	VACUUM TRANSITION	VACUUM TRANSITION
3	VACCUM	DISCHARGE

SGM series

GENERAL PURPOSE SOLENOID VALVES

G1/8 - G1/4 - G3/8 - G1/2 - G3/4 - G1

- ✓ Suitable for general purpose use.
- ✓ Aluminum housing design
- ✓ Optional viton and nitrile diaphragm options
- ✓ Standard 9mm coil
- ✓ AMISCO electrical components



TECHNICAL

Ambient temperature	+50°C
Fluid temperature	-5 ÷ +60 °C
Fluid	Filtered air 50 µm greased or not greased
Transition system	diaphragm , direct
Ways / Positions	3/2 NC, 2/2 NC-NO
Pressure	max 10bar
Control	Pneumatic, indirect electropneumatic
Return	pneumatic mechanical spring

Bağlantı Ölçüsü	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Orifis Ø (mm)	1,5	1,5	12	12	25	25
Kv(lt/dk)	8	8	70	70	90	90

STRUCTURAL PROPERTIES

Valve Body	G1/2 ÷ G1 = Aluminum
Felts and o-ring	nitrile , viton
Caps	G1/2 ÷ G1 = aluminum

ELECTRICAL

	G1/8 - G1/4 - G3/8 - G1/2 - G3/4 - G1
Coil	9mm %100 ED
Power Consumption	6,5W (DC) ---- 8,5VA (AC)
Socket	9mm
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual	Button

G1/8 – G1/4 – G3/8 - G1/2 – G3/4 – G1



2/2 NC G1/8 – G1/4 – G3/8
G1/2 – G3/4 – G1

SGM.100
SGM.101
SGM.102
SGM.103
SGM.104
SGM.105

2/2 NO G3/8 – G1/2 – G3/4 – G1

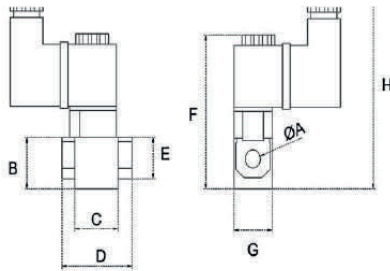
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SGM.103-1
SGM.104-1
SGM.105-1

2/2 NC

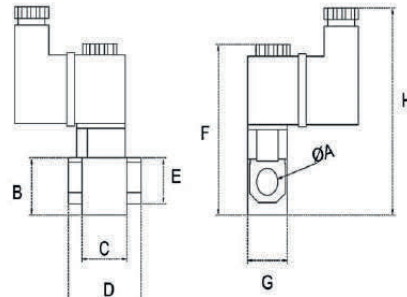
2/2 NO

SIZE	CONTROL	RETURN	FLOW RATE	Ø	TEMPERATURE C°		PRESSURE		WEIGHT	COIL	STOCK
			(Lt/Dk)	mm	Min.	Max.	Min.	Max.	Kg.	mm	NO
G1/8	Electric	Pneu. Mechanical Spring	8	1,5	-10	90	0	10	0,15	9mm	SGM.101
G1/4	Electric	Pneu. Mechanical Spring	8	1,5	-10	90	0	10	0,10	9mm	SGM.102
G3/8	Electric	Pneu. Mechanical Spring	70	12	-10	90	0,5	10	0,23	9mm	SGM.103
G1/2	Electric	Pneu. Mechanical Spring	70	12	-10	90	0,5	10	0,20	9mm	SGM.104
G3/4	Electric	Pneu. Mechanical Spring	90	25	-10	90	0,5	10	0,50	9mm	SGM.105
G1	Electric	Pneu. Mechanical Spring	90	25	-10	90	0,5	10	0,45	9mm	SGM.106
G3/8	Elektrik	Pneu. Mechanical Spring	70	12	-10	90	0,5	10	0,23	9mm	SGM.103-1
G1/2	Elektrik	Pneu. Mechanical Spring	70	12	-10	90	0,5	10	0,20	9mm	SGM.104-1
G3/4	Elektrik	Pneu. Mechanical Spring	90	25	-10	90	0,5	10	0,50	9mm	SGM.105-1
G1	Elektrik	Pneu. Mechanical Spring	90	25	-10	90	0,5	10	0,45	9mm	SGM.106-1

