

Valves

Solenoid Pilot Valves



01V

Pg. 14.4

Externally Piloted Solenoid Valves



01V - X1V

Pg. 14.10

Air Pilot Valves



01V

Pg. 14.24

Manual Valves



01V - X1V

Pg. 14.30

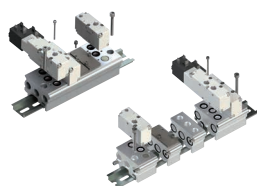
Mechanically Actuated Valves



01V

Pg. 14.40

Din Rail Mounted, Fixed Length and Modular Manifold Bases



01V

Pg. 14.43

Micro Valves



02V

Pg. 14.49

16 mm Valves



03V

Pg. 14.52

Micro Valves, Panel Mounted



04V

Pg. 14.56

Individual and Manifold Base Mounted Valves



05V

Pg. 14.59

Pedal Valves



06V

Pg. 14.67

Solenoid Valves



07V

Pg. 14.69

Miniature Solenoid Valves 10 mm



07V

Pg. 14.71

Miniature Solenoid Valves 15 mm



07V

Pg. 14.73

NAMUR Standard Valves



08V

Pg. 14.77

Valves ISO 5599 - Size 1



10V

Pg. 14.84

Valves ISO 5599 - Size 2



11V

Pg. 14.88

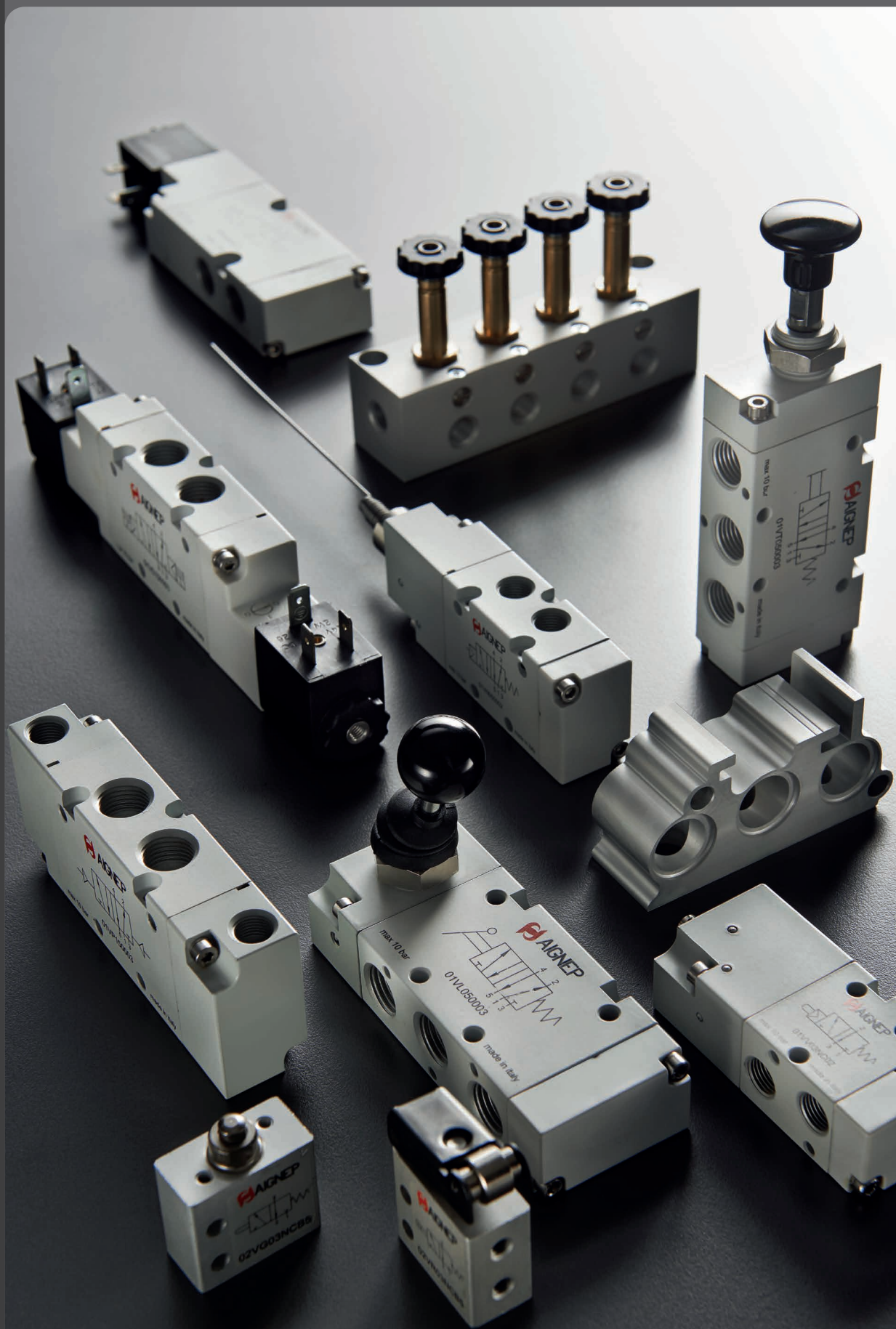
Solenoids and Connectors



Pg. 14.20 - Pg. 14.23

MANUAL, MECHANICAL, AIR PILOT AND SOLENOID PILOT VALVES

Valves

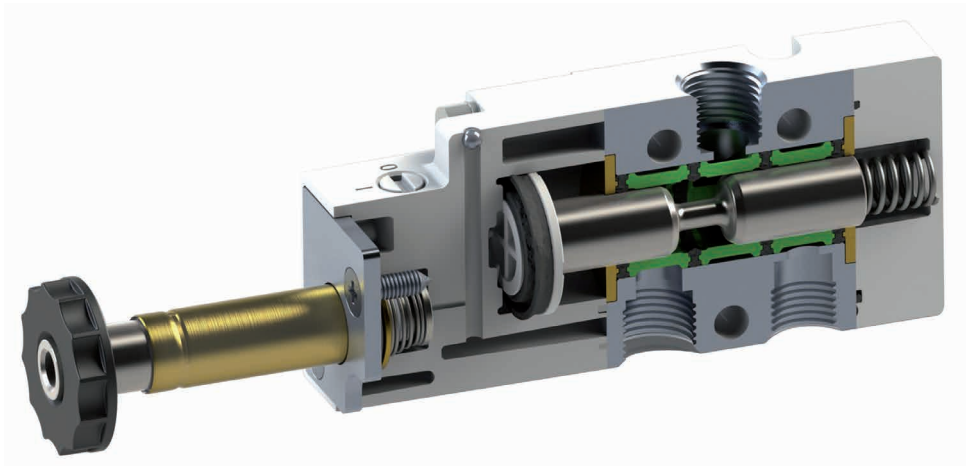




SOLENOID PILOT VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

- 1907/2006
REACH
- 2011/65/CE
RoHS
- PED
2014/68/UE
- ATEX
2014/34/UE



Component Parts and Materials

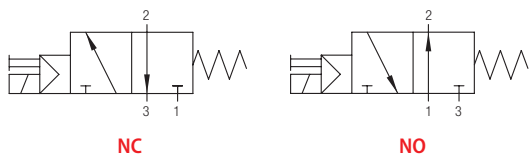
- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

		1/8	1/4	3/8	1/2
	THREADED	G 1/8 NPTF 1/8	G 1/4 NPTF 1/4	NPTF 3/8	G 1/2 NPTF 1/2
	6 bar FLOW RATE with Δp 1 bar	740 NI/min	1200 NI/min	2000 NI/min	5000 NI/min
	OPERATING PRESSURE	2 ÷ 10 bar 29 ÷ 145 psi			
		1 ÷ 10 bar 14.5 ÷ 145 psi			
	TEMPERATURE	-10 °C 14 °F			
		+60 °C 140 °F			
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC - 110V AC - 220V AC			
	MINIMUM POWER	2W - 3VA			
	MANUAL CONTROL	BISTABLE			
	TORQUE OF THE TIGHTENING SOLENOID'S NUT	0.6 Nm			

Series	Actuation	Reactuation	Function	Size	Thread
0 1 V	S	0	3	0 2	
S = Solenoid 0 = Monostable spring return 1 = Bistable 4 = Pneumatic return 5 = Spring Pneumatic return 3 = 3/2 5 = 5/2 7 = 5/3 NO = Normally open NC = Normally closed CC = All Ports Blocked OC = Cylinder Ports Open to Exhaust PC = Cylinder Ports Pressurized 00 = Function not provided 02 = 1/8 03 = 1/4 04 = 3/8 05 = 1/2 = G N = NPTF					

3/2

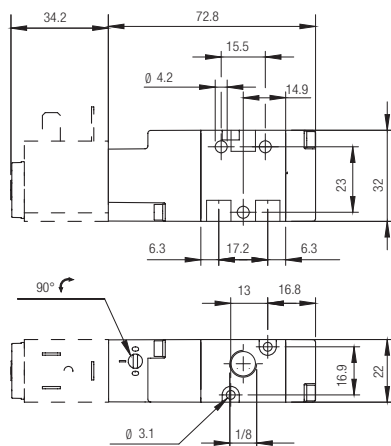
SINGLE SOLENOID PILOT - SPRING RETURN



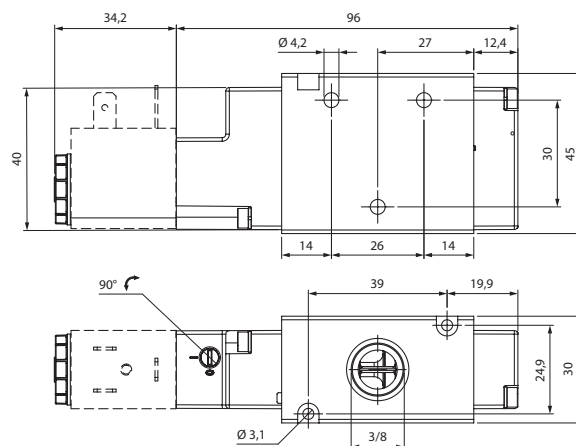
Part No.	Function	Size	Pack.
01V S0 3 NC 02	3/2 NC	G 1/8	1
01V S0 3 NC 03	3/2 NC	G 1/4	1
01V S0 3 NC 05	3/2 NC	G 1/2	1
01V S0 3 NO 02	3/2 NO	G 1/8	1
01V S0 3 NO 03	3/2 NO	G 1/4	1
01V S0 3 NO 05	3/2 NO	G 1/2	1
01V S4 3 NC 02	3/2 NC	G 1/8	1
01V S4 3 NC 03	3/2 NC	G 1/4	1
01V S5 3 NC 02	3/2 NC	G 1/8	1
01V S5 3 NC 03	3/2 NC	G 1/4	1

