



SINGLE SOLENOID VALVES



2 * 3/2 SOLENOID VALVES



NAMUR VALVES



2 * 3/2 AIR PILOT VALVES



MANUALLY OPERATED VALVES



PEDAL VALVE

SME 1/4" SERIE VALVES

SEMAK[®]MATIC
PNEUMATIC EQUIPMENTS

www.sematik.tr

1/4" SME SERIE VALVES

SOLENOID VALVES & NAMUR

BASES / COILS / ACCESSORIES

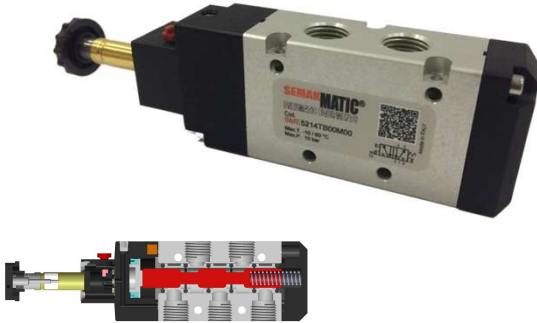
AIR PILOT VALVES

MANUALLY OPERATED VALVES

NEW PRODUCTS



1/4 " SME VALVES



❑ 3/2 SOLENOID VALVES

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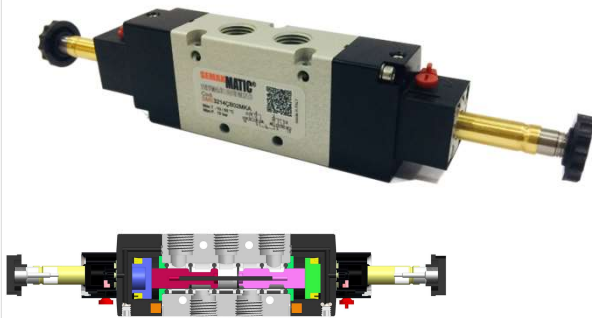
❑ 5/2 SOLENOID VALVES

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❑ 5/3 SOLENOID VALVES

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1/4 " SME VALVES



❑ 2 * 3/2 N.C. SOLENOID VALVE

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❑ 2 * 3/2 N.O SOLENOID VALVE

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❑ 2 * 3/2 N.C. + N.O. SOLENOID VALVE

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1/4 " SME VALVES



❑ 5/2 NAMUR SINGLE SOLENOID VALVE

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❑ 5/2 NAMUR SOLENOID BISTABLE VALVE

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❑ STANDART & EXPROOF COILS

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1/4 " SME VALVES



❑ 3/2 AIR PILOT VALVES

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❑ 5/2 AIR PILOT VALVES

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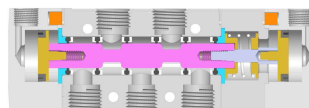
❑ 5/3 C.C .. O.C. AIR PILOT VALVES

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❑ 3/2 * 2 N.C. – N.O – N.O + N.C.

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1/4 " SME VALVES



❑ 3/2 – 5/2 – 5/3 HAND OPERATED VALVES

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❑ 3/2 – 5/2 DRAWER VALVES

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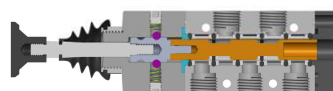
❑ 5/2 PEDAL VALVES

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❑ **NEW PRODUCTS**

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1/4 " SME VALVES



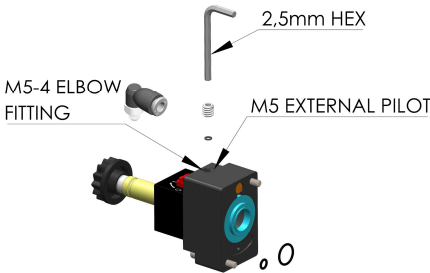
3/2 – 1/4" SINGLE SOLENOID N.C.



- ❑ Flow rate is 1000 NI / min. at 6 bar
- ❑ External pilot is available for all the solenoid serie with M5 thread
- ❑ Pneumatic connection ports 1.2.3. ... 1/4"
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 black anodized / Back cover Technopolimer
- ❑ Min. working pressure is 1,5 bar
- ❑ 3 cycle / sec. reachable max. life time with suitable Ødia. and stroke
- ❑ Suitable for vacuum and low pressure application with external pilot

For external pilot application,

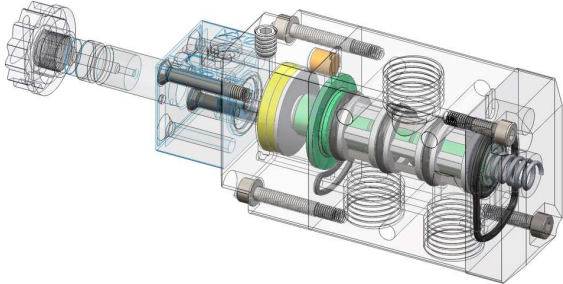
- 1) Unscrew the setskur
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the suitable o-ring (3 * 1) by closing the air pilot supply
- 6) Assemble the valve head



ORDERING CODES for a VALVE

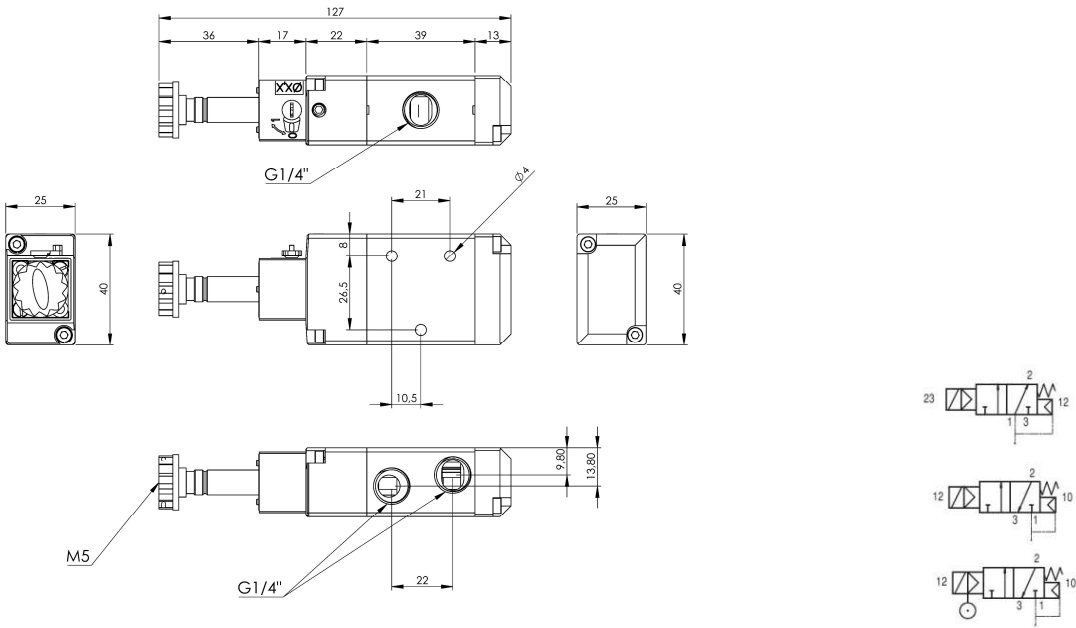
3/2 – 1/4" SINGLE SOLENOID n.c.	: SME3214TB00MNK
3/2 – 1/4" SINGLE SOLENOID n.c. external pilot	: SME3214TB00PMNK
3/2 – 1/4" SINGLE SOLENOID n.o.	: SME3214TB00MNA
3/2 – 1/4" SINGLE SOLENOID n.o. external pilot	: SME3214TB00PMNA

INTERNAL VIEW



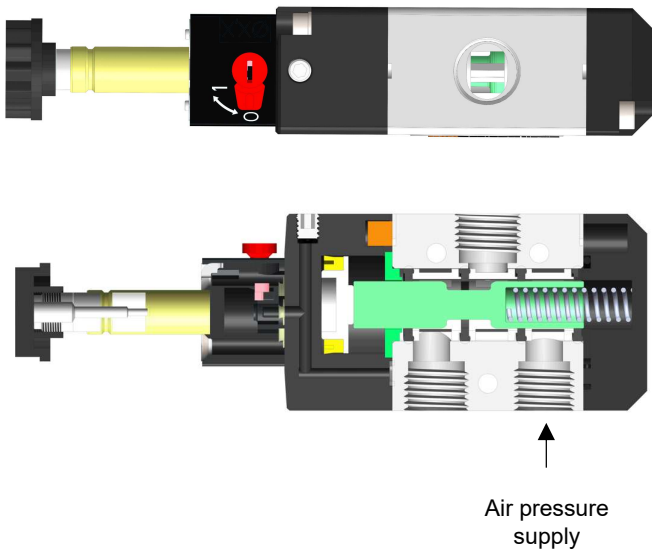
Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.1,5 bar - max. 10 bar spring return with internal air pilot
Temperature range	: - 10 ° C / + 60 ° C
Version	: 3/2 - 1/4" spring return / external pilot / n.o. / n.c.
Materials	
Covers	: Front cover al. 2011 black colored anodized back cover technopolimer
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Nominal Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 1.000 NI/ min. at 6 bar Δp 1 bar
Life time	: 3 cycle / sec. with suitable cylinder / 50.mio cycle life time under proper condition
Vacuum & low pressure app.	: Suitable with external pilot

DRAWING (N.C. / N.O.) (EXTERNAL PILOT)



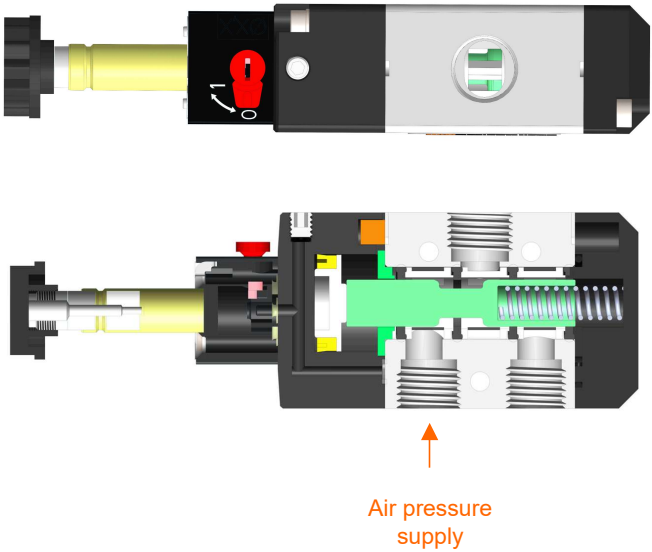
SOLID IMAGE

(3/2 single solenoid n.c.)



SOLID IMAGE

(3/2 single solenoid n.o.)



ACCESSORIES & SPARE PARTS



COILS & SOCKETS
(page 16)



O- RING KIT
Cod. SMV1401A



9 mm BRASS
TUBE & NUCLEUS
Cod. SMV1802



MAXI POPPET VALVE
Cod. SMV3218TBP3MNK



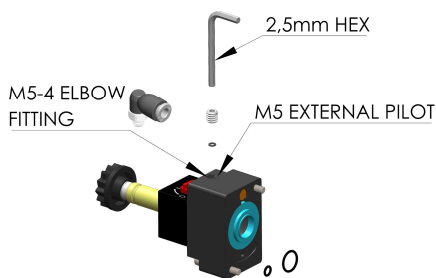
BASES &
BLANKING PLATE
(page 17)

5/2 – 1/4" SINGLE SOLENOID (spring return / external pilot)



For external pilot application,

- 1) Unscrew the setscrew
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the special shaped o-ring by closing the air pilot supply
- 6) Assemble the valve head



❑ Flow rate is 1000 NI / min. at 6 bar

❑ External pilot is available for all the solenoid serie with M5 thread

❑ Pneumatic connection ports 1.2.3.4.5 .. 1/4"

❑ Body Al. 2011 natural anodized

❑ Front cover Al. 2011 black anodized / Back cover Technopolimer

❑ Min. working pressure is 1,5 bar

❑ 3 cycle / sec. reachable max. life time with suitable Ø dia. and stroke

❑ Suitable for vacuum and low pressure application with external pilot

ORDERING CODES for a VALVE

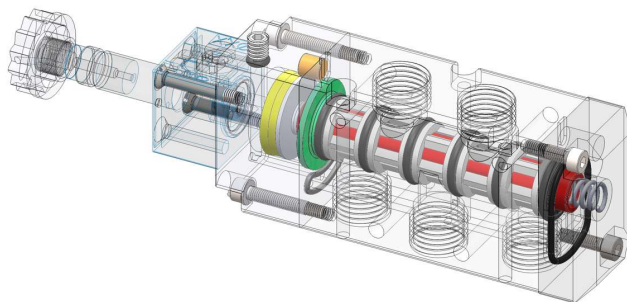
5/2 – 1/4" SINGLE SOLENOID

: SME5214TB00M00

5/2 – 1/4" SINGLE SOLENOID external pilot

: SME5214TBDPM00

INTERNAL VIEW



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continuous .