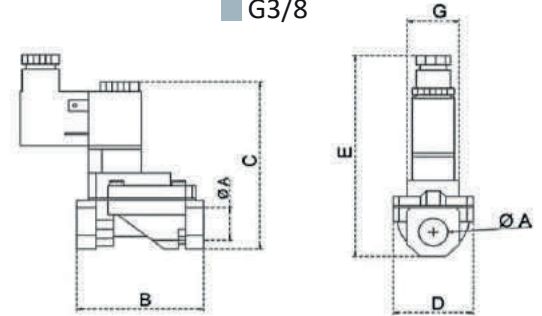
■ G1/8



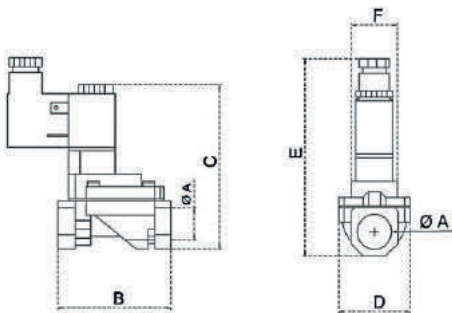
■ G1/4



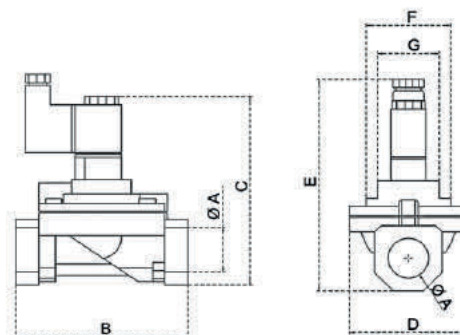
■ G3/8



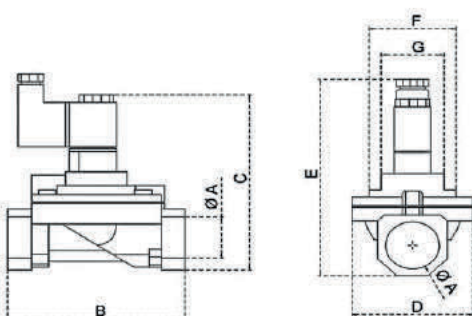
■ G1/2



■ G3/4



■ G1



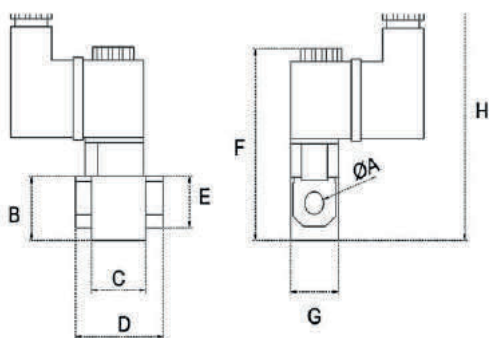
	A	B	C	D	E	F	G	H
G1/8	1/8"	26	26	40,6	20	74	22	88
G1/4	1/4"	26	26	40,6	20	74	22	88
G3/8	3/8"	65	92	41	105	27	-	-
G1/2	1/2"	65	92	41	105	27	-	-
G3/4	3/4"	105	118	72	130	51	37	-
G1	1"	105	118	72	130	51	37	-



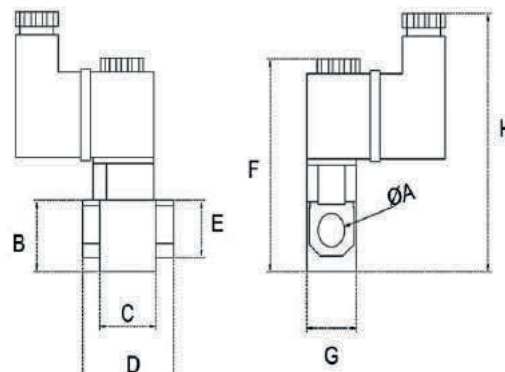
SIZE	CONTROL	RETURN	FLOW RATE	Ø	TEMPERATURE C°		PRESSURE		WEIGHT	COIL	STOCK
			(Lt/Dk)	mm	Min.	Max.	Min.	Max.	Kg.	mm	NO
G1/8	Electric	Pneu. Mechanical Spring	8	1,5	-10	90	0	10	0,15	9mm	SGM.100-1
G1/4	Electric	Pneu. Mechanical Spring	8	1,5	-10	90	0	10	0.10	9mm	SGM.101-1