Part No.	Function	Size	Pack.
01V S0 3 NC 02 N	3/2 NC	NPTF 1/8	1
01V S0 3 NC 03 N	3/2 NC	NPTF 1/4	1
01V S0 3 NC 04 N	3/2 NC	NPTF 3/8	1
01V S0 3 NC 05 N	3/2 NC	NPTF 1/2	1
01V S0 3 NO 02 N	3/2 NO	NPTF 1/8	1
01V S0 3 NO 03 N	3/2 NO	NPTF 1/4	1
01V S0 3 NO 04 N	3/2 NO	NPTF 3/8	1
01V S0 3 NO 05 N	3/2 NO	NPTF 1/2	1

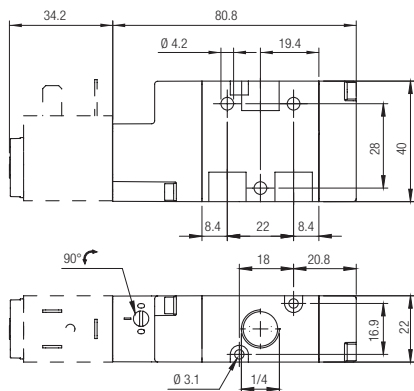
G 1/8 - NPTF 1/8



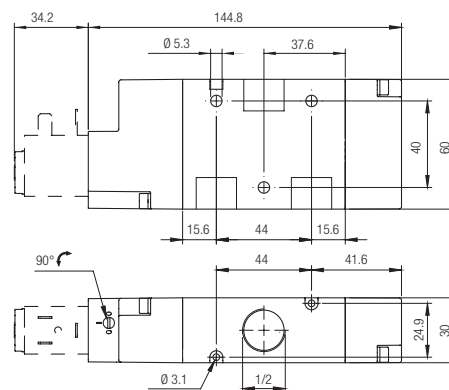
NPTF 3/8



G 1/4 - NPTF 1/4

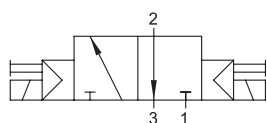


G 1/2 - NPTF 1/2



3/2

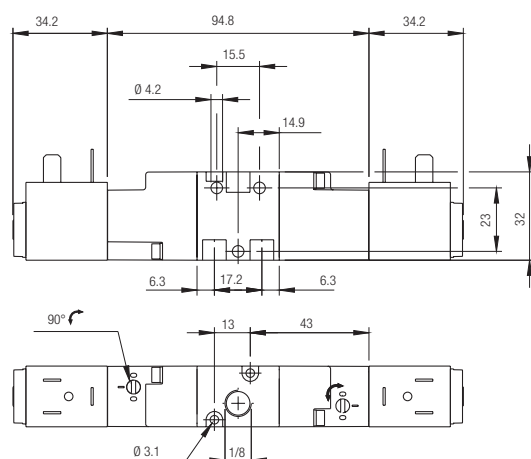
DOUBLE SOLENOID PILOT



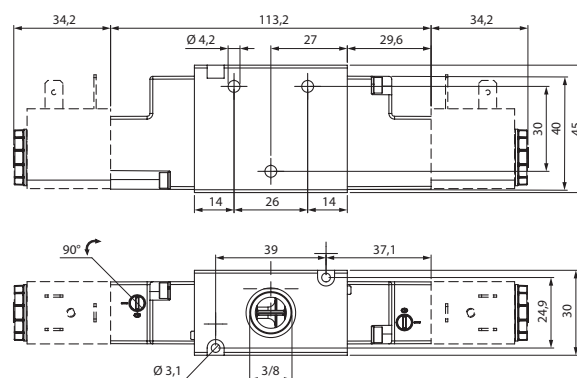
Part No.	Function	Size	Pack.
01V S1 3 00 02	3/2	G 1/8	1
01V S1 3 00 03	3/2	G 1/4	1
01V S1 3 00 05	3/2	G 1/2	1

Part No.	Function	Size	Pack.
01V S1 3 00 02 N	3/2	NPTF 1/8	1
01V S1 3 00 03 N	3/2	NPTF 1/4	1
01V S1 3 00 04 N	3/2	NPTF 3/8	1
01V S1 3 00 05 N	3/2	NPTF 1/2	1

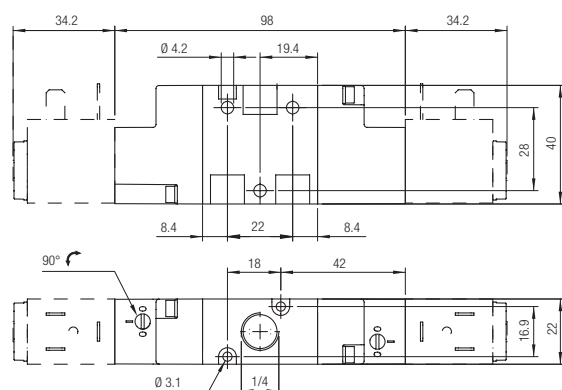
G 1/8 - NPTF 1/8



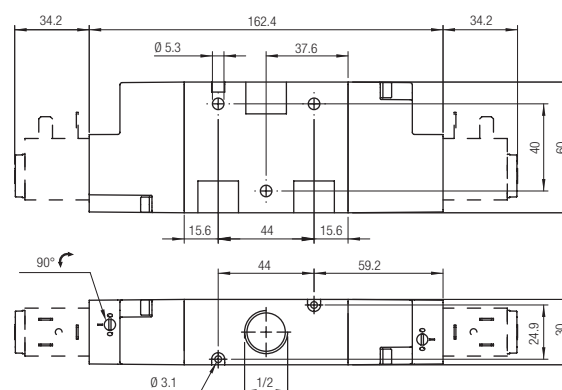
NPTF 3/8



G 1/4 - NPTF 1/4

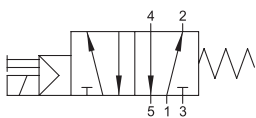


G 1/2 - NPTF 1/2



5/2

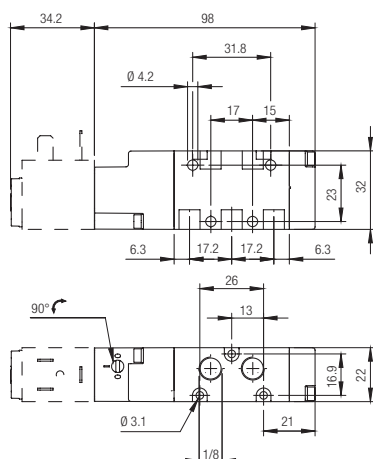
SINGLE SOLENOID PILOT - SPRING RETURN



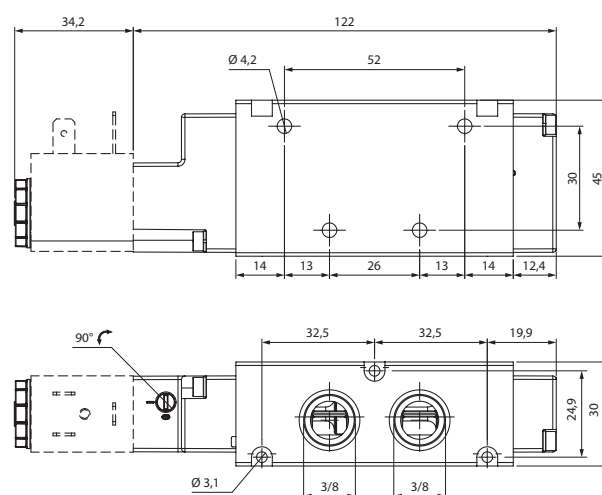
Part No.	Function	Size	Pack.
01V S0 5 00 02	5/2	G 1/8	1
01V S0 5 00 03	5/2	G 1/4	1
01V S0 5 00 05	5/2	G 1/2	1
01V S4 5 00 02	3/2	G 1/8	1
01V S4 5 00 03	3/2	G 1/4	1
01V S5 5 00 02	3/2	G 1/8	1
01V S5 5 00 03	3/2	G 1/4	1

Part No.	Function	Size	Pack.
01V S0 5 00 02 N	5/2	NPTF 1/8	1
01V S0 5 00 03 N	5/2	NPTF 1/4	1
01V S0 5 00 04 N	5/2	NPTF 3/8	1
01V S0 5 00 05 N	5/2	NPTF 1/2	1