Pressure range : min.1,5 bar max. 10 bar spring return with internal air pilot

Temperature range : - 10 ° C / + 60 ° C

Version : 5/2 - 1/4" spring return / external pilot

Materials

Covers : Front cover al. 2011 black colored anodized back cover technopolimer

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

Nominal Orifice : 7 mm

Mounting : In any position

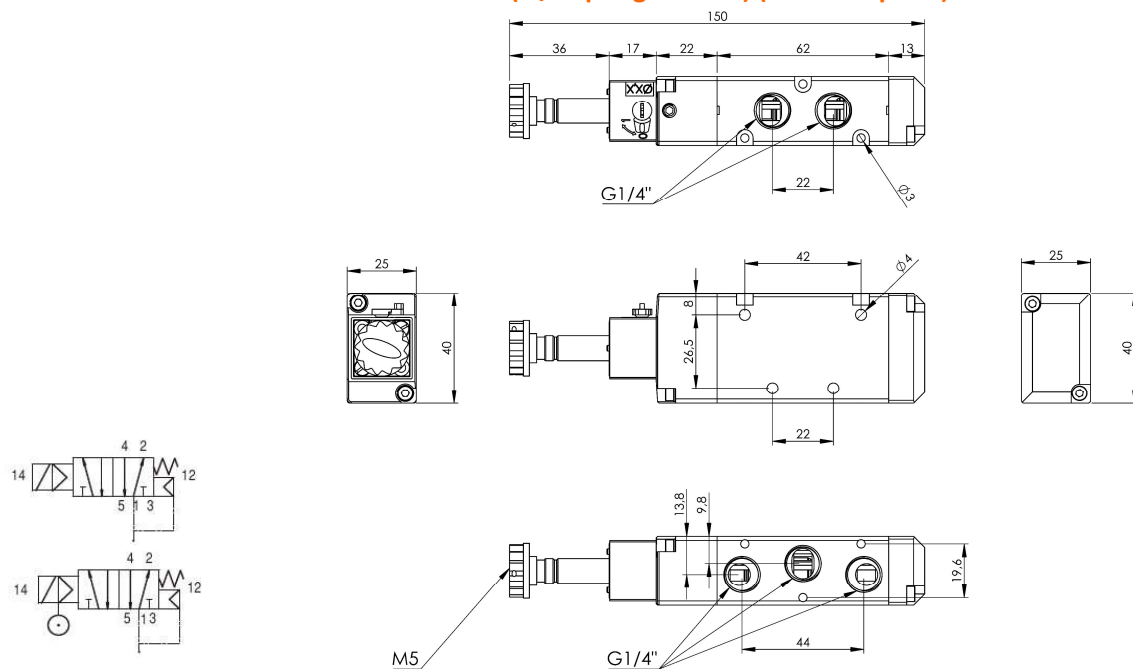
Flow rate : 1.000 NI/ min. at 6 bar Δp 1 bar

Life time : 3 cycle / sec. with suitable cylinder / 50 mio. cycle life time under proper condition

Vacuum & low pressure app. : Suitable with external pilot

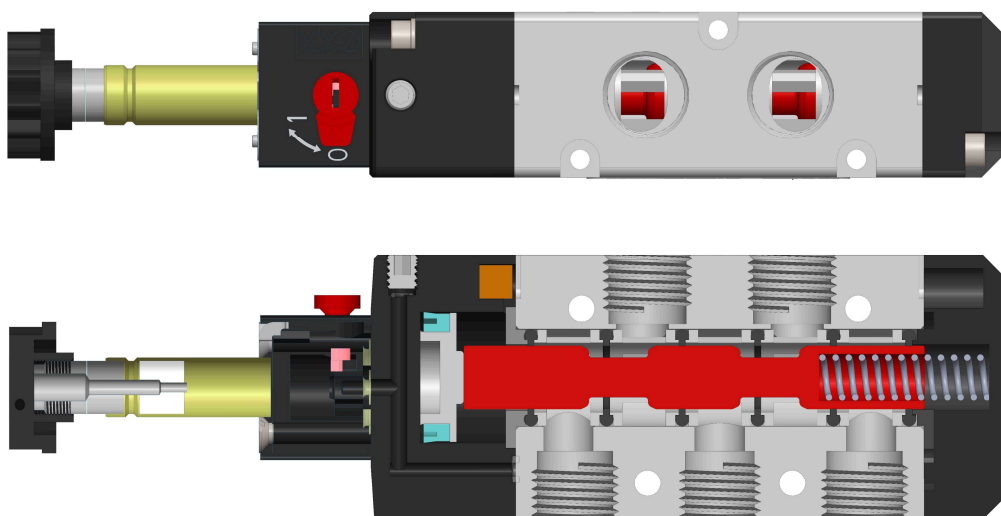
DRAWING

(5/2 spring return) (external pilot)



SOLID IMAGE

(5/2 single solenoid)



ACCESSORIES & SPARE PARTS

COILS & SOCKETS
(page 16)6 * spool o-ring
1 * valve piston gasketO- RING KIT
Cod. SMV14019 mm BRASS
TUBE & NUCLEUS
Cod. SMV1802MAXI POPPET VALVE
Cod. SMV3218TBP3MNKBASES &
BLANKING PLATE
(page 17)

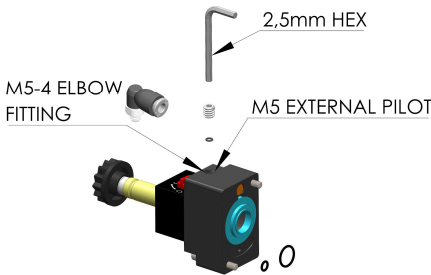
5/2 – 1/4" DOUBLE SOLENOID (bistable / external pilot)



- ❑ Flow rate is 1000 NI / min. at 6 bar
- ❑ External pilot is available for all the solenoid serie with M5 thread
- ❑ Pneumatic connection ports 1.2.3.4.5 .. 1/4"
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 black anodized
- ❑ Min. working pressure is 1 bar
- ❑ 4 cycle / sec. reachable max. life time with suitable Ø dia. and stroke

For external pilot application,

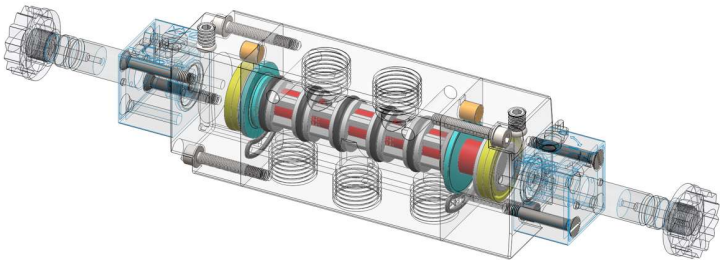
- 1) Unscrew the setskur
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the special shaped o-ring by closing the air pilot supply
- 6) Assemble the valve head



ORDERING CODES for a VALVE

5/2 – 1/4" BISTABLE : SME5214CB00M00

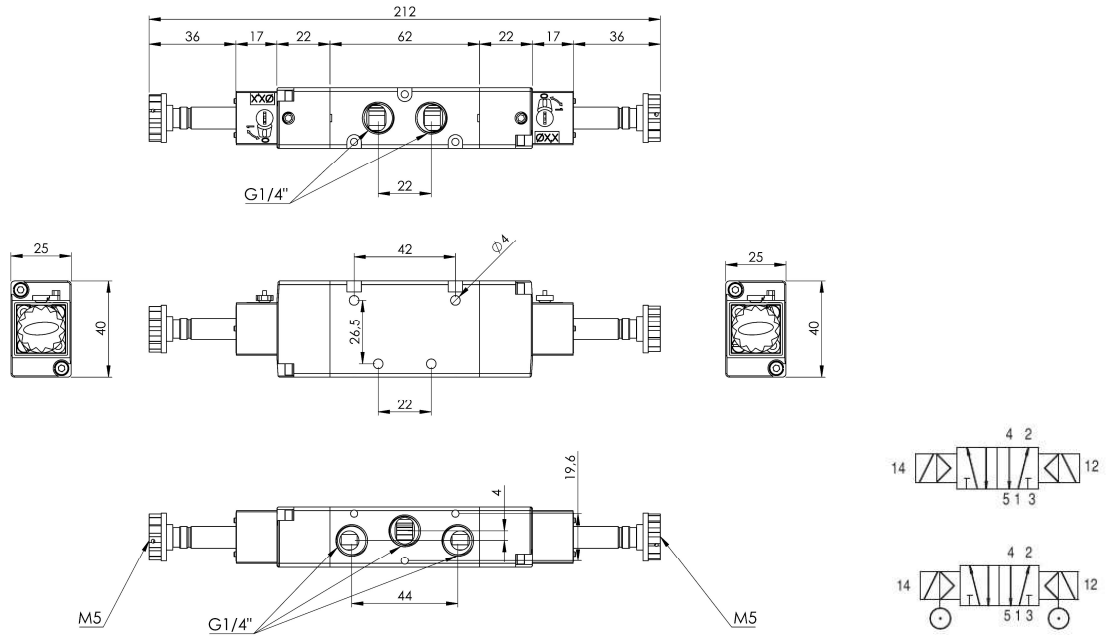
INTERNAL VIEW



Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.1 bar max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/2 - 1/4" bistable double solenoid
Materials	
Covers	: Front cover al. 2011 black colored anodized
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Nominal Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 1.000 NI/ min. at 6 bar Δp 1 bar
Life time	: 3 cycle / sec. with suitable cylinder / 50 mio cycle life time under proper condition
Customization	: Please look at page 32

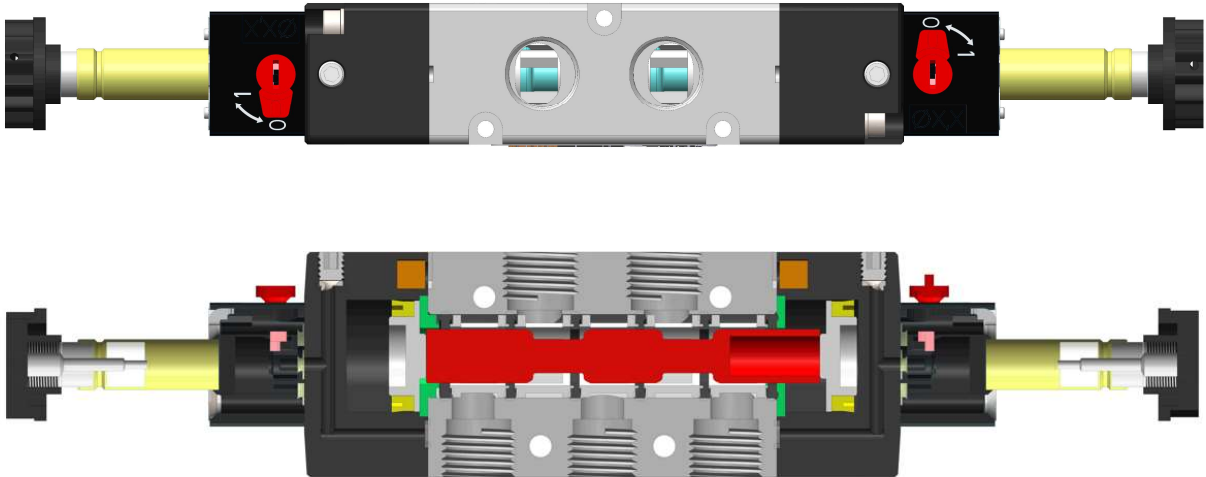
DRAWING

(5/2 bistable) (external pilot)



SOLID IMAGE

(5/2 bistable solenoid)



ACCESSORIES & SPARE PARTS

COILS & SOCKETS
(page 16)O- RING KIT
Cod. SMV1401B9 mm BRASS
TUBE & NUCLEUS
Cod. SMV18029 mm BRASS
TUBE & NUCLEUS
Cod. SMV3218TBP3MNKBASES &
BLANKING PLATE
(page 17)

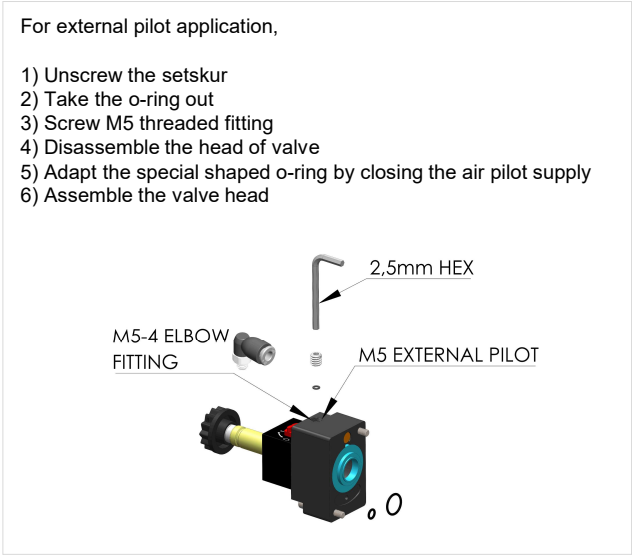
5/3 – 1/4" DOUBLE SOLENOID (open center / external pilot)