3/2 NC

G1/8



G1/4



	A	B	C	D	E	F	G	H
G1/8	1/8"	26	26	40,6	20	74	22	88
G1/4	1/4"	26	26	40,6	20	74	22	88



SIZE	CONTROL	RETURN	FLOW RATE	Ø	TEMPERATURE C°		PRESSURE		WEIGHT	COIL	STOCK
			(Lt/Dk)	mm	Min.	Max.	Min.	Max.	Kg.	mm	NO
G1/8	Electric	Pneu. Mechanical Spring	70	12	-10	90	0	10	0.23	9mm	SEY.700

3/2 NC

SEY.700 Pilot Valves single screw
Unlimited number of side by side.

CE DECLARATION OF CONFORMITY AT UYGUNLUK BEYANI

ÜRETİCİ FİRMA: LİDER PNÖMATİK SİSTEMLERİ SAN.TİC.LTD.ŞTİ.
İkitelli Organize Sanayi Bölgesi, Biksın Yapı Koop.
D Blok No:58 BAŞAKŞEHİR-İSTANBUL / TÜRKİYE

Machinery Directive / Makine Direktifi : 2006 / 42 / EC

EMC Directive / EMC Direktifi : 2004 / 108 / EC

LVD Directivi / LVD Direktifi : 2006 / 95 / EC

Including amendment "Council Directive of the approximation of the laws of the Member States relating to electromagnetic compatibility and low voltage" / Değişikliklerde dahil olmak üzere Elektromanyetik uyumluluk ve düşük voltajla ilgili Üye Devletlerin kanunlarının yaklaştırılmasına ilişkin konsey direktifleri.

CERTIFICATE NUMBER/SERTİFİKA NUMARASI : N 16 21636 1016 00 NY

KIND OF PRODUCT / ÜRÜN BİLGİSİ : PRESS SAFETY VALVE / PRES EMNİYET VALFİ

**TYPE DESIGNATION / MODEL : SPEV 1923-10/11/12/13/14/15 ve
: SPEV 1923-20/21/22/23/24/25**

Are in compliance with the standards listed below proves the conformity of the designated products with the provisions of the EC Directive. / aşağıda listelenen standartlara uygun EC Direktifleri hükümlerine belirlenen ürünlerin uygunluğunu kanıtlıyor

EN 61000-6-4	: 2007 / A1:2011
EN 61000-6-2	: 2005
EN 13849-1	: 2008
TEST REPORT NUMBERS /	: A 1016 21636 00 AC
TEST RAPOR NUMARALARI	: M 1016 21636 00 NY
EMNİYET FONKSİYONEL SEVİYE	: E SINIFI KATEGORİ IV TÜR

As manufacturer Company we declare that our products with CE label are in conformity with the standards and directives mentioned in this declaration. / Üretici firma olarak CE ile işaretlenmiş ürünlerimizin bu belgede belirttiğimiz standartlara uygun olduğunu beyan ederiz.



GENEL MÜDÜR / GENERAL MANAGER

Mahir KARABEK



UE DECLARATION OF CONFORMITY



We declare under our sole responsibility that the product:

Coil type: EVI 7/9

Nominal voltage: up to 240V
Nominal Power: up to 6.5W [DC] or 9VA [AC]
Ambient temperature: -40 + +50 °C
Tolerance range on nominal values: ±10%

Type of connection and other information are available on Amisco catalogue or on request.

Is conform to the following directives:

- 2014/35/UE LV
- 2011/65/UE RoHS

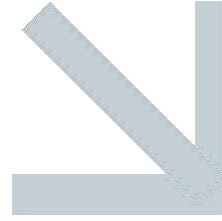
with reference (if applicable) to the following harmonized standards:

- | | |
|---------------------|---------------------|
| • EN 12100 [2010] | • EN 60664/1 [2007] |
| • EN 60204/1 [2006] | • VDE 0580 [2011] |

Filippo Rotondo
Amisco Technical Division Manager

Paderno Dugnano, 6 December 2016

The data supplied in Amisco catalogues are to be consulted, and pertinent accident prevention regulations are to be followed during product installation and use. Any unauthorized work performed by purchaser or by third parties can impair its functions, and relieves Amisco of all warranty claims and liability for any resulting damage.



SYSTEMATIC®

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