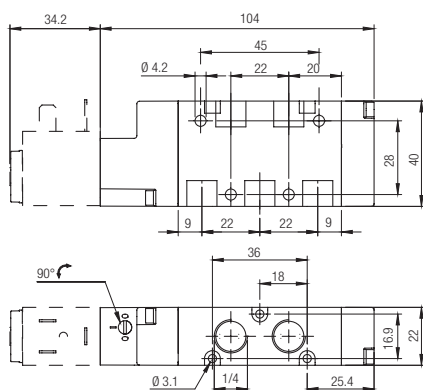
G 1/8 - NPTF 1/8



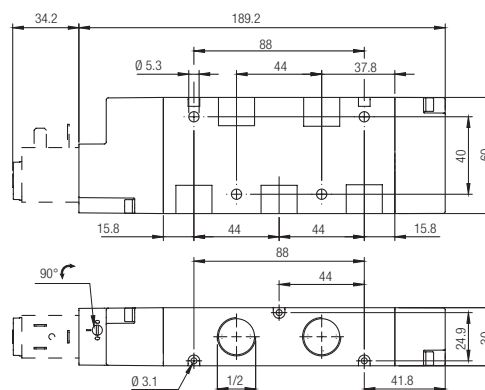
NPTF 3/8



G 1/4 - NPTF 1/4

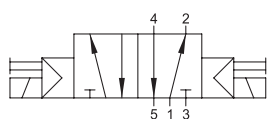


G 1/2 - NPTF 1/2



5/2

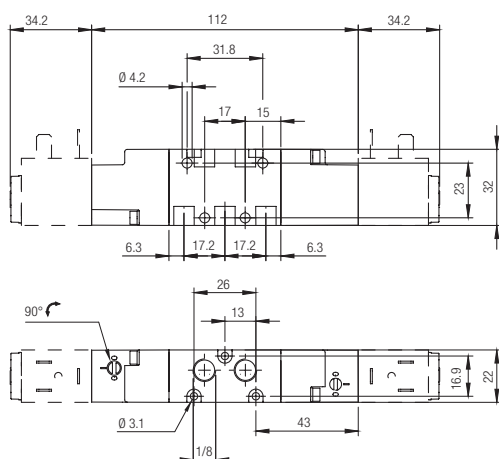
DOUBLE SOLENOID PILOT



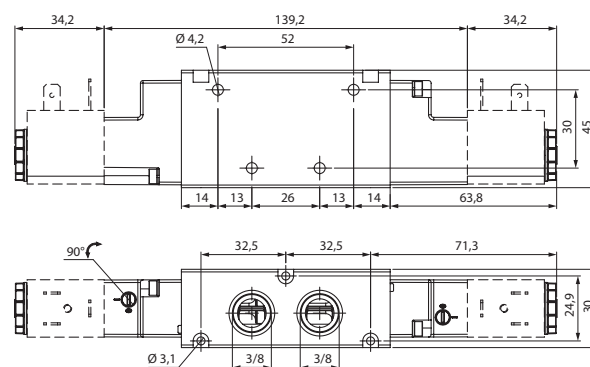
Part No.	Function	Size	Pack.
01V S1 5 00 02	5/2	G 1/8	1
01V S1 5 00 03	5/2	G 1/4	1
01V S1 5 00 05	5/2	G 1/2	1

Part No.	Function	Size	Pack.
01V S1 5 00 02 N	5/2	NPTF 1/8	1
01V S1 5 00 03 N	5/2	NPTF 1/4	1
01V S1 5 00 04 N	5/2	NPTF 3/8	1
01V S1 5 00 05 N	5/2	NPTF 1/2	1

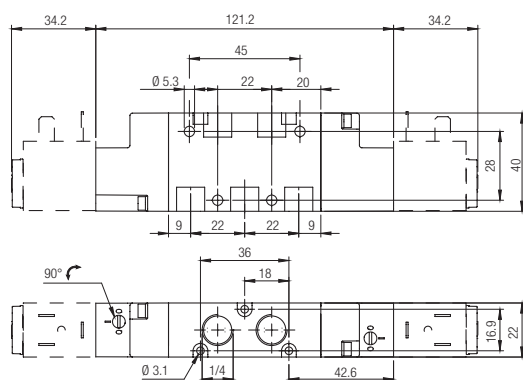
G 1/8 - NPTF 1/8



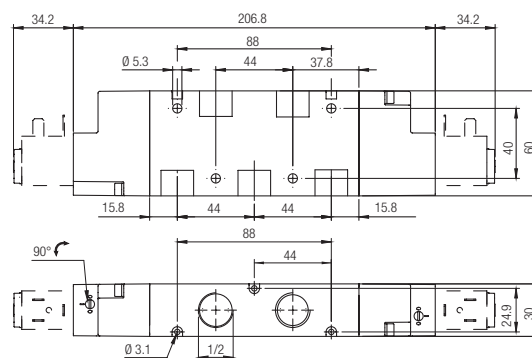
NPTF 3/8



G 1/4 - NPTF 1/4

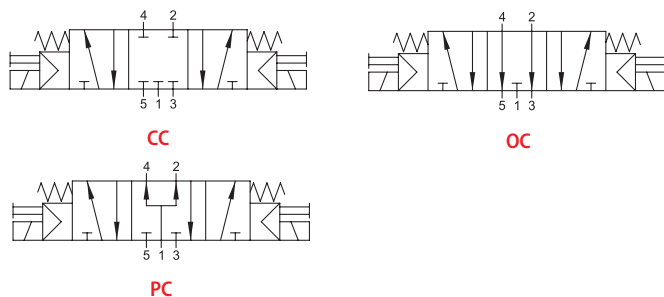


G 1/2 - NPTF 1/2



5/3

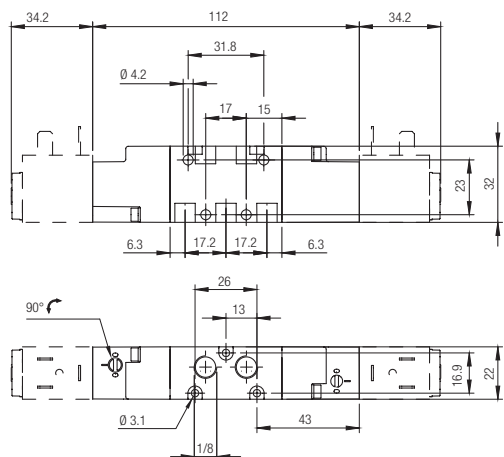
DOUBLE SOLENOID PILOT - SPRING CENTERED



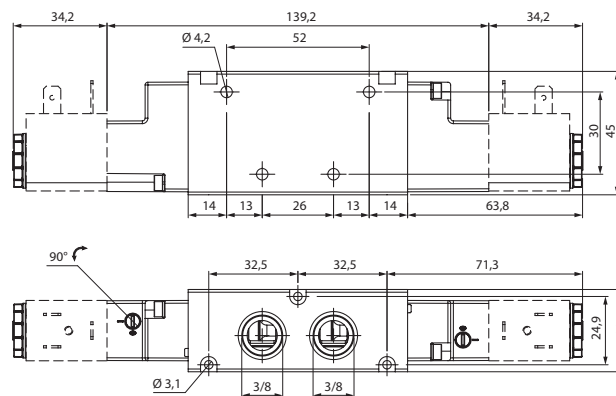
Part No.	Function	Size	Pack.
01V S0 7 CC 02	5/3 CC	G 1/8	1
01V S0 7 CC 03	5/3 CC	G 1/4	1
01V S0 7 CC 05	5/3 CC	G 1/2	1
01V S0 7 OC 02	5/3 OC	G 1/8	1
01V S0 7 OC 03	5/3 OC	G 1/4	1
01V S0 7 OC 05	5/3 OC	G 1/2	1
01V S0 7 PC 02	5/3 PC	G 1/8	1
01V S0 7 PC 03	5/3 PC	G 1/4	1
01V S0 7 PC 05	5/3 PC	G 1/2	1

Part No.	Function	Size	Pack.
01V S0 7 CC 02 N	5/3 CC	NPTF 1/8	1
01V S0 7 CC 03 N	5/3 CC	NPTF 1/4	1
01V S0 7 CC 04 N	5/3 CC	NPTF 3/8	1
01V S0 7 CC 05 N	5/3 CC	NPTF 1/2	1
01V S0 7 OC 02 N	5/3 OC	NPTF 1/8	1
01V S0 7 OC 03 N	5/3 OC	NPTF 1/4	1
01V S0 7 OC 04 N	5/3 OC	NPTF 3/8	1
01V S0 7 OC 05 N	5/3 OC	NPTF 1/2	1
01V S0 7 PC 02 N	5/3 PC	NPTF 1/8	1
01V S0 7 PC 03 N	5/3 PC	NPTF 1/4	1
01V S0 7 PC 04 N	5/3 PC	NPTF 3/8	1
01V S0 7 PC 05 N	5/3 PC	NPTF 1/2	1

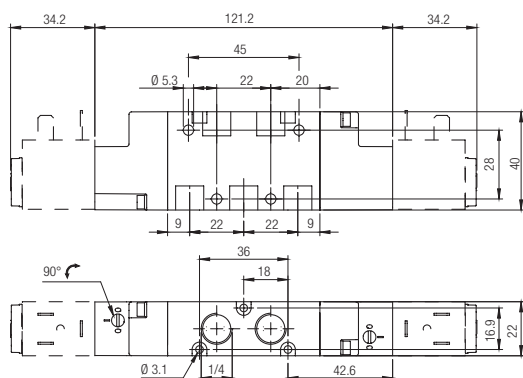
G 1/8 - NPTF 1/8



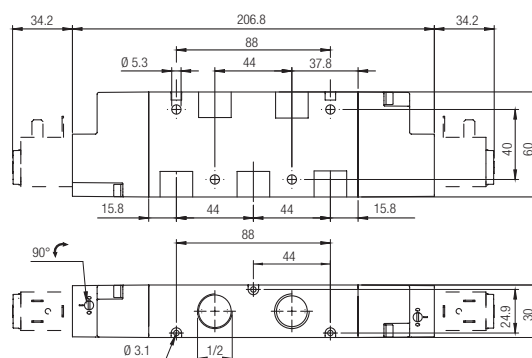
NPTF 3/8



G 1/4 - NPTF 1/4



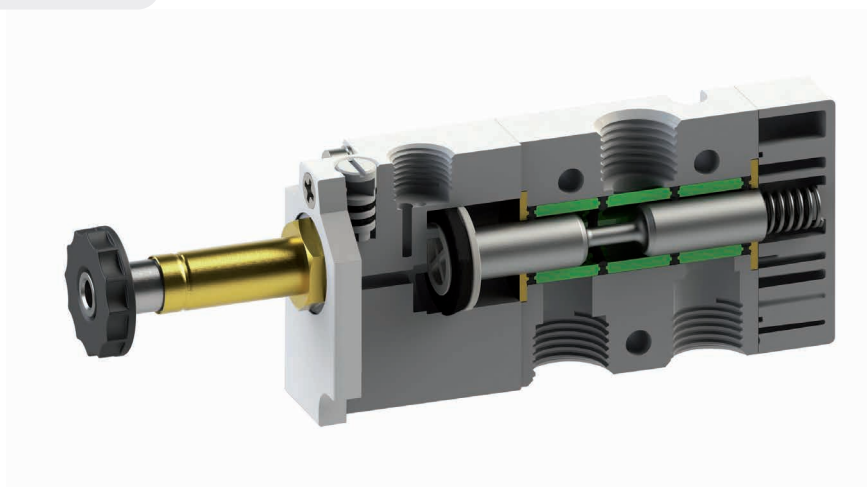
G 1/2 - NPTF 1/2



EXTERNALLY PILOTED SOLENOID VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