- ❑ Flow rate is 750 NI / min. at 6 bar
- ❑ External pilot is available for all the solenoid serie with M5 thread
- ❑ Pneumatic connection ports 1.2.3.4.5 .. 1/4"
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 black anodized
- ❑ Min. working pressure is 3 bar
- ❑ 2 cycle / sec. reachable max. life time with suitabel Ø dia. and stroke
- ❑ Suitable for vacuum and low pressure application with external pilot

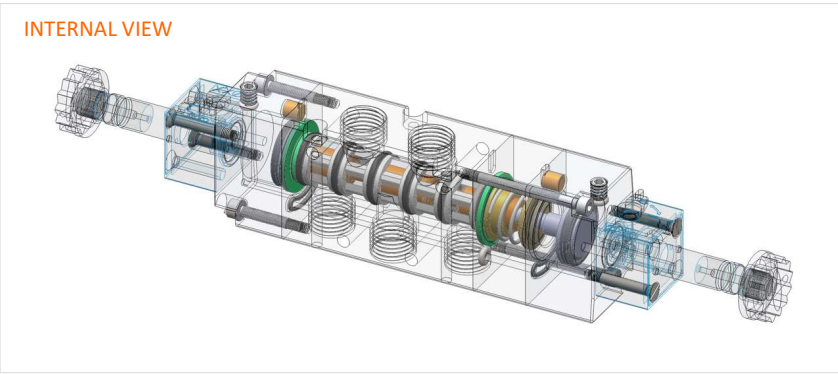
For external pilot application,

- 1) Unscrew the setskur
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the special shaped o-ring by closing the air pilot supply
- 6) Assemble the valve head



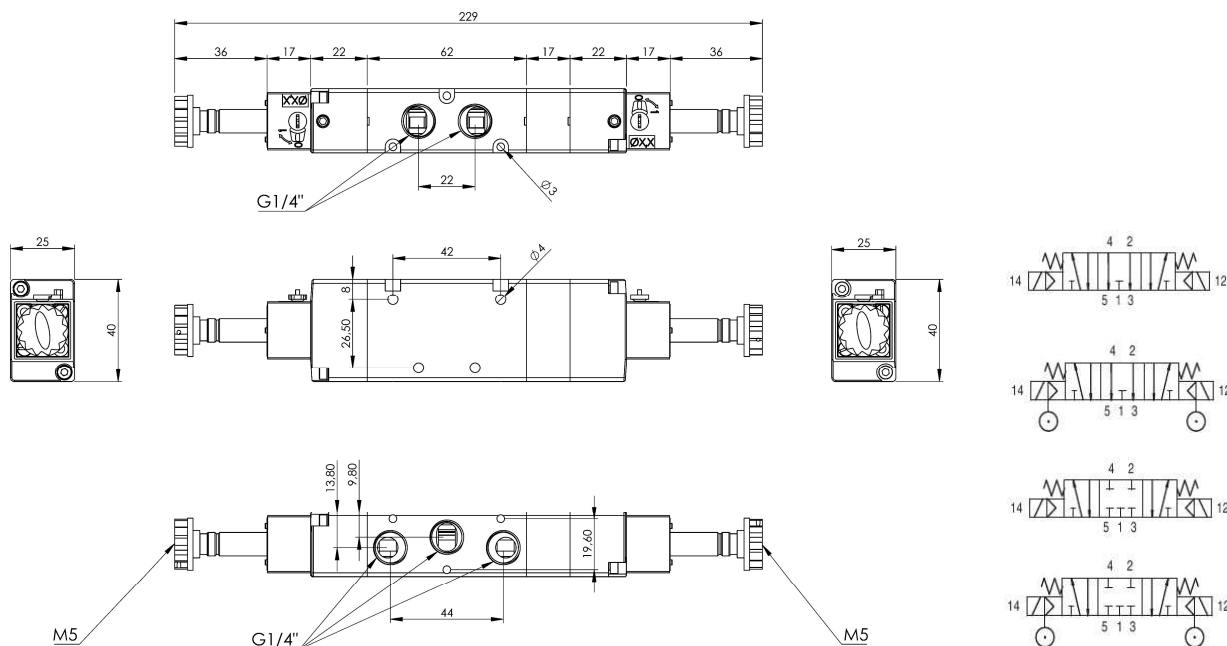
ORDERING CODES for a VALVE

5/3 – 1/4" DOUBLE SOLENOID	C.C	:	SME5314CB00MKM
5/3 – 1/4" DOUBLE SOLENOID	C.C. external pilot	:	SME5314CBDPMKM
5/3 – 1/4" DOUBLE SOLENOID	O.C.	:	SME5314CB00MAM
5/3 – 1/4" DOUBLE SOLENOID	O.C. external pilot	:	SME5314CBDPMAM



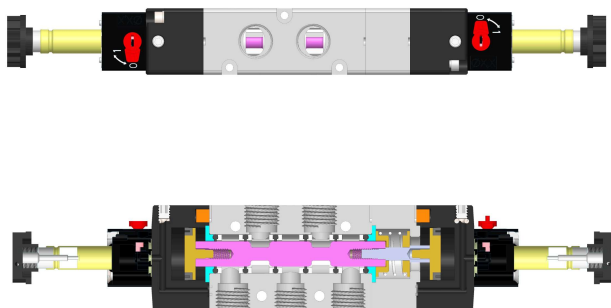
Fluid	:	Compressed filtered air with or without lubrication
		If lubrication used at ones must be continious .
Pressure range	:	min. 3 bar - max. 10 bar
Temperature range	:	- 10 ° C / + 60 ° C
Version	:	5/3 - 1/4" double solenoid / closed center / open center / external pilot
Materials		
Covers	:	Front cover al. 2011 black colored anodized
spool	:	Al. 6000 anodized 0,4 µm
Seals	:	NBR
Body	:	Natural anodized aluminium al. 2011
Orifice	:	7 mm
Mounting	:	In any position
Flow rate	:	750 NI/ min at 6 bar
Cycle per min.	:	120 cycle / min (from port 2 or port 4 to neutral position)
Vacuum	:	Suitable with external pilot version

DRAWING 5/3 (closed center) (open center)



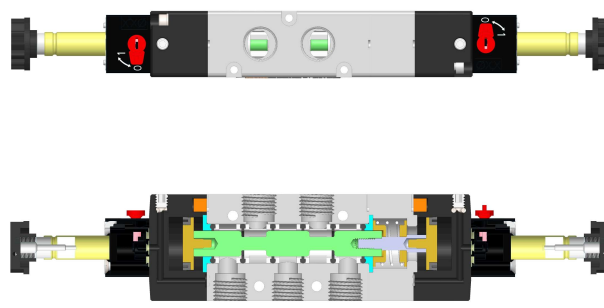
SOLID IMAGE

(5/3 closed center)



SOLID IMAGE

(5/3 open center)



ACCESSORIES & SPARE PARTS

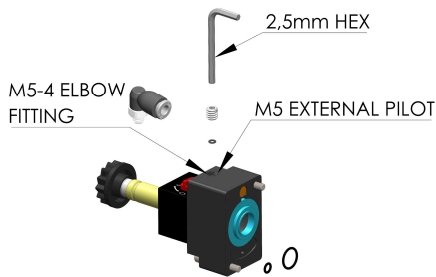
COILS & SOCKETS
(page 16)6 * spool o-ring
2 * valve piston gasketO- RING KIT
Cod. SMV1401B9 mm BRASS
TUBE & NUCLEUS
Cod. SMV1802MAXI POPPET VALVE
Cod. SMV3218TBP3MNKBASES &
BLANKING PLATE
(page 17)

3/2 – 1/4" DOUBLE SOLENOID (n.c. + n.o.)



For external pilot application,

- 1) Unscrew the setskur
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the special shaped o-ring by closing the air pilot supply
- 6) Assemble the valve head

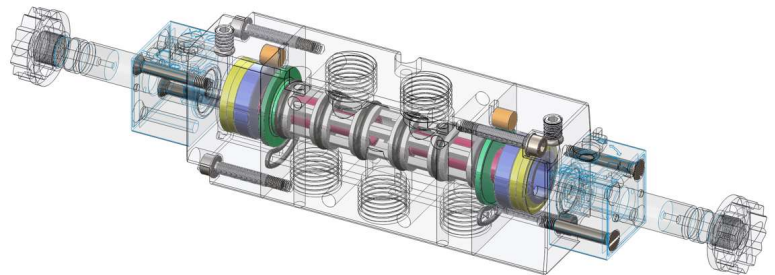


- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ 2 * 3/2 n.c. / 2 * 3/2 n.o. / 3/2 n.c. + 3/2 n.o.
- ❑ Pneumatic connection ports 1.2.3.4.5 .. 1/4"
- ❑ Body Al. 2011 grey anodized
- ❑ Front cover Al. 2011 black anodized
- ❑ Min. working pressure is 1,5 bar
- ❑ 3 cycle / sec. reachable max. life time under proper condition of actuator
- ❑ NOT suitable for vacuum and external pilot application

ORDERING CODES for a VALVE

2 * 3/2 – 1/4" DOUBLE SOLENOID 2 * n.c.	: SME3214CB02MNK
2 * 3/2 – 1/4" DOUBLE SOLENOID 2 * n.o.	: SME3214CB02MNA
2 * 3/2 – 1/4" DOUBLE SOLENOID n.c. + n.o.	: SME3214CB02MKA

INTERNAL VIEW (2 * 3/2 N.C.)



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continuous .

Pressure range : min.1,5 bar max. 10 bar

Temperature range : - 10 ° C / + 60 ° C

Version : 2 * 3/2 - 1/4" double solenoid air pilot return

Materials

Covers : Covers al. 2011 grey colored anodized

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

Nominal Orifice : 7 mm

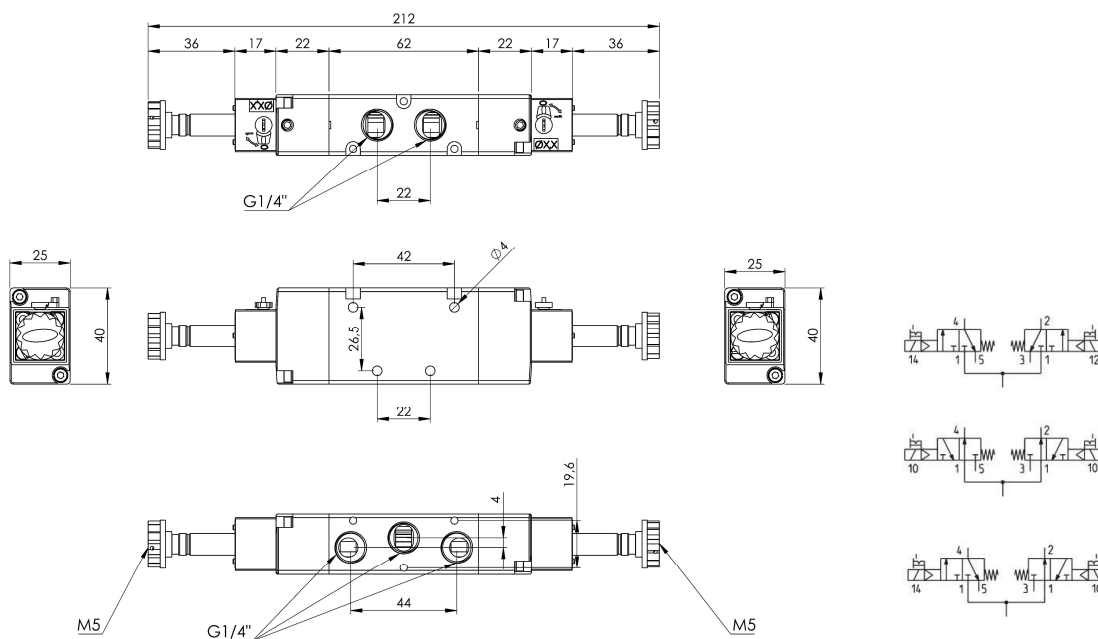
Mounting : In any position

Flow rate : 600 NI/ min. at 6 bar Δp 1 bar

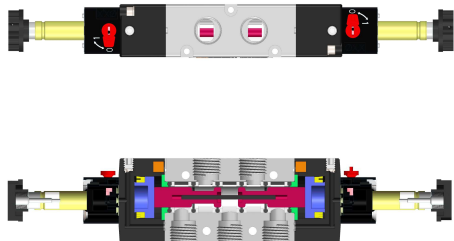
Life time : 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition

Vacuum : Not possible

DRAWING (2 * 3/2 N.C. / N.O. / N.C. + N.O.)