ATEX
2014/34/UE


Component Parts and Materials

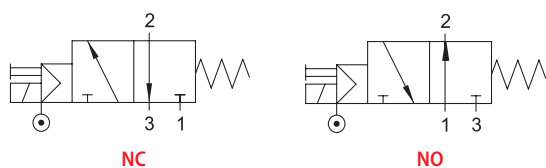
- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

		1/8	1/4
	THREAD	G 1/8 NPTF 1/8	G 1/4 NPTF 1/4
	6 bar FLOW RATE with Δp 1 bar	740 NI/min	1200 NI/min
	OPERATING PRESSURE	Vacuum ÷ 10 bar Vacuum ÷ 145 psi	
	PRESSURE DRIVE	Monostable	2 ÷ 10 bar 29 ÷ 145 psi
		Bistable	1 ÷ 10 bar 14.5 ÷ 145 psi
	TEMPERATURE	min	-10 °C 14 °F
		max	+60 °C 140 °F
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC 110V AC - 220V AC	
	MINIMUM POWER	2W - 3VA	
	MANUAL CONTROL	BISTABLE	
	TIGHTENING TORQUE OF THE SOLENOID'S NUT	0.6 Nm	

Series	Actuation	Reactuation	Function	Size	Thread
0 1 V	A	0	3	N C	0 2
	A = Solenoid Assisted	0 = Monostable spring return 1 = Bistable	3 = 3/2 5 = 5/2 7 = 5/3	NO = Normally open NC = Normally closed CC = All Ports Blocked OC = Cylinder Ports Open to Exhaust PC = Cylinder Ports Pressurized 00 = Function not provided	02 = 1/8 03 = 1/4 = G N = NPTF

3/2

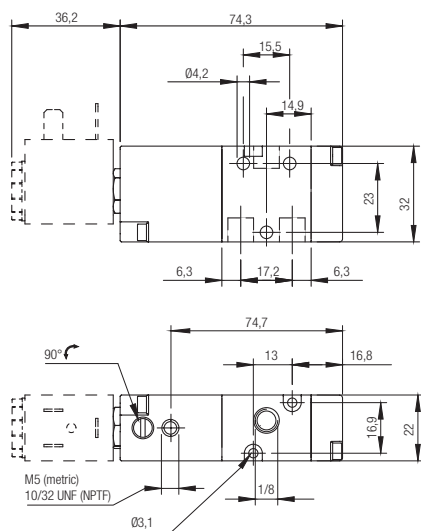
SINGLE SOLENOID EXTERNAL PILOT - SPRING RETURN



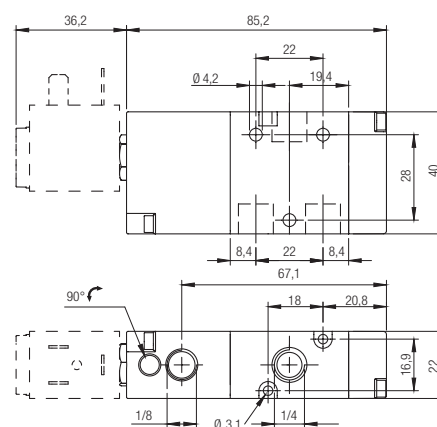
Part No.	Function	Size	Pack.
01V A0 3 NC 02	3/2 NC	G 1/8	1
01V A0 3 NC 03	3/2 NC	G 1/4	1
01V A0 3 NO 02	3/2 NO	G 1/8	1
01V A0 3 NO 03	3/2 NO	G 1/4	1

Part No.	Function	Size	Pack.
01V A0 3 NC 02 N	3/2 NC	NPTF 1/8	1
01V A0 3 NC 03 N	3/2 NC	NPTF 1/4	1
01V A0 3 NO 02 N	3/2 NO	NPTF 1/8	1
01V A0 3 NO 03 N	3/2 NO	NPTF 1/4	1

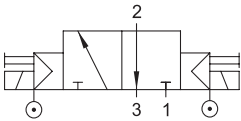
G 1/8 - NPTF 1/8



G 1/4 - NPTF 1/4



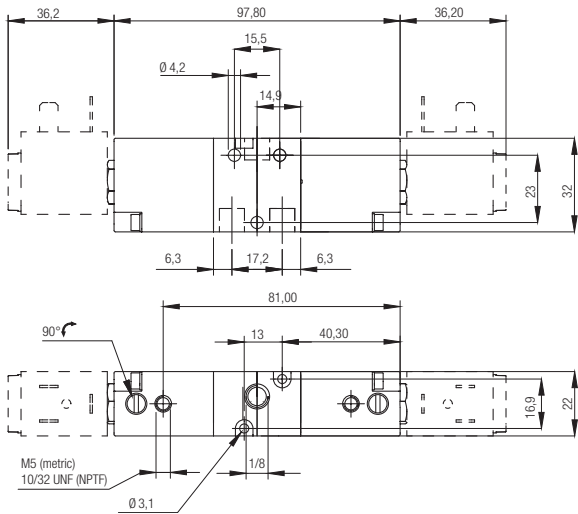
3/2
DOUBLE SOLENOID EXTERNAL PILOT



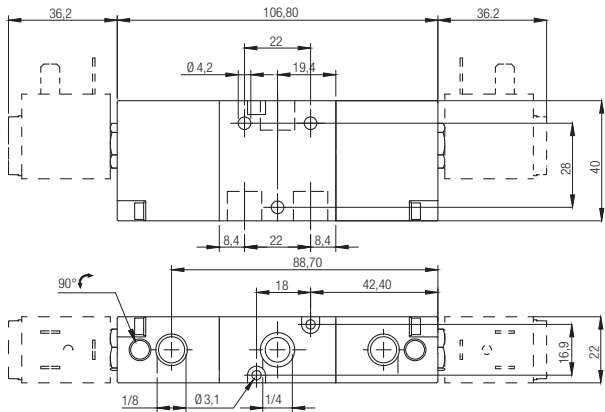
Part No.	Function	Size	Pack.
01V A1 3 00 02	3/2	G 1/8	1
01V A1 3 00 03	3/2	G 1/4	1

Part No.	Function	Size	Pack.
01V A1 3 00 02 N	3/2	NPTF 1/8	1
01V A1 3 00 03 N	3/2	NPTF 1/4	1

G 1/8 - NPTF 1/8

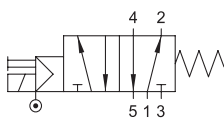


G 1/4 - NPTF 1/4



5/2

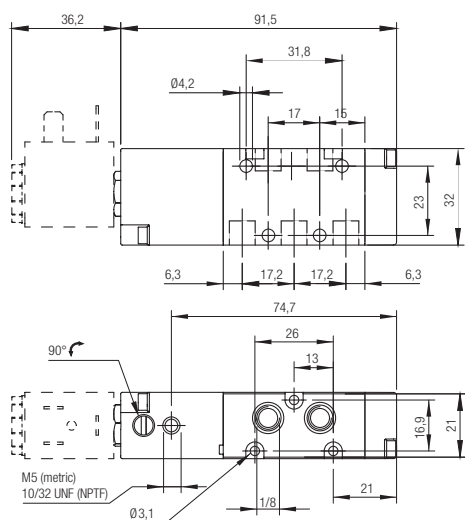
SINGLE SOLENOID EXTERNAL PILOT - SPRING RETURN



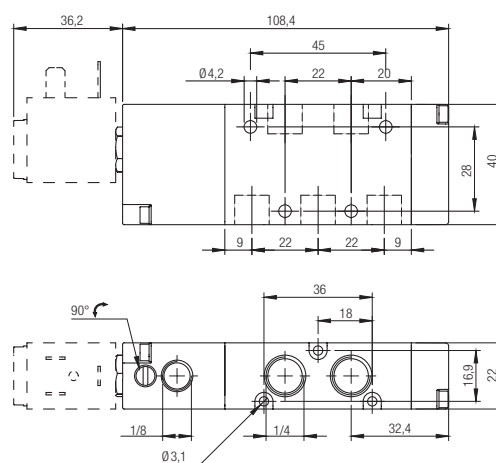
Part No.	Function	Size	Pack.
01V A0 5 00 02	5/2	G 1/8	1
01V A0 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
01V A0 5 00 02 N	5/2	NPTF 1/8	1
01V A0 5 00 03 N	5/2	NPTF 1/4	1

G 1/8 - NPTF 1/8

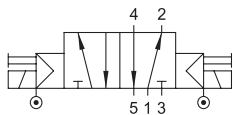


G 1/4 - NPTF 1/4



5/2

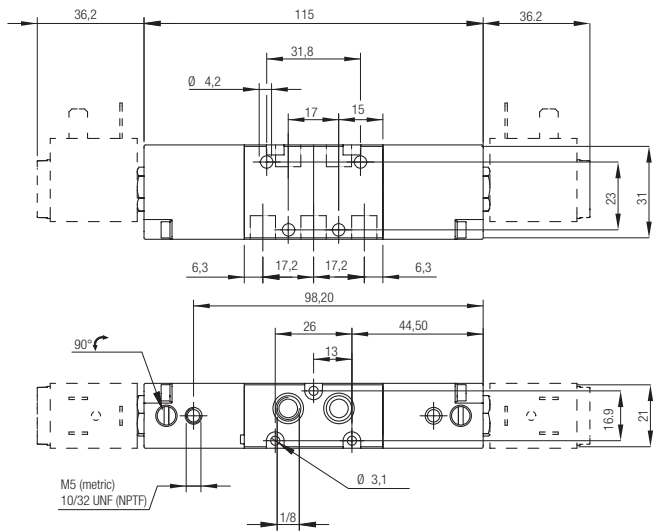
DOUBLE SOLENOID EXTERNAL PILOT



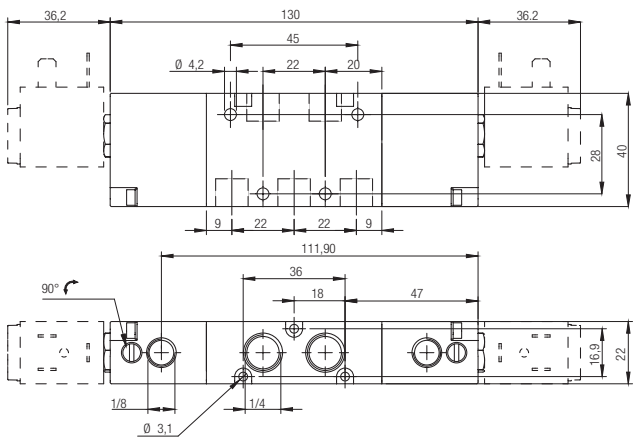
Part No.	Function	Size	Pack.
01V A1 5 00 02	5/2	G 1/8	1
01V A1 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
01V A1 5 00 02 N	5/2	NPTF 1/8	1
01V A1 5 00 03 N	5/2	NPTF 1/4	1