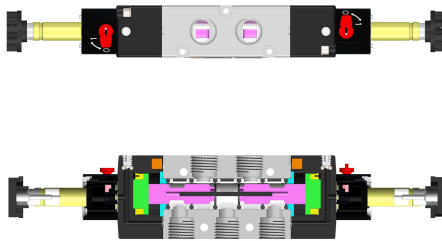


(2*3/2 N.C.)



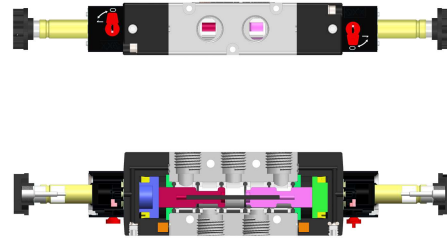
Ordering code : SME3214CB02MNK

(2*3/2 N.O.)



Ordering code : SME3214CB02MNA

(3/2 N.C + 3/2 N.O.)



Ordering code : SME3214CB02MKA

ACCESSORIES & SPARE PARTS

COILS & SOCKETS
(page 16)6 * spool o-ring
2 * valve piston gasketO- RING KIT
Cod. SMV1401B9 mm BRASS
TUBE & NUCLEUS
Cod. SMV1802MAXI POPPET VALVE
Cod. SMV3218TBP3MNKBASES &
BLANKING PLATE
(page 17)

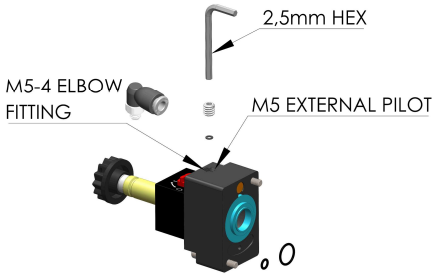
5/2 – NAMUR SINGLE SOLENOID



- ❑ Flow rate is 1000 NI / min. at 6 bar
- ❑ External pilot is available for all the solenoid serie with M5 thread
- ❑ Pneumatic connection ports 1.3.5 .. 1/4" 2.4. namur standart
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 black anodized
- ❑ Min. working pressure is 1,5 bar

For external pilot application,

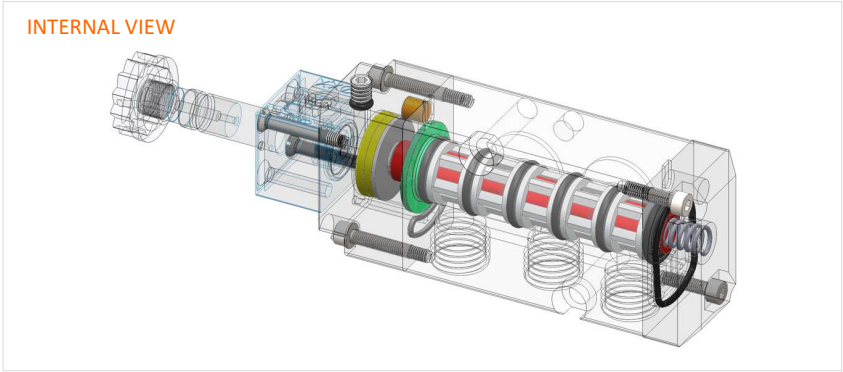
- 1) Unscrew the setskur
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the special shaped o-ring by closing the air pilot supply
- 6) Assemble the valve head



ORDERING CODES for a VALVE

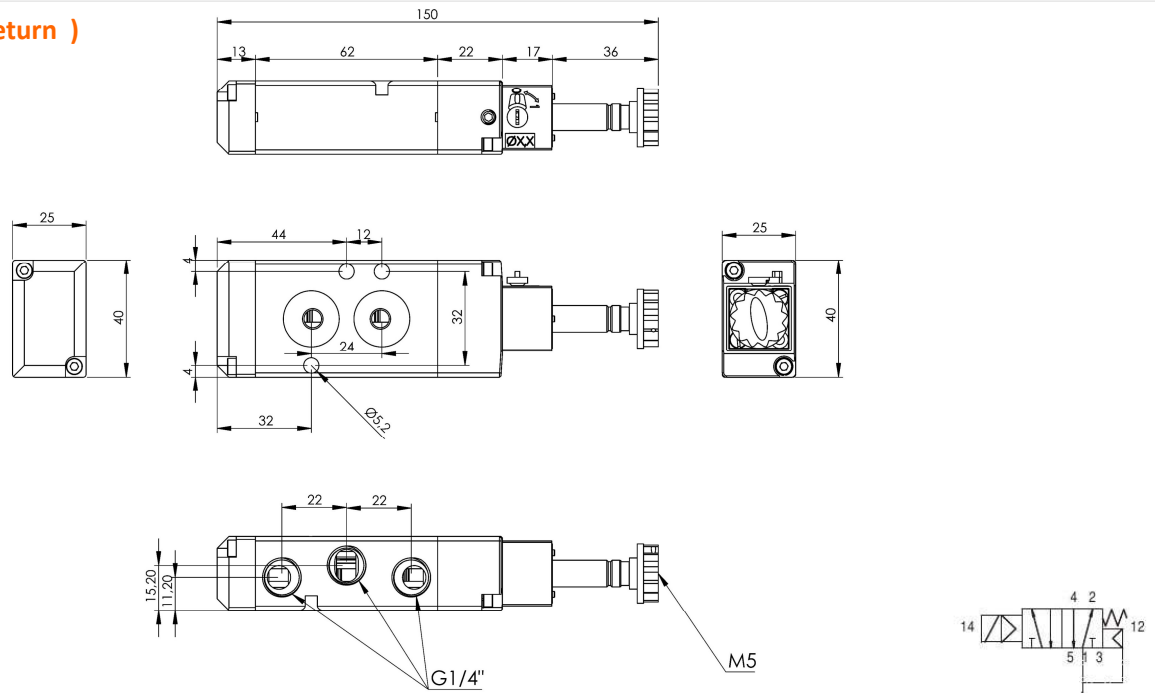
- 5/2 NAMUR SINGLE SOLENOID : SME52NATB00M00
5/2 NAMUR SINGLE SOLENOID EXTERNAL PILOT : SME52NATBDPM00

INTERNAL VIEW



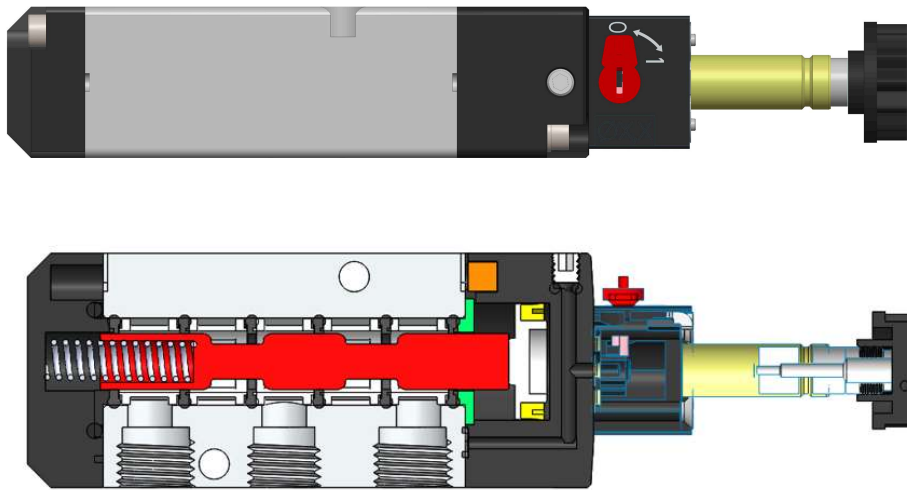
Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.1,5 bar - max. 10 bar spring return with internal air pilot
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/2 - NAMUR single solenoid
Materials	
Covers	: Front cover Al. 2011 black anodized / back cover Technopolimer
spool	: Al. 6000 serie 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 7 mm
Mounting	: Supplied with 2 o-ring and a screw suitable for namur standart
Flow rate	: 1.000 NI/ min at 6 bar
Cycle per min.	: Depends upon the actuator cycle
Exproof	: Suitable to SEMAKMATIC serie exproof coils

DRAWING (5/2 spring return)



SOLID IMAGE

(5/2 namur single solenoid)



ACCESSORIES & SPARE PARTS

COILS & SOCKETS
(page 16)6 * spool o-ring
1 * valve piston gasketO- RING KIT
Cod. SMV14019 mm BRASS
TUBE & NUCLEUS
Cod. SMV1802MAXI POPPET VALVE
Cod. SMV3218TBP3MNKBASES &
BLANKING PLATE
(page 17)

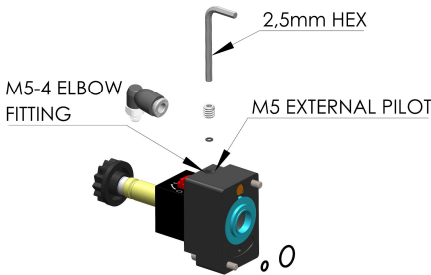
5/2 – NAMUR BISTABLE SOLENOID



- ❑ Flow rate is 1000 NI / min. at 6 bar
- ❑ External pilot is available for all the solenoid serie with M5 thread
- ❑ Pneumatic connection ports 1.3.5 .. ¼" 2.4. namur standart
- ❑ Body Al. 2011 natural anodized
- ❑ Front cover Al. 2011 black anodized
- ❑ Min. working pressure is 1 bar

For external pilot application,

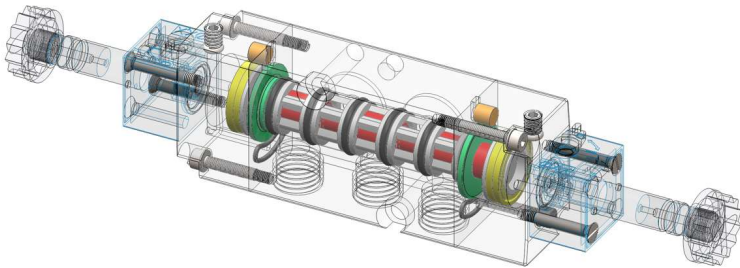
- 1) Unscrew the setskur
- 2) Take the o-ring out
- 3) Screw M5 threaded fitting
- 4) Disassemble the head of valve
- 5) Adapt the special shaped o-ring by closing the air pilot supply
- 6) Assemble the valve head



ORDERING CODES for a VALVE

5/2 BISTABLE DOUBLE SOLENOID : SME52NACB00M00

INTERNAL VIEW



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continious .

Pressure range : min.1 bar - max. 10 bar bistable double solenoid

Temperature range : - 10 ° C / + 60 ° C

Version : 5/2 – NAMUR double solenoid

Materials

Covers : Covers Al. 2011 grey anodized

spool : Al. 6000 serie 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

Orifice : 7 mm

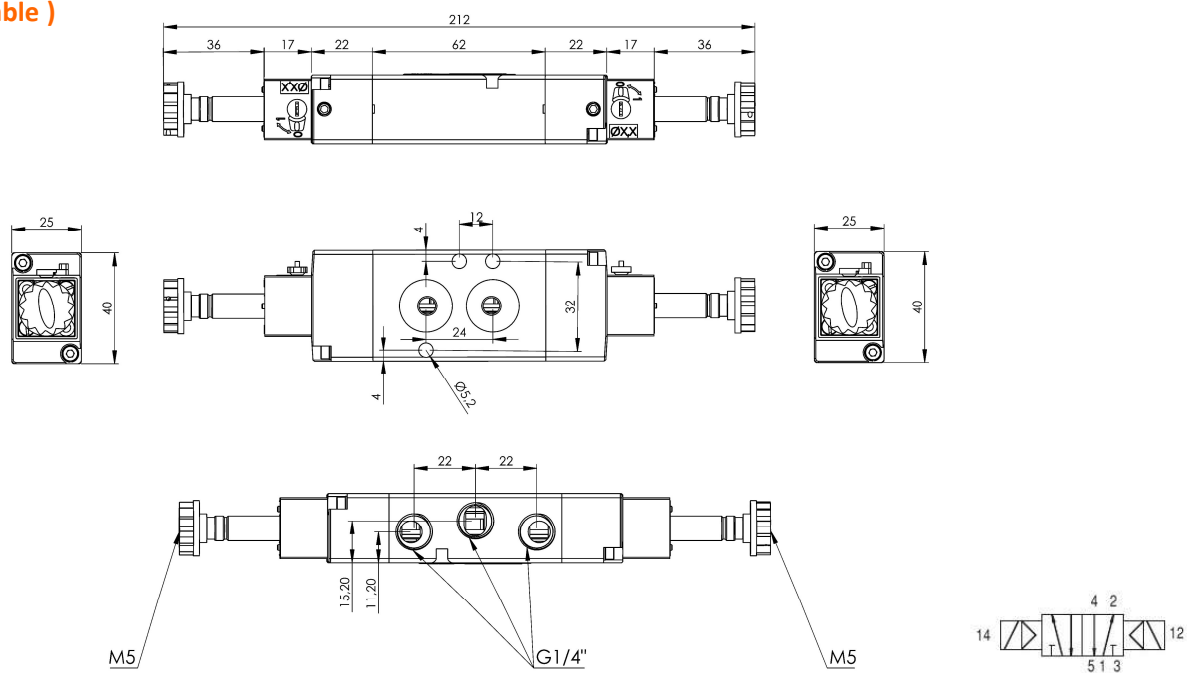
Mounting : Supplied with 2 o-ring and a screw suitable for namur standart

Flow rate : 1.000 NI/ min at 6 bar

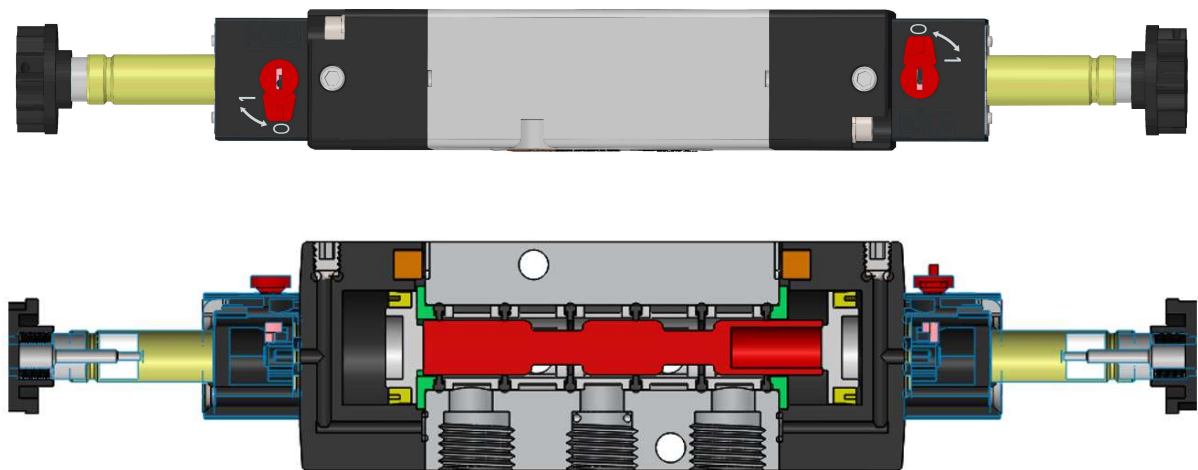
Cycle per min. : Depend upon the actuator cycle

Exproof : Suitable to SEMAKMATIC serie exproof coils

DRAWING (5/2 bistable)



SOLID IMAGE (5/2 namur bistable solenoid)



ACCESSORIES & SPARE PARTS



COILS & SOCKETS
(page 16)



O- RING KIT
Cod. SMV1401B



9 mm BRASS
TUBE & NUCLEUS
Cod. SMV1802

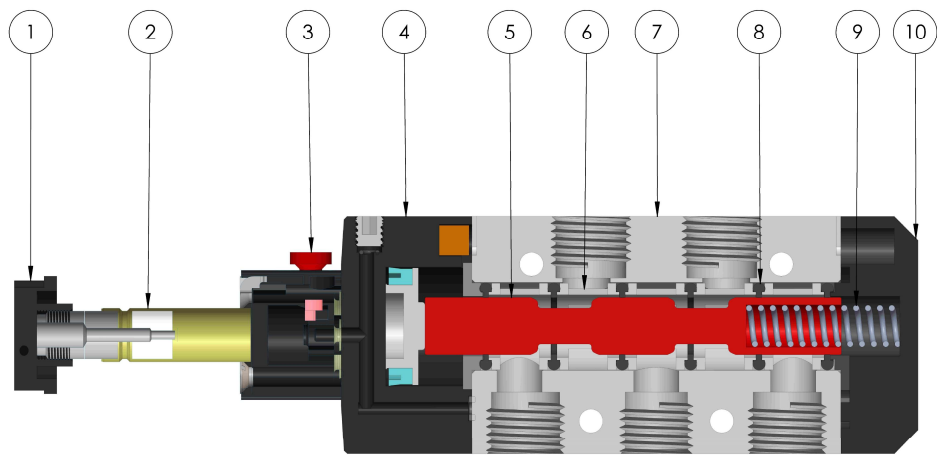


MAXI POPPET VALVE
Cod. SMV3218TBP3MNK



BASES &
BLANKING PLATE
(page 17)

INTERNAL PARTS OF SEMAKMATIC SERIE SOLENOID VALVE



1	NUT	PLASTIC MATERIAL
2	ARMATURE	BRASS – STAINLESS STEEL SPECIALLY
3	MANUAL OVERRIDE	PLASTIC MATERIAL
4	HEAD	AL 2011 BLACK COLORED ANODIZED
5	SPOOL	HARD ALUMINIUM ANODIZED
6	DISTANCERS	FORTRON 1140 L4
7	BODY	AL 2011 NATURAL ANODIZED
8	SEALS	HYDROGENATED NITRILE BUTADIENE RUBBER (HNBR)
9	SPRING	STAINLESS STEEL
10	BACK COVER	BACK COVER TECHNOPOLIMER

SPARE PARTS of THE 1/4" VALVES (O – RING kit)



4 * spool o-ring
1 * valve piston gasket

O- RING KIT
Cod. SME1401A



6 * spool o-ring
1 * valve piston gasket

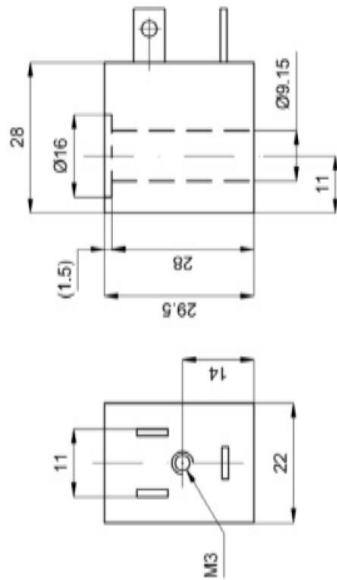
O- RING KIT
Cod. SME1401



6 * spool o-ring
2 * valve piston gasket

O- RING KIT
Cod. SME1401B

COILS

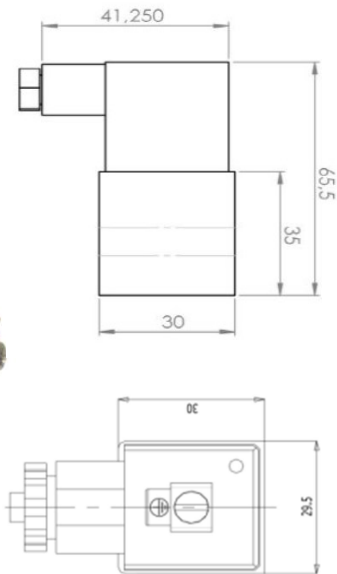


	For DC	For AC
Voltage tolerance	+ / - 10 %	+ / - 10 %
Electrical Consumption	3W	4.2 VA
Frequenzy	-	50 / 60 Hz.
Voltages	24	24 - 110 - 220
Duty cycle	% 100 ED	
Temperature range	- 15 °C / + 50 ° C	
Coil size	22 mm wide / suitable for 9 mm brass tube	
Terminal / Class	DIN 43650 B / F Class	

ORDERING CODES

SMB220900024DC	for 24 V DC
SMB220900024AC	for 24 V AC
SMB220900220AC	for 220 V AC
SMB220900110AC	for 110 V AC

EXPROOF COILS

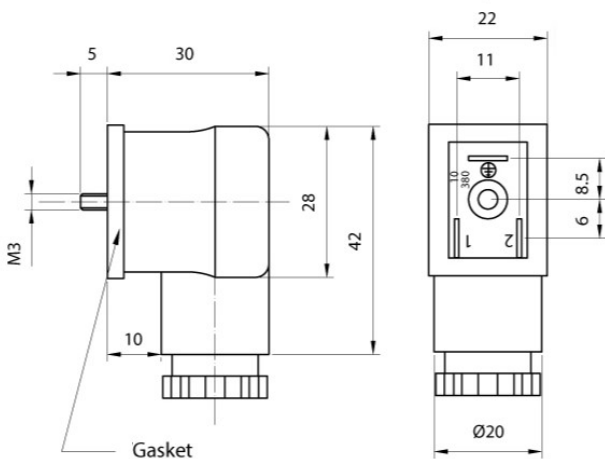


	For DC	For AC
Voltage tolerance	+ / - 10 %	
Electrical Consumption	3W	3.2 VA
Frequenzy	-	50 / 60 Hz.
Voltage	24	220
Duty cycle	% 100 ED	
Temperature range	- 15 °C / + 50 ° C	
Coil size	30 mm wide / suitable for 9 mm brass tube	
Conformity	94 / 9 / EC (group 2)	
Cable length	3 Meter	
Certificate	ATEX II2 GD Eexm II T5	

ORDERING CODES

SMB3009EX024DC	for 24 V DC
SMB3009EX022AC	for 220 V AC

SOCKETS



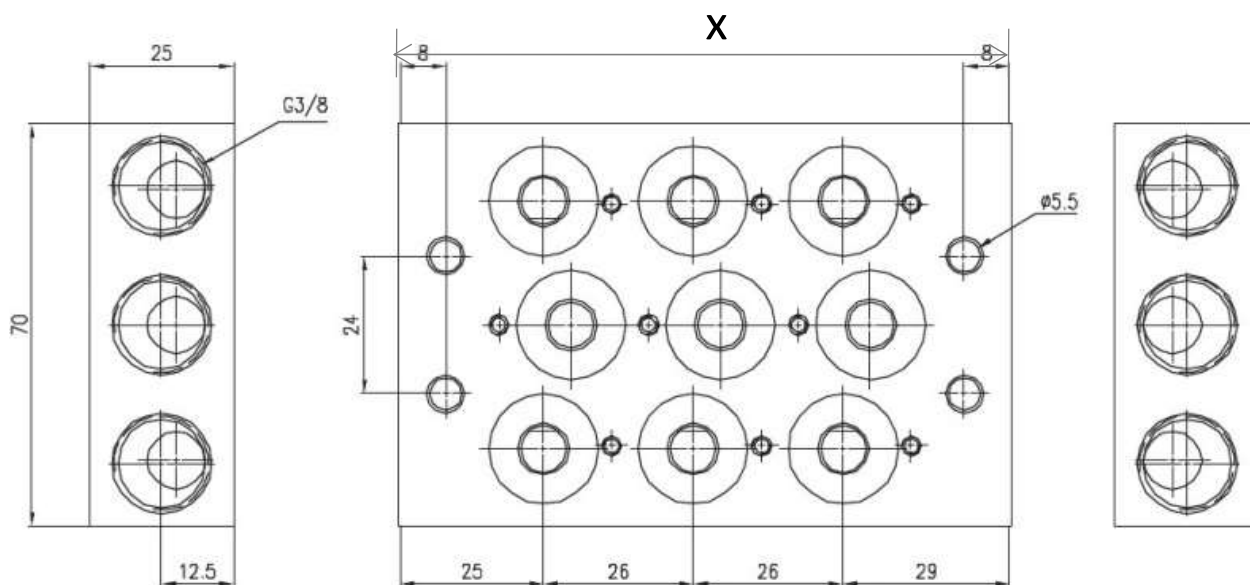
	Standart	24 v / 220 v ac
Color	Black	transparent
Led color	-	Red
Protection	-	only with 24 v
Temperature range	- 15 °C / + 50 ° C	
Socket size	22 mm wide	
Terminal	DIN 43650 B	

ORDERING CODES

SMBS22LED220AC	for 22 mm 220 v ac led
SMBS22LED24V00	for 22 mm 24 v ac dc led
SMBS2200000000	for 22 mm standart socket

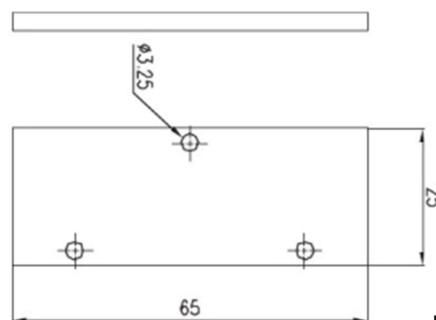
ORDERING CODES for BASES & PLANKING PLATE

2 POSITION SMV BASE	:	SMVPL140000002
3 POSITION SMV BASE	:	SMVPL140000003
4 POSITION SMV BASE	:	SMVPL140000004
5 POSITION SMV BASE	:	SMVPL140000005
6 POSITION SMV BASE	:	SMVPL140000006
7 POSITION SMV BASE	:	SMVPL140000007
8 POSITION SMV BASE	:	SMVPL140000008
9 POSITION SMV BASE	:	SMVPL140000009
10 POSITION SMV BASE	:	SMVPL140000010
12 POSITION SMV BASE	:	SMVPL140000012



X									
POS. 2	POS. 3.	POS. 4.	POS. 5.	POS. 6.	POS. 7.	POS. 8.	POS. 9.	POS. 10.	POS. 12.
80 mm	106 mm	132 mm	158 mm	184 mm	210 mm	236 mm	262 mm	288 mm	340 mm

BLANKING PLATE



Ordering code :
SMEPL1400KP000

DRAWING

3/2 – 1/4" PILOT / SPRING RETURN



- ☐ Flow rate is 1000 NI / min. at 6 bar
- ☐ Maximum working pressure is 10 bar
- ☐ Aluminium body
- ☐ Minimum working pressure is 1,5 bar
- ☐ Spool with spring return air pilot supported
- ☐ Suitable for non oily applications

ORDERING CODE for a VALVE

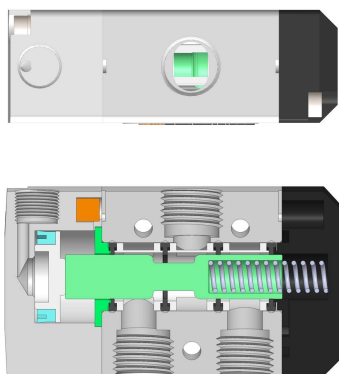
3/2 – 1/4" PILOT / SPRING (N.C.)