G 1/8 - NPTF 1/8

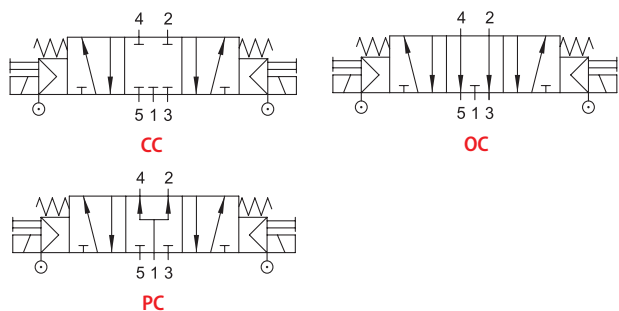


G 1/4 - NPTF 1/4



5/3

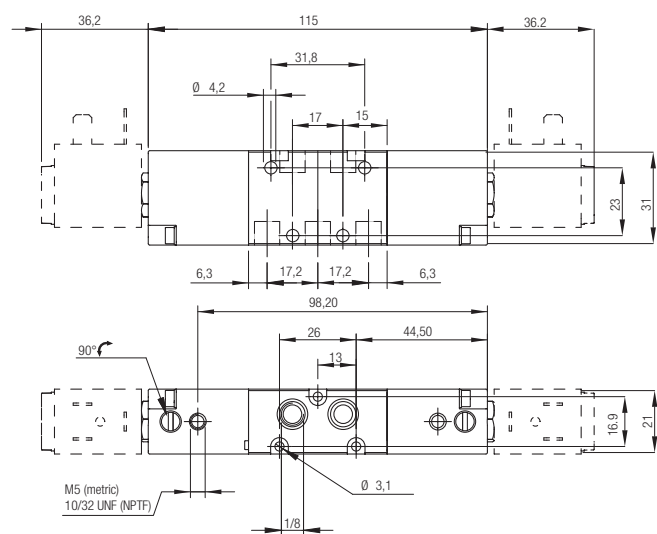
DOUBLE SOLENOID EXTERNAL PILOT - SPRING CENTERED



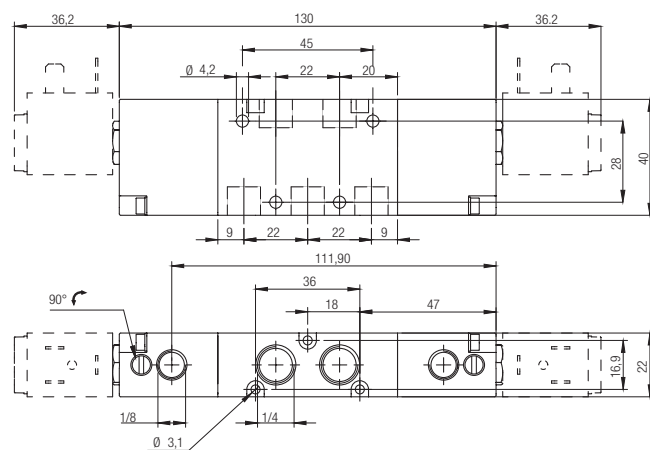
Part No.	Function	Size	Pack.
01V A0 7 CC 02	5/3 CC	G 1/8	1
01V A0 7 CC 03	5/3 CC	G 1/4	1
01V A0 7 OC 02	5/3 OC	G 1/8	1
01V A0 7 OC 03	5/3 OC	G 1/4	1
01V A0 7 PC 02	5/3 PC	G 1/8	1
01V A0 7 PC 03	5/3 PC	G 1/4	1

Part No.	Function	Size	Pack.
01V A0 7 CC 02 N	5/3 CC	NPTF 1/8	1
01V A0 7 CC 03 N	5/3 CC	NPTF 1/4	1
01V A0 7 OC 02 N	5/3 OC	NPTF 1/8	1
01V A0 7 OC 03 N	5/3 OC	NPTF 1/4	1
01V A0 7 PC 02 N	5/3 PC	NPTF 1/8	1
01V A0 7 PC 03 N	5/3 PC	NPTF 1/4	1

G 1/8 - NPTF 1/8



G 1/4 - NPTF 1/4



EXTERNALLY PILOTED SOLENOID VALVES

AISI 316L

TECHNICAL CHARACTERISTICS





Reference Standard

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE



Component Parts and Materials

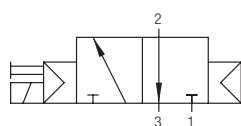
- Stainless Steel 316 L (1.4404) body
- Stainless Steel 316 L (1.4404) spool
- PUR seals and FKM O-Ring

		1/4	1/2
	THREAD	G 1/4	G 1/2
	6 bar FLOW RATE with Δp 1 bar	1250 NI/min	3000 NI/min
	TEMPERATURE	min	-50 °C -58 °F
		max	+50 °C 122 °F
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC 110V AC - 220V AC	
	MINIMUM POWER	3W - 5VA	
	MANUAL CONTROL	BISTABLE	
	TIGHTENING TORQUE OF THE SOLENOID'S NUT	0.6 Nm	

Series	Actuation	Reactuation	Ways	Function	Size	Thread
X 1 V	S	1	3	N C	0 3	
	S = Solenoid	1 = Bistable 4 = Monostable pneumatic return	3 = 3/2 5 = 5/2	NC = Normally closed 00 = Function not provided	03 = 1/4 05 = 1/2	= G

3/2 Vie - Ways - Wege - Voies - Vías - Vias

MONOSTABLE PNEUMATIC RETURN

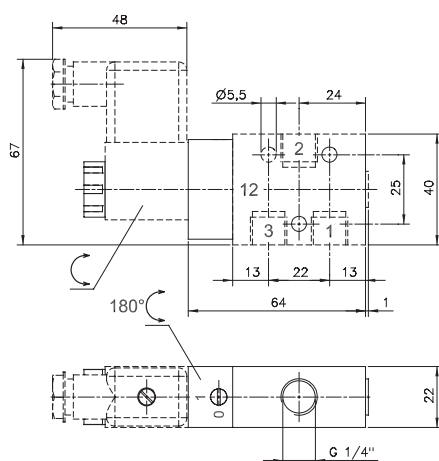


NC

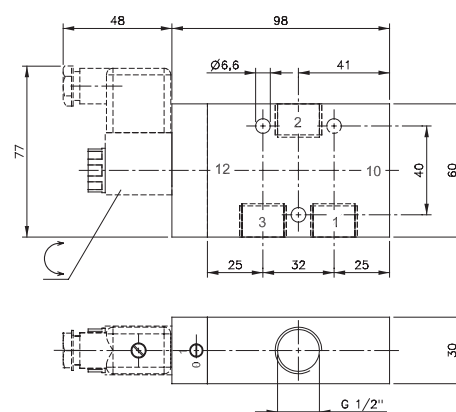


Part No.	Function	Working pressure	Size	Pack.
X1V S4 3 NC 03	3/2 NC	2÷10 bar	1/4	1
X1V S4 3 NC 05	3/2 NC	1÷10 bar	1/2	1

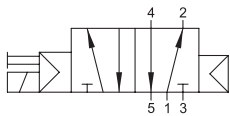
X1V S4 3 NC 03



X1V S4 3 NC 05

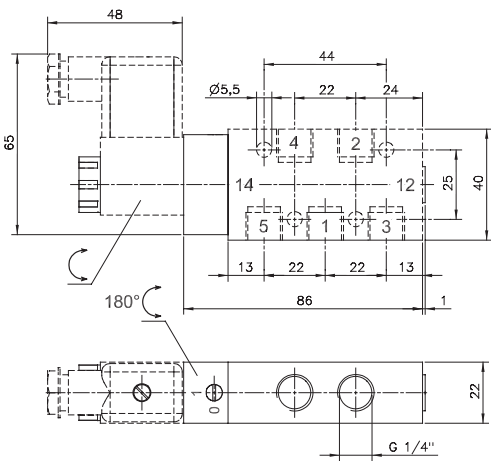


5/2 Vie - Ways - Wege - Voies - Vías - Vias
MONOSTABLE PNEUMATIC RETURN

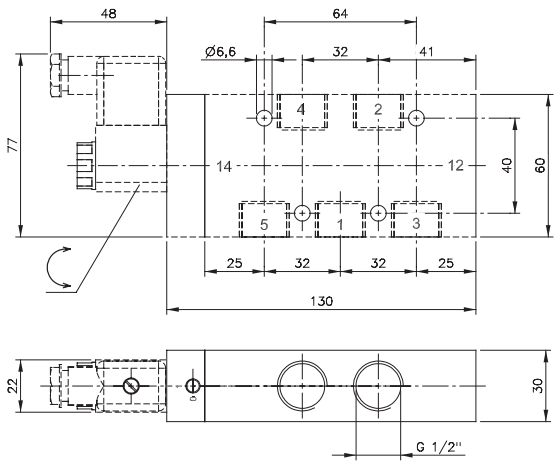


Part No.	Function	Working pressure	Size	Pack.
X1V S4 5 00 03	5/2	2÷10 bar	1/4	1
X1V S4 5 00 05	5/2	2÷10 bar	1/2	1