: SME3214HY00MNK

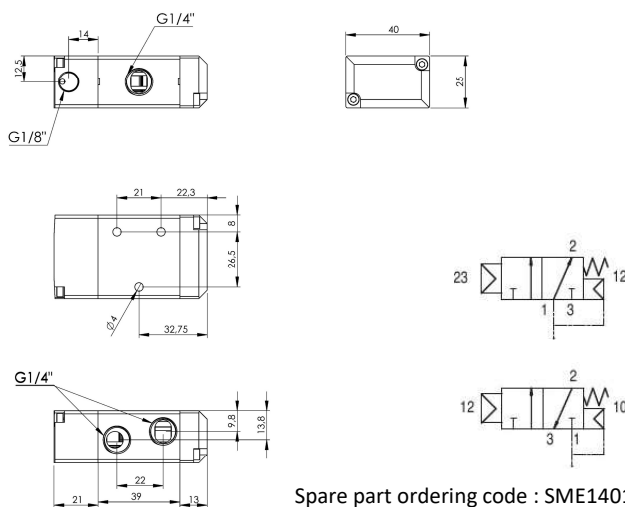
3/2 – 1/4" PILOT / SPRING (N.O.)

: SME3214HY00MNA

3/2 pilot valves n.c. / n.o. Internal view



DIMENSIONS



Spare part ordering code : SME1401A

Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continuous .

Pressure range : min.1,5 bar - max. 10 bar

Temperature range : - 10 ° C / + 60 ° C

Version : 3/2 - 1/4" PILOT / SPRING N.C. or N.O.

Materials

Covers : Front cover al. 2011 natural colored anodized back cover technopolimer

spool : AL. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

Orifice : 7 mm

Mounting : In any position

Flow rate : 1.000 NI/ min at 6 bar

Cycle per min. : 180 cycle / min (depends upon the signal inlet and outlet)

Vacuum : Suitable

5/2 – 1/4" PILOT / SPRING

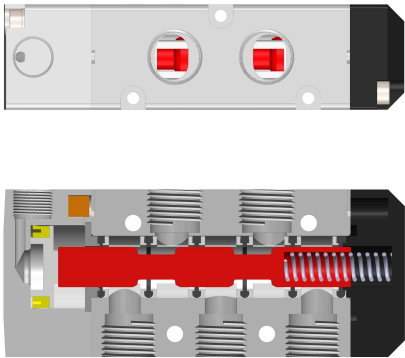


- ❑ Flow rate is 1000 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body
- ❑ Minimum working pressure is 1,5 bar
- ❑ Spool with spring return air pilot supported
- ❑ Suitable for non oily applications

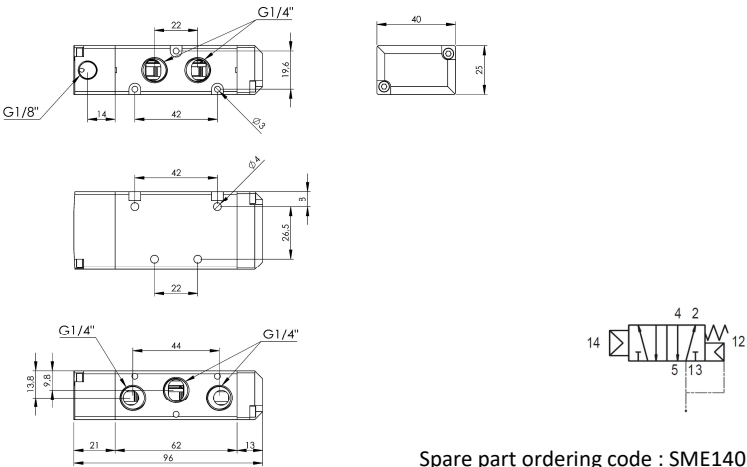
ORDERING CODE for a VALVE

5/2 – 1/4" PILOT / SPRING : SME5214HY00M00

5/2 pilot valves n.c. / n.o. Internal view



DIMENSIONS



Spare part ordering code : SME1401

Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.1,5 bar - max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/2 - 1/4" PILOT / SPRING
Materials	
Covers	: Front cover al. 2011 natural colored anodized back cover technopolimer
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 1.000 NI/ min at 6 bar
Cycle per min.	: 180 cycle / min (depends upon the signal inlet and outlet)
Vacuum	: Suitable

5/2 – 1/4" PILOT / PILOT



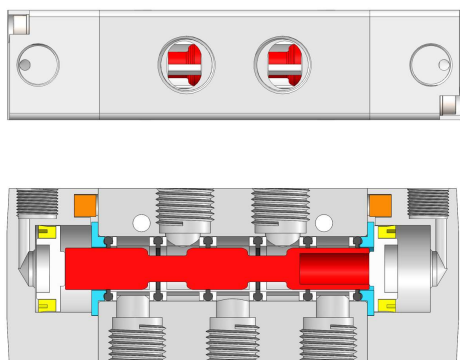
- ☐ Flow rate is 1000 NI / min. at 6 bar
- ☐ Maximum working pressure is 10 bar
- ☐ Aluminium body
- ☐ Minimum working pressure is 1 bar
- ☐ Spool with spring return air pilot supported
- ☐ Suitable for non oily applications

ORDERING CODE for a VALVE

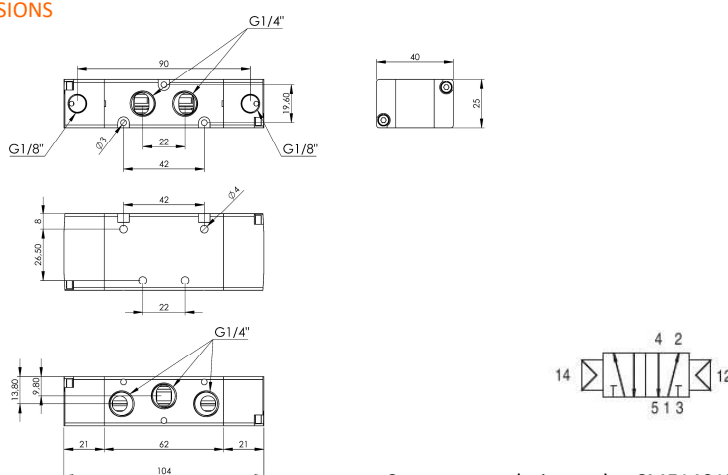
5/2 – 1/4" PILOT / PILOT

: SME5214HH00M00

5/2 DOUBLE PILOT / BISTABLE



DIMENSIONS



Spare part ordering code : SME1401B

Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continuous .

Pressure range : min.1 bar - max. 10 bar

Temperature range : - 10 ° C / + 60 ° C

Version : 5/2 - 1/4" PILOT / PILOT

Materials

Covers : Front cover al. 2011 natural colored anodized

spool : Al. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural Anodized aluminium al. 2011

Orifice : 7 mm

Mounting : In any position

Flow rate : 1.000 NI/ min at 6 bar

Cycle per min. : 190 cycle / min (depends upon the signal inlet and outlet)

Vacuum : Suitable

5/3 – 1/4" DOUBLE PILOT C.C.



- ❑ Flow rate is 750 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body
- ❑ Minimum working pressure is 3 bar
- ❑ Spool with spring return
- ❑ Suitable for non oily applications
- ❑ Suitable for low pressure and vacuum operation

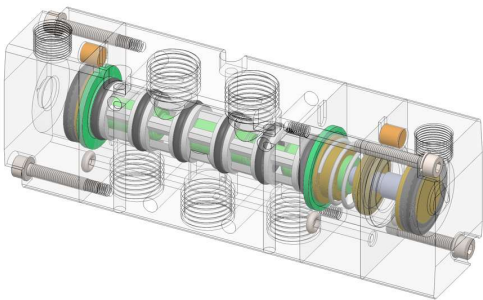
ORDERING CODE for a VALVE

5/3 – 1/4" DOUBLE PILOT C.C. : SME5314HH00MKM
5/3 – 1/4" DOUBLE PILOT O.C. : SME5314HH00MAM

5/3 – 1/4" DOUBLE PILOT O.C

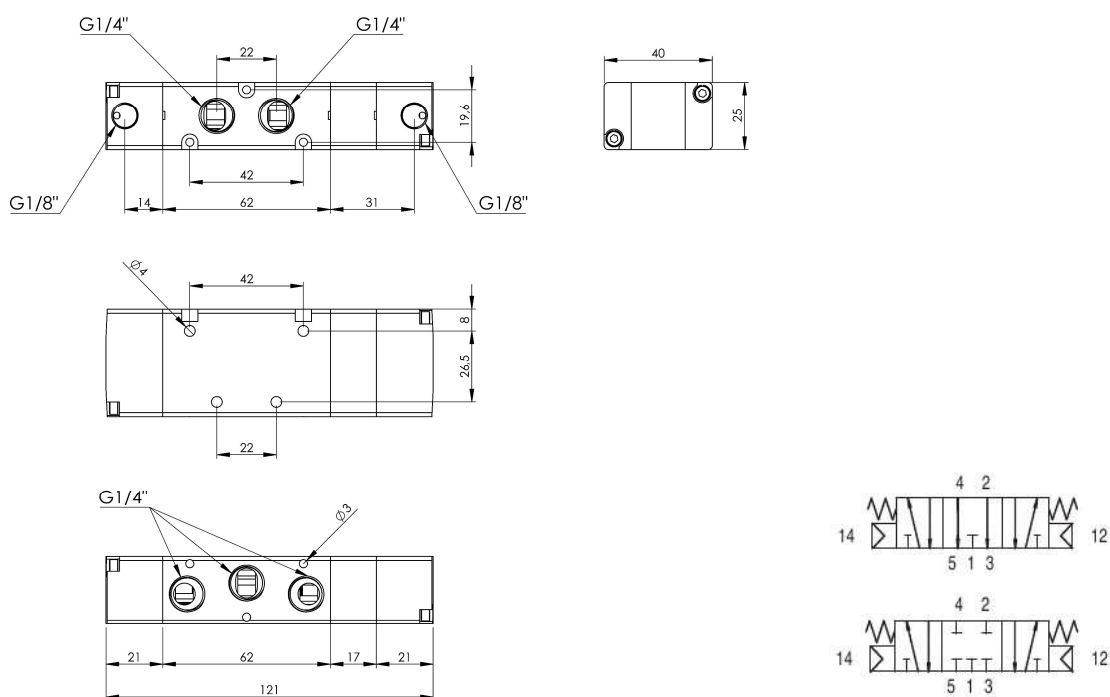


INTERNAL VIEW (5/3 – O.C. AIR PILOT)



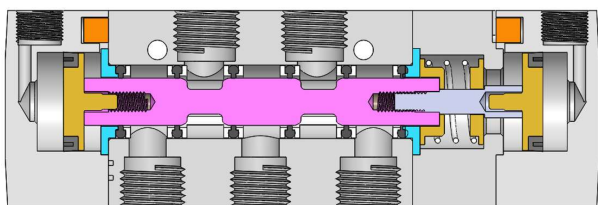
Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min. 3 bar - max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/3 - 1/4" DOUBLE PILOT C.C. / O.C.
Materials	
Covers	: Front cover al. 2011 natural colored anodized
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Anodized aluminium
Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 750 NI/ min at 6 bar
Cycle per min.	: 120 cycle / min (from port 2 or port 4 to neutral position)
Vacuum	: Suitable

DRAWING

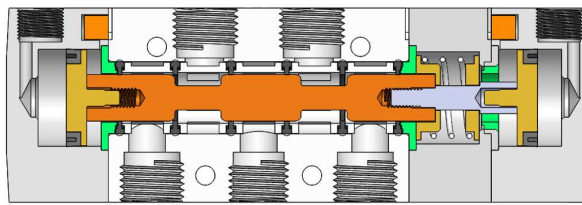


SOLID IMAGE

5/3 double pilot closed center



5/3 double pilot open center



ACCESSORIES & SPARE PARTS



6 * spool o-ring
2 * valve piston gasket

O- RING KIT
Cod. SMV1401B



BASES &
BLANKING PLATE
(page 17)

3/2 – 1/4" AIR PILOT VALVE (2 * N.C.)



- ❑ Flow rate is 600 NI / min. at 6 bar
- ❑ 2 * 3/2 n.c. / 2 * 3/2 n.o. / 3/2 n.c. + 3/2 n.o.
- ❑ Pneumatic air connection ports 1.2.3.4.5 .. 1/4"
- ❑ Body Al. 2011 grey anodized
- ❑ Covers Al. 2011 grey color anodized
- ❑ Min. working pressure is 1,5 bar
- ❑ 3 cycle / sec. reachable max. life time under proper condition
- ❑ Not Suitable for vacuum and low pressure application

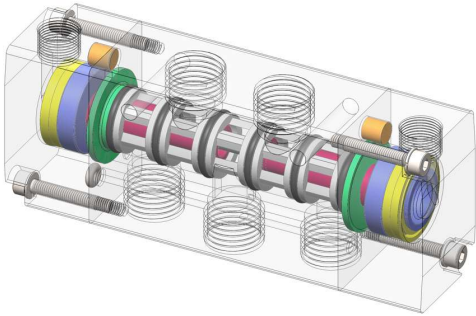
3/2 – 1/4" AIR PILOT VALVE (2 * N.O.)



ORDERING CODES for a VALVE

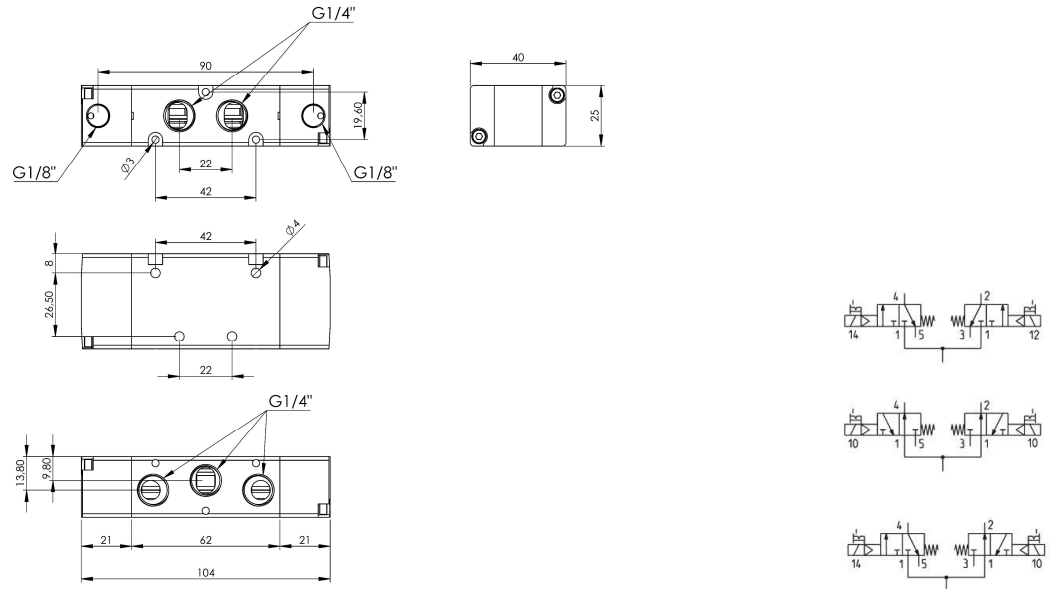
- | | |
|--|------------------|
| 2 * 3/2 – 1/4" DOUBLE SOLENOID 2 * n.c. | : SME3214HH02MNK |
| 2 * 3/2 – 1/4" DOUBLE SOLENOID 2 * n.o. | : SME3214HH02MNA |
| 2 * 3/2 – 1/4" DOUBLE SOLENOID n.c. + n.o. | : SME3214HH02MKA |

INTERNAL VIEW 2 * 3/2 N.C.

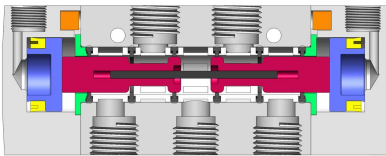


Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: min.1,5 bar max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 2 * 3/2 - 1/4" air pilot valve with pneumatic air return
Materials	
Covers	: Covers al. 2011 grey colored anodized
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Nominal Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 600 NI/ min. at 6 bar Δp 1 bar
Life time	: 3 cycle / sec. with suitable cylinder / 50.000 cycle life time under proper condition
Air supply port	: Only port number 1

DRAWING (2 * 3/2 N.C. / N.O. / N.C. + N.O.)

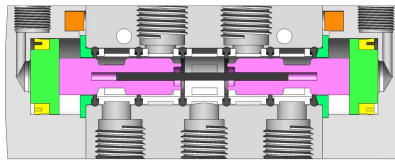


(2*3/2 N.C.)



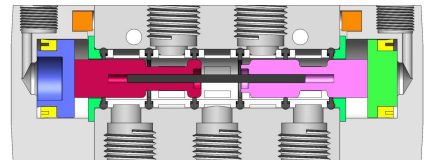
Ordering code : SME3214CB02MNK

(2*3/2 N.O.)



Ordering code : SME3214CB02MNA

(3/2 N.C + 3/2 N.O.)



Ordering code : SME3214CB02MKA

ACCESSORIES & SPARE PARTS

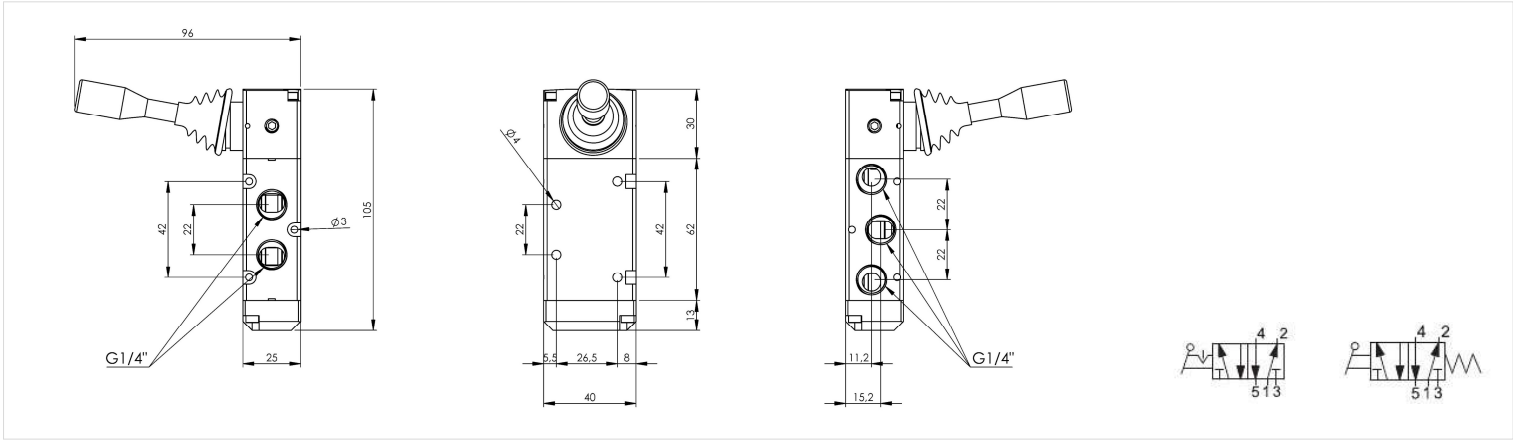
6 * spool o-ring
2 * valve piston gasketO- RING KIT
Cod. SME1401BBASES &
BLANKING PLATE
(page 17)



- ❑ Flow rate is 1000 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body
- ❑ Suitable for vacuum
- ❑ Durable hand stick
- ❑ Suitable for non oily applications

ORDERING CODES for a VALVE

5/2 – 1/4" HAND OPERATED SPRING RETURN : SME5214KKKYM00
5/2 – 1/4" HAND OPERATED DETENDET : SME5214KK00M00



Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/2 - 1/4" HAND OPERATED SPRING RETURN / DETENDET
Materials	
Covers	: Front cover al. 2011 natural colored anodized back cover technopolimer
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 1.000 NI/ min at 6 bar
Tightening of hand stick	: Adjustable
Vacuum	: Suitable

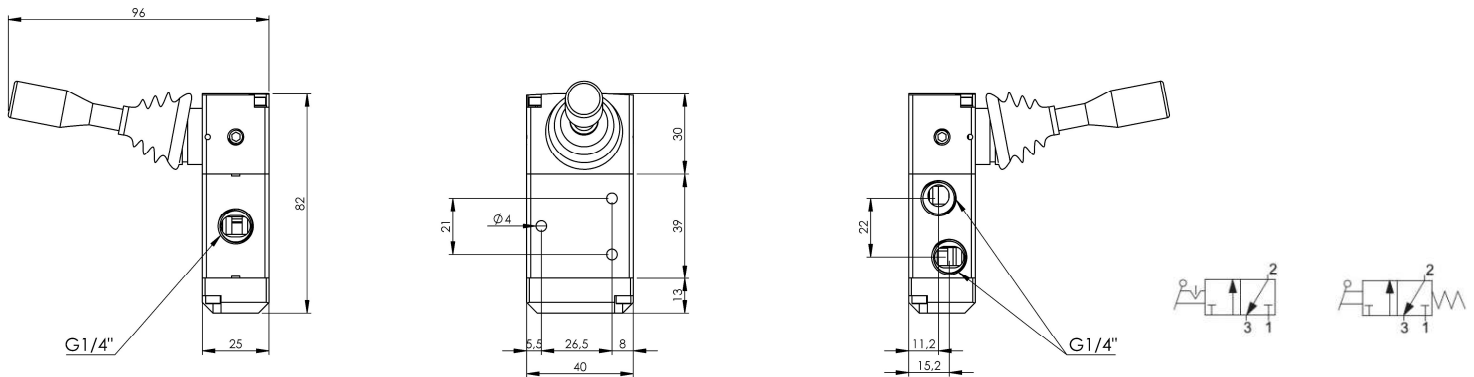
3/2 – 1/4" HAND OPERATED SPRING RETURN / DETENDET



- ☐ Flow rate is 1000 NI / min. at 6 bar
- ☐ Maximum working pressure is 10 bar
- ☐ Aluminium body
- ☐ Suitable for vacuum
- ☐ Durable hand stick
- ☐ Suitable for non oily applications

ORDERING CODES for a VALVE

3/2 – 1/4" HAND OPERATED SPRING RETURN (N.C.)	: SME3214KKKYMNK
3/2 – 1/4" HAND OPERATED DETENDET (N.C.)	: SME3214KK00MNK
3/2 – 1/4" HAND OPERATED SPRING RETURN (N.O.)	: SME3214KKKYMNA
3/2 – 1/4" HAND OPERATED DETENDET (N.O.)	: SME3214KK00MNA



Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continious .

Pressure range : max. 10 bar

Temperature range : - 10 ° C / + 60 ° C

Version : 3/2 - 1/4" HAND OPERATED SPRING RETURN / DETENDET

Materials

Covers : Front cover al. 2011 natural colored anodized back cover technopolimer

spool : AL. 6000 anodized 0,4 µm

Seals : NBR

Body : Natural anodized aluminium al. 2011

Orifice : 7 mm

Mounting : In any position

Flow rate : 1.000 NI/ min at 6 bar

Tightening of hand stick : Adjustable

Vacuum : Suitable

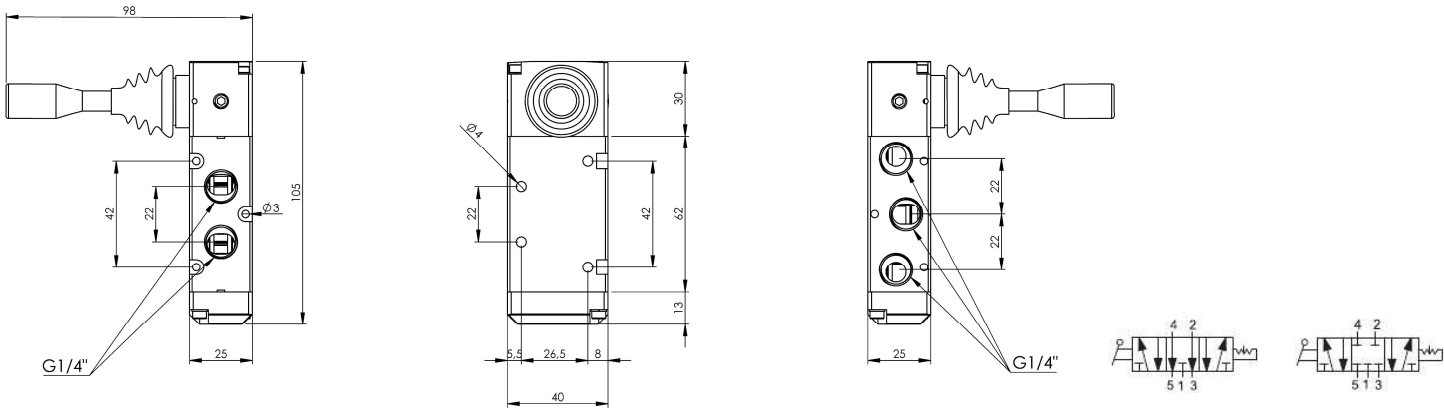
5/3 – 1/4" HAND OPERATED DETENDET C.C / O.C.