X1V S4 5 00 03

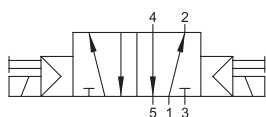


X1V S4 5 00 05



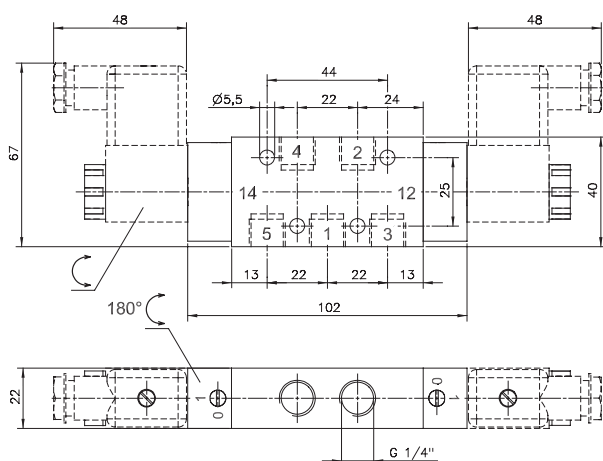
5/2 Vie - Ways - Wege - Voies - Vías - Vias

TWO STABLE POSITIONS

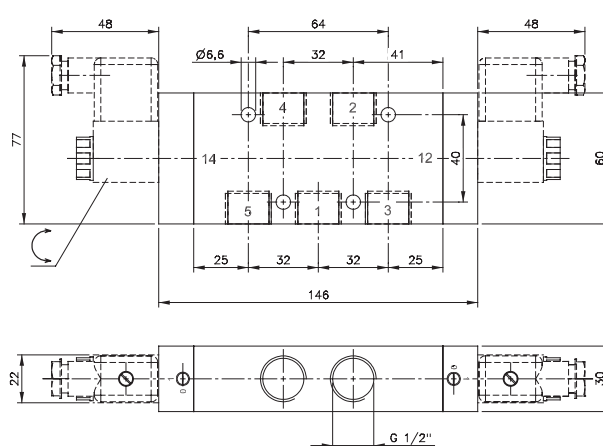


Part No.	Function	Working pressure	Size	Pack.
X1V S1 5 00 03	5/2	2÷10 bar	1/4	1
X1V S1 5 00 05	5/2	1÷10 bar	1/2	1

X1V S1 5 00 03

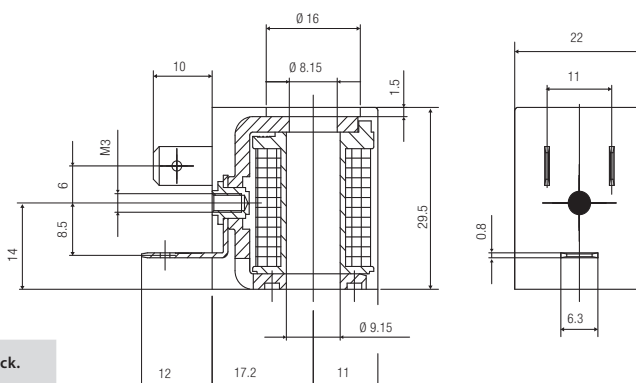


X1V S1 5 00 05



SOLENOIDS AND CONNECTORS

Solenoid 22 mm



Part No.	Solenoid Voltage	Power	Pack.
SOL01 012 C 1 000	12V DC	3W	1
SOL01 024 C 1 000	24V DC	3W	1
* SOL01 024 C 3 000	24V DC	2W	1
SOL01 024 A 2 000	24V AC	5VA	1
SOL01 110 A 2 000	110V AC	5VA	1
SOL01 220 A 2 000	220V AC	5VA	1

* Solenoid Recommended (ECO-FRIENDLY), only for 01V - 07V - 08V.

VOLTAGE TOLERANCE

±10 %

CLASS OF ISOLATION

F CEI EN
60085

DUTY RATE (ED)

100 %

DEGREE OF
PROTECTION

IP65 IEC
60529
with connector

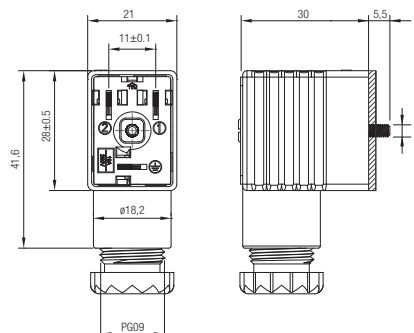
TERMINALS

INDUSTRIAL
AMP

ELECTRICAL
CONNECTIONS

**FORM B -
INDUSTRIAL**
EN 175301-803
(EX DIN 43650)

Connectors 22 mm



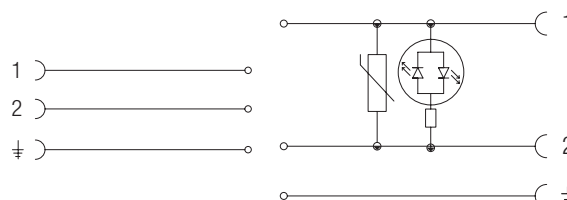
Part No.	Color	Characteristics	Pack.
CON01 000 01	■	STANDARD 2 PIN	1
CON02 024 00	□	LED + VDR 0 - 24V	1
CON02 110 00	□	LED + VDR 110V	1
CON02 250 00	□	LED + VDR 220V	1

■ Black

□ Transparent

VDR: Fitted with varistors as surge protection device.


Wiring



CON01 000 01

CON02 024 00
CON02 110 00
CON02 250 00

DEGREE OF
PROTECTION

IP65 IEC
60529

CABLE DIAMETER

6 ÷ 8 mm

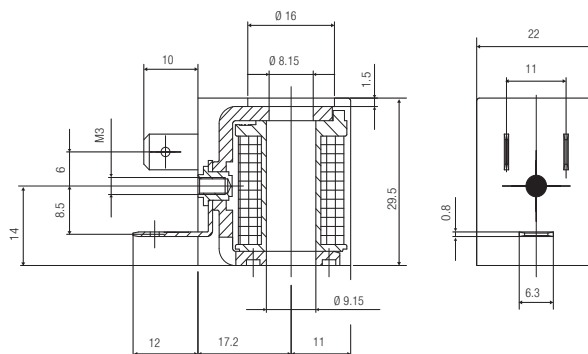
TERMINALS

INDUSTRIAL
AMP

ELECTRICAL
CONNECTIONS

**FORM B -
INDUSTRIAL**
EN 175301-803
(EX DIN 43650)

Solenoid 22 mm UL1446 CAN/CSA C22.2



Part No.	Voltage	Power	Size	Pack.
SOLU1 012 C 1 000	12V DC	3W	22	1
* SOLU1 024 C 3 000	24V DC	2W	22	1
SOLU1 024 A 2 000	24V AC	5VA	22	1
SOLU1 110 A 2 000	110V AC	5VA	22	1
SOLU1 220 A 2 000	220V AC	5VA	22	1

* Solenoid Recommended (ECO-FRIENDLY), only for 01V - 07V - 08V.

VOLTAGE TOLERANCE

±10 %

CLASS OF ISOLATION

H CEI EN 60085

DUTY RATE (ED)

100 %

DEGREE OF PROTECTION

IP65 IEC 60529
with connector

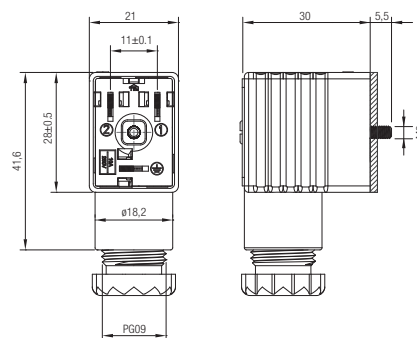
TERMINALS

INDUSTRIAL AMP

ELECTRICAL CONNECTIONS

FORM B - INDUSTRIAL
EN 175301-803
(EX DIN 43650)

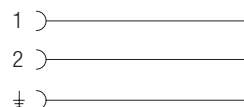
Connectors 22 mm EN 175301-803 A/ISO 4400 - UL/CSA APPROVED



Part No.	Characteristics	Pack.
CONU1 000 01	STANDARD 2 PIN	1



Wiring



CONU1 000 01

DEGREE OF PROTECTION

IP65 IEC 60529

CABLE DIAMETER

6 ÷ 8 mm

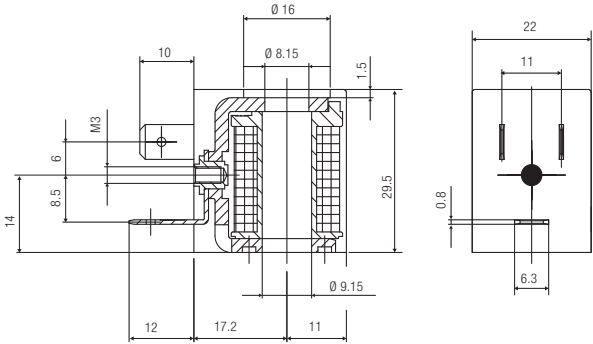
TERMINALS

INDUSTRIAL AMP

ELECTRICAL CONNECTIONS

FORM B - INDUSTRIAL
EN 175301-803
(EX DIN 43650)

Solenoid 22 mm ATEX - II 3G Ex nA IIC T5 Gc | II 3D Ex tc IIIC 95°C Dc



Part No.	Voltage	Power	Size	Pack.
SOLX1 012 C 1 000	12V DC	3W	22	1
SOLX1 024 C 1 000	24V DC	3W	22	1
SOLX1 024 A 2 000	24V AC	5VA	22	1

VOLTAGE TOLERANCE

±10 %

DEGREE OF PROTECTION

IP65 IEC 60529 with connector

DUTY RATE (ED)

100 %

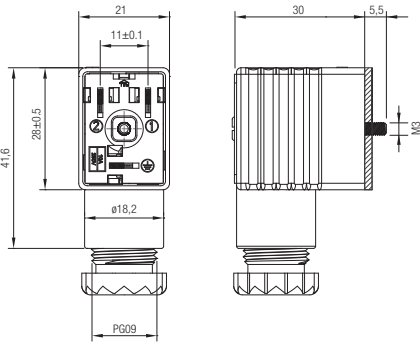
TERMINALS

INDUSTRIAL AMP

ELECTRICAL CONNECTIONS

FORM B - INDUSTRIAL EN 175301-803 (EX DIN 43650)

Connetors 22 mm ATEX - II 2G Ex e IIC T6 Gb | II 2D Ex tb IIIC T85°C Db



Part No.	Color	Characteristics	Pack.
CONX1 000 01	■	2 POLI - Pins - Pins - Broches - Pins - Pinos	1