- ❑ Flow rate is 750 NI / min. at 6 bar
- ❑ Maximum working pressure is 10 bar
- ❑ Aluminium body
- ❑ Durable hand stick
- ❑ Can be used for vacuum
- ❑ Suitable for non oily applications

ORDERING CODES for a VALVE

5/3 – 1/4" HAND OPERATED DETENDET C.C. : SME5314KK00MKM
5/3 – 1/4" HAND OPERATED DETENDET O.C. : SME5314KK00MAM



Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/3 - 1/4" HAND OPERATED DETENDET C.C. / O.C.
Materials	
Cover	: Front cover al. 2011 natural colored back cover al. 2011 black colored anodized
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 750 NI/ min at 6 bar
Tightening of hand stick	: Adjustable
Vacuum	: Suitable

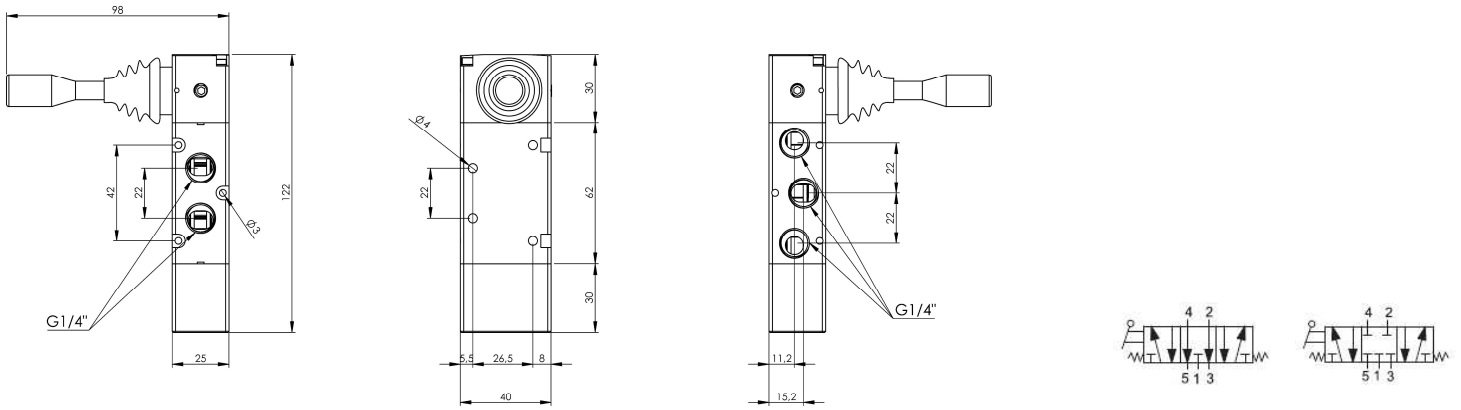
5/3 – 1/4" HAND OPERATED SPRING RETURN C.C / O.C.



- ☐ Flow rate is 750 NI / min. at 6 bar
- ☐ Maximum working pressure is 10 bar
- ☐ Aluminium body
- ☐ Durable hand stick
- ☐ Spool with spring return C.C. / O.C.
- ☐ Suitable for non oily applications

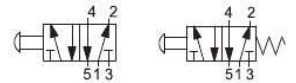
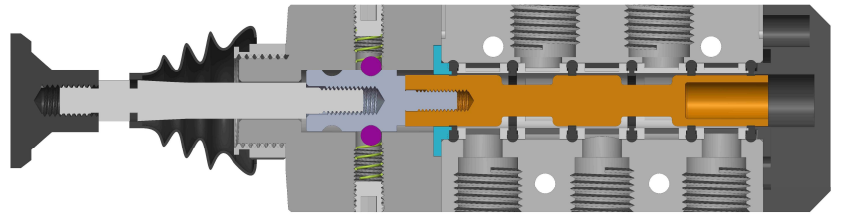
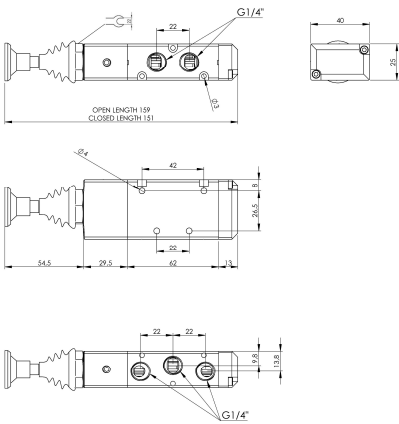
ORDERING CODES for a VALVE

5/3 – 1/4" HAND OPERATED SPRING RETURN C.C : SME5314KKKYMKM
 5/3 – 1/4" HAND OPERATED SPRING RETURN O.C : SME5314KKKYMAM



Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continuous .
Pressure range	: max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 5/3 - 1/4" HAND OPERATED SPRING RETURN C.C. / O.C.
Materials	
Covers	: Front cover al. 2011 natural colored back cover al. 2011 black colored anodized
spool	: Al. 6000 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011
Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 750 NI/ min at 6 bar
Tightening of hand stick	: Adjustable
Vacuum	: Suitable

- 5/2 – 1/4" DRAWER VALVE SPRING RETURN : SME5214IC01M00
5/2 – 1/4" DRAWER VALVE DETENDET : SME5214IC00M00



Fluid	:	Compressed filtered air with or without lubrication
		If lubrication used at ones must be continious .
Pressure range	:	max. 10 bar
Temperature range	:	- 10 ° C / + 60 ° C
Version	:	5/2 - 1/4" DRAWER VALVE spring return / detendet
Materials		
	Cover	: Front cover al. 2011 natural colored anodized back cover technopolimer
	spool	: Al. 6000 anodized 0,4 µm
	Seals	: NBR
	Body	: Natural anodized aluminium al. 2011
Orifice	:	7 mm
Mounting	:	In any position
Flow rate	:	1.000 NI/ min at 6 bar
Tightening of hand stick	:	Adjustible
Vacuum	:	Suitable

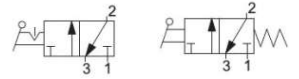
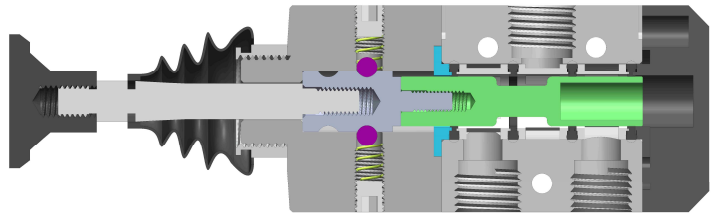
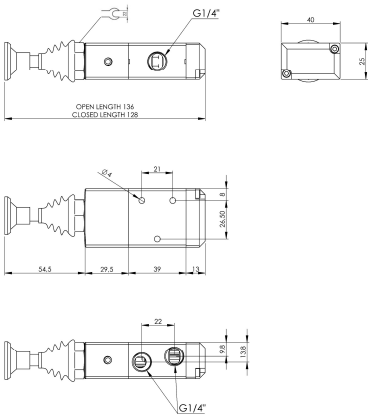
3/2 – 1/4" DRAWER VALVES spring return / detendet



- ☐ Flow rate is 1000 NI / min. at 6 bar
- ☐ Maximum working pressure is 10 bar
- ☐ Aluminium body
- ☐ Very durable hand stock
- ☐ Can be used for vacuum
- ☐ Suitable for non oily applications

ORDERING CODES for a VALVE

3/2 – 1/4" DRAWER VALVE	SPRING RETURN (N.C.)	: SME3214IC01MNK
3/2 – 1/4" DRAWER VALVE	DETENDET (N.C.)	: SME3214IC00MNK
3/2 – 1/4" DRAWER VALVE	SPRING RETURN (N.O.)	: SME3214IC01MNA
3/2 – 1/4" DRAWER VALVE	DETENDET (N.O.)	: SME3214IC00MNA



Fluid	: Compressed filtered air with or without lubrication
	If lubrication used at ones must be continious .
Pressure range	: max. 10 bar
Temperature range	: - 10 ° C / + 60 ° C
Version	: 3/2 - 1/4" DRAWER VALVE spring return / detendet

Materials

Cover	: Front cover al. 2011 natural colored anodized back cover technopolimer
spool	: Al. 600 anodized 0,4 µm
Seals	: NBR
Body	: Natural anodized aluminium al. 2011

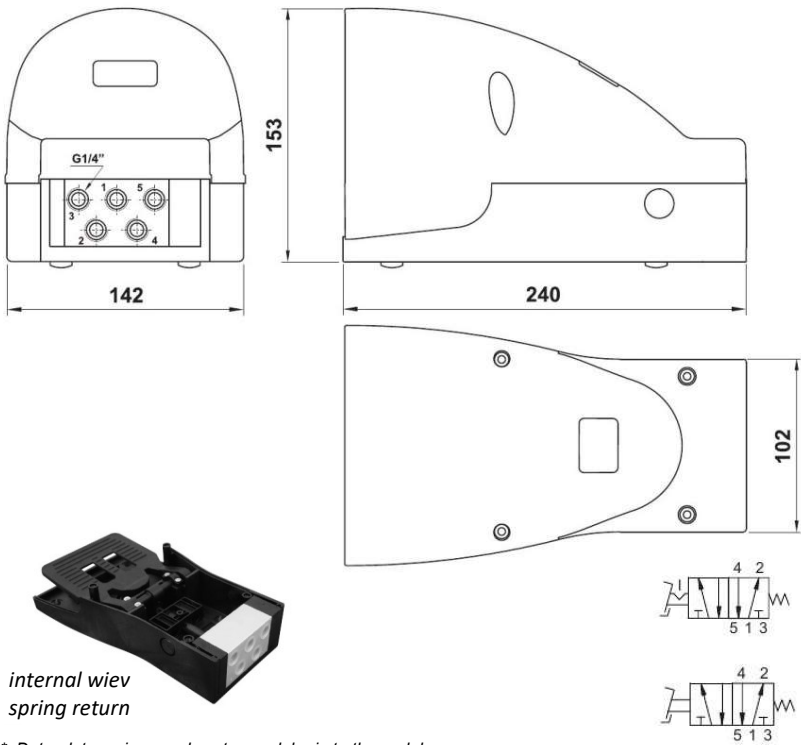
Orifice	: 7 mm
Mounting	: In any position
Flow rate	: 1.000 NI/ min at 6 bar
Tightening of hand stick	: Adjustable
Vacuum	: Suitable

5/2 – 1/4" DRAWER VALVES spring return / detendet



- * Flow rate is 700 NI / min. at 6 bar .
- * Max working pressure is 10 bar .
- * Aluminium valve
- * Technopolimer protection cover
- * Spring return OR detendet pedal
- * Suitable for non oily applications

DRAWINGS



* Detendet version needs extra module in to the pedal

ORDERING CODES for a VALVE

5/2 – 1/4" PEDAL VALVE SPRING RETURN	: SMV5214PV00T00
5/2 – 1/4" PEDAL VALVE DETENDET	: SMV5214PV01T00

Fluid : Compressed filtered air with or without lubrication

If lubrication used at ones must be continious .

Pressure range : max. 10 bar

Temperature range : - 10 ° C / + 50 ° C

Version : 5/2 - 1/4" PEDAL VALVE spring return / detendet

Materials

Cover	: Aluminium
spool	: aluminium anodized
Seals	: NBR
Body	: Aluminium

Orifice : 8 mm

Mounting : In any position

Flow rate : 700 NI/ min at 6 bar

Protection Cover : Plastic

SMG SERIE VALVES



SMG SERIE AIR PILOT VALVES



MULTIPIN VALVE TERMINAL



MULTIPIN VALVE TERMINAL



FOR MORE INFORMATION PLEASE ASK THE DETAILED CATALOGUE
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