Wiring

1)
2)
⊕)

CONX1 000 01

DEGREE OF PROTECTION

IP65 IEC 60529

CABLE DIAMETER

6 ÷ 8 mm

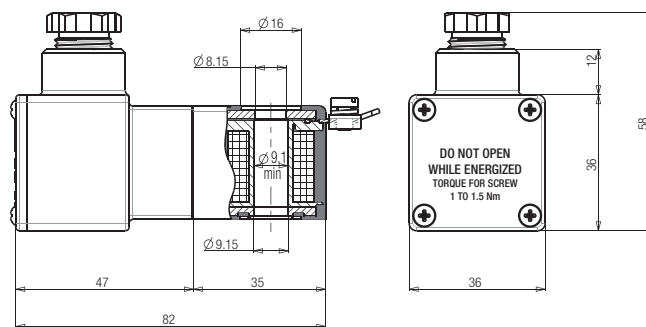
TERMINALS

INDUSTRIAL AMP

ELECTRICAL CONNECTIONS

FORM B - INDUSTRIAL EN 175301-803 (EX DIN 43650)

Solenoid 30 mm ATEX II2G EX DMD IIC T5 GB



Part No.	Voltage	Power	Size	Pack.
SOLX2 012 C 1 000	12V DC	3W	30	5
SOLX2 024 C 1 000	24V DC	3W	30	5
SOLX2 024 A 2 000	24V AC	4.8VA	30	5
SOLX2 110 A 2 000	110V AC	4.8VA	30	5
SOLX2 220 A 2 000	220V AC	4.8VA	30	5

VOLTAGE TOLERANCE

±10 %

DEGREE OF PROTECTION

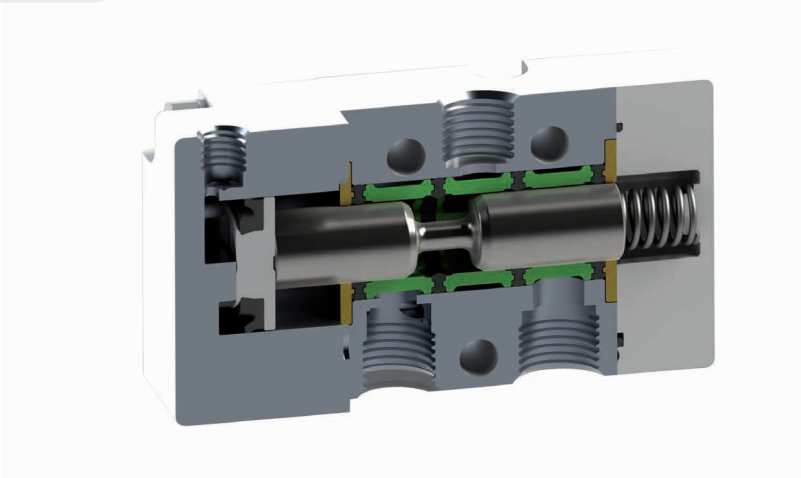
IP66 IEC 60529
with connector

DUTY RATE (ED)

100 %

AIR PILOT VALVES

TECHNICAL CHARACTERISTICS





Reference Standard

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

ATEX
2014/34/UE



Component Parts and Materials

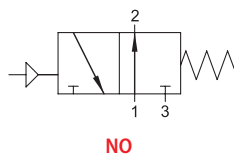
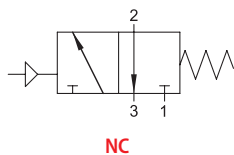
- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

		1/8	1/4	3/8	1/2
	THREAD	G 1/8 NPTF 1/8	G 1/4 NPTF 1/4	NPTF 3/8	G 1/2 NPTF 1/2
	6 bar FLOW RATE with Δp 1 bar	740 NI/min	1200 NI/min	2000 NI/min	5000 NI/min
	OPERATING PRESSURE	0 ÷ 10 bar 0 ÷ 145 psi			
	PRESSURE DRIVE	Monostable	2 ÷ 10 bar 29 ÷ 145 psi		
		Bistable	1 ÷ 10 bar 14.5 ÷ 145 psi		
	TEMPERATURE	min	-10 °C 14 °F		
		max	+60 °C 140 °F		

Series	Actuation	Reactuation	Function	Size	Thread	
0 1 V	P	0	3	N C	0 2	
	P = Pneumatic	0 = Monostable spring return 1 = Bistable	3 = 3/2 5 = 5/2 7 = 5/3	NO = Normally open NC = Normally closed CC = All Ports Blocked OC = Cylinder Ports Open to Exhaust PC = Cylinder Ports Pressurized 00 = Function not provided	02 = 1/8 03 = 1/4 04 = 3/8 05 = 1/2	= G N = NPTF

3/2

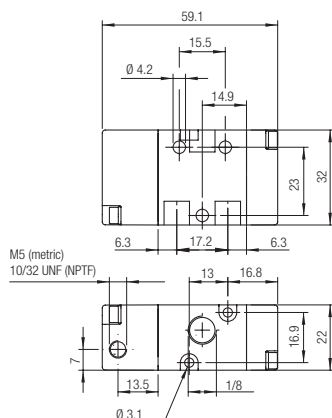
SINGLE AIR PILOT - SPRING RETURN



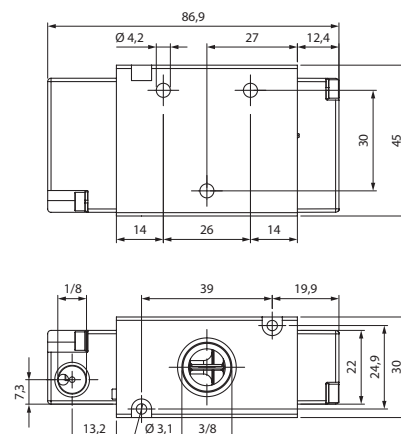
Part No.	Function	Size	Pack.
01V P0 3 NC 02	3/2 NC	G 1/8	1
01V P0 3 NC 03	3/2 NC	G 1/4	1
01V P0 3 NC 05	3/2 NC	G 1/2	1
01V P0 3 NO 02	3/2 NO	G 1/8	1
01V P0 3 NO 03	3/2 NO	G 1/4	1
01V P0 3 NO 05	3/2 NO	G 1/2	1

Part No.	Function	Size	Pack.
01V P0 3 NC 02 N	3/2 NC	NPTF 1/8	1
01V P0 3 NC 03 N	3/2 NC	NPTF 1/4	1
01V P0 3 NC 04 N	3/2 NC	NPTF 3/8	1
01V P0 3 NC 05 N	3/2 NC	NPTF 1/2	1
01V P0 3 NO 02 N	3/2 NO	NPTF 1/8	1
01V P0 3 NO 03 N	3/2 NO	NPTF 1/4	1
01V P0 3 NO 04 N	3/2 NO	NPTF 3/8	1
01V P0 3 NO 05 N	3/2 NO	NPTF 1/2	1

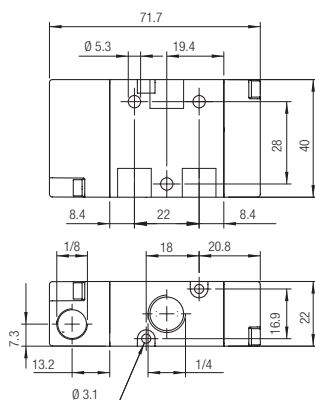
G 1/8 - NPTF 1/8



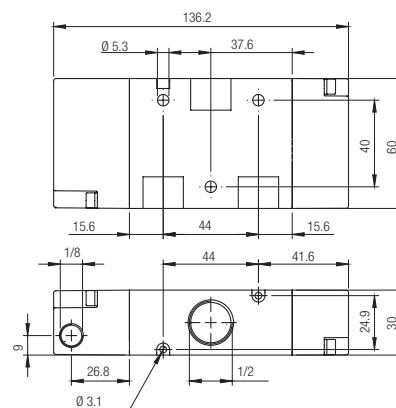
NPTF 3/8



G 1/4 - NPTF 1/4

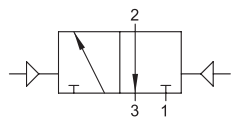


G 1/2 - NPTF 1/2



3/2

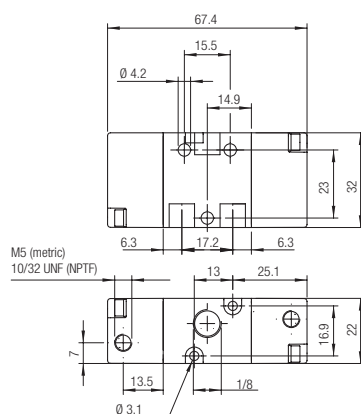
DOUBLE AIR PILOT



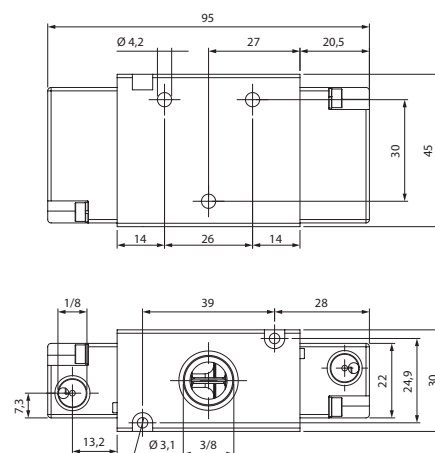
Part No.	Function	Size	Pack.
01V P1 3 00 02	3/2	G 1/8	1
01V P1 3 00 03	3/2	G 1/4	1
01V P1 3 00 05	3/2	G 1/2	1

Part No.	Function	Size	Pack.
01V P1 3 00 02 N	3/2	NPTF 1/8	1
01V P1 3 00 03 N	3/2	NPTF 1/4	1
01V P1 3 00 04 N	3/2	NPTF 3/8	1
01V P1 3 00 05 N	3/2	NPTF 1/2	1

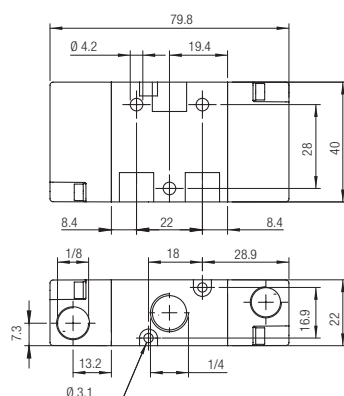
G 1/8 - NPTF 1/8



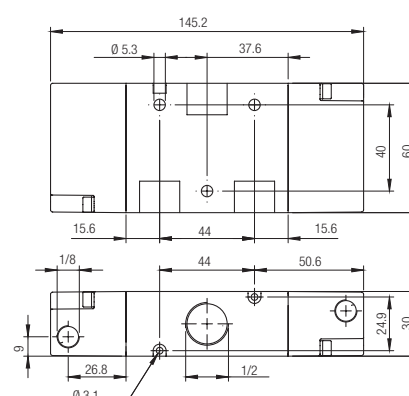
NPTF 3/8



G 1/4 - NPTF 1/4

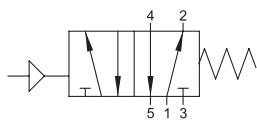


G 1/2 - NPTF 1/2



5/2

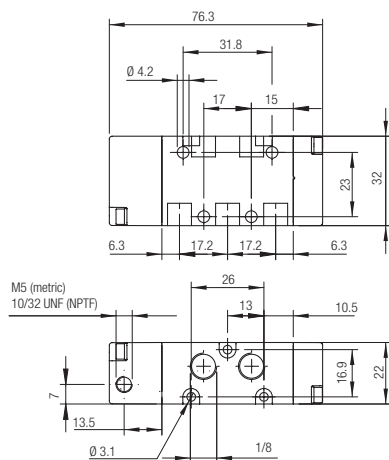
SINGLE AIR PILOT - SPRING RETURN



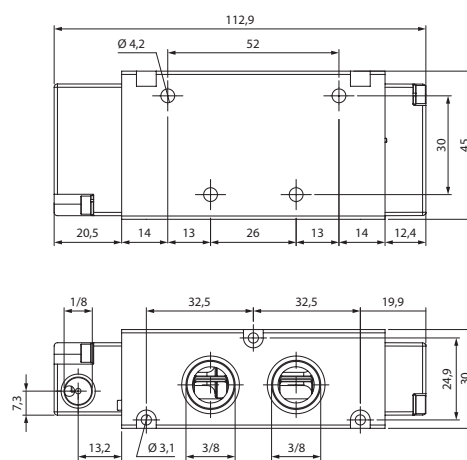
Part No.	Function	Size	Pack.
01V P0 5 00 02	5/2	G 1/8	1
01V P0 5 00 03	5/2	G 1/4	1
01V P0 5 00 05	5/2	G 1/2	1

Part No.	Function	Size	Pack.
01V P0 5 00 02 N	5/2	NPTF 1/8	1
01V P0 5 00 03 N	5/2	NPTF 1/4	1
01V P0 5 00 04 N	5/2	NPTF 3/8	1
01V P0 5 00 05 N	5/2	NPTF 1/2	1

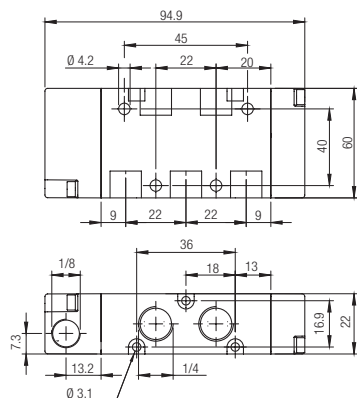
G 1/8 - NPTF 1/8



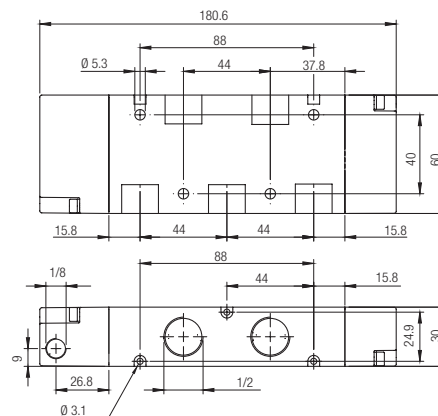
NPTF 3/8



G 1/4 - NPTF 1/4

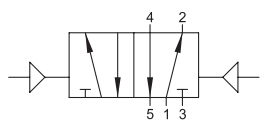


G 1/2 - NPTF 1/2



5/2

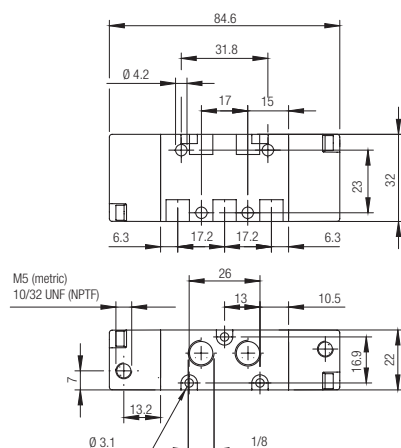
DOUBLE AIR PILOT



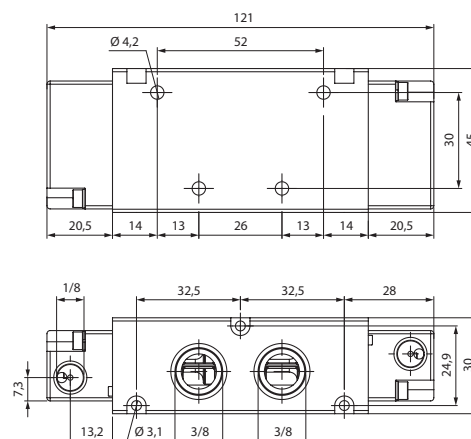
Part No.	Function	Size	Pack.
01V P1 5 00 02	5/2	G 1/8	1
01V P1 5 00 03	5/2	G 1/4	1
01V P1 5 00 05	5/2	G 1/2	1

Part No.	Function	Size	Pack.
01V P1 5 00 02 N	5/2	NPTF 1/8	1
01V P1 5 00 03 N	5/2	NPTF 1/4	1
01V P1 5 00 04 N	5/2	NPTF 3/8	1
01V P1 5 00 05 N	5/2	NPTF 1/2	1

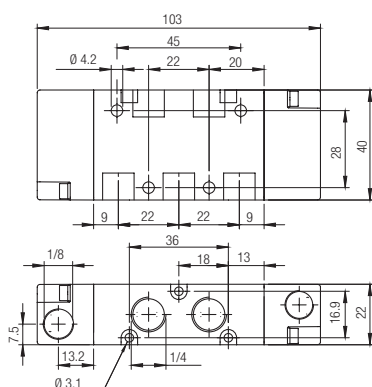
G 1/8 - NPTF 1/8



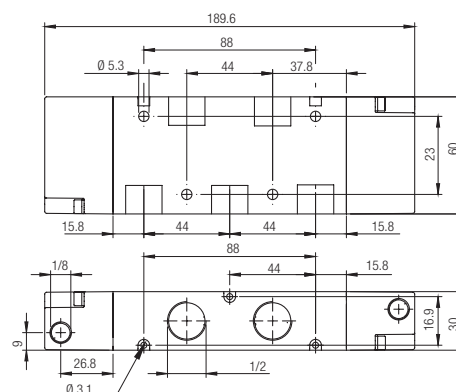
NPTF 3/8



G 1/4 - NPTF 1/4

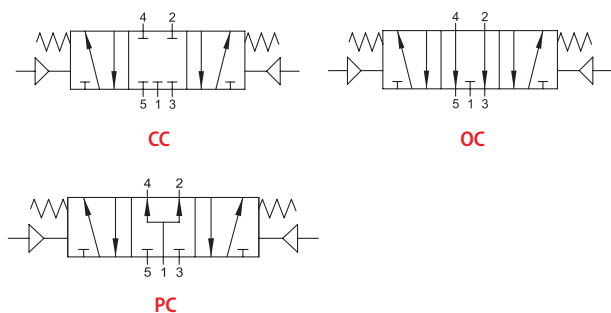


G 1/2 - NPTF 1/2



5/3

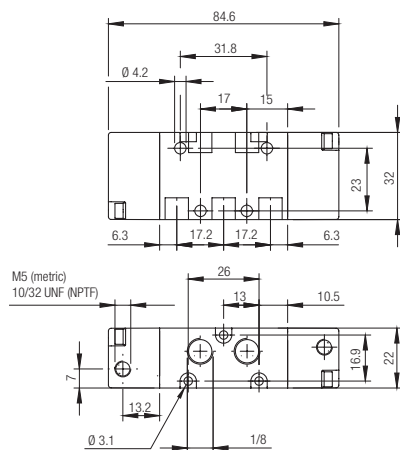
DOUBLE AIR PILOT - SPRING RETURN



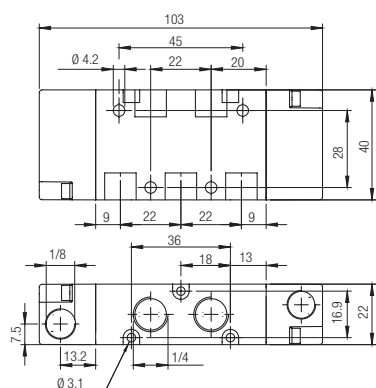
Part No.	Function	Size	Pack.
01V P0 7 CC 02	5/3 CC	G 1/8	1
01V P0 7 CC 03	5/3 CC	G 1/4	1
01V P0 7 CC 05	5/3 CC	G 1/2	1
01V P0 7 OC 02	5/3 OC	G 1/8	1
01V P0 7 OC 03	5/3 OC	G 1/4	1
01V P0 7 OC 05	5/3 OC	G 1/2	1
01V P0 7 PC 02	5/3 PC	G 1/8	1
01V P0 7 PC 03	5/3 PC	G 1/4	1
01V P0 7 PC 05	5/3 PC	G 1/2	1

01V P0 7 CC 02 N	5/3 CC	NPTF 1/8	1
01V P0 7 CC 03 N	5/3 CC	NPTF 1/4	1
01V P0 7 CC 04 N	5/3 CC	NPTF 3/8	1
01V P0 7 CC 05 N	5/3 CC	NPTF 1/2	1
01V P0 7 OC 02 N	5/3 OC	NPTF 1/8	1
01V P0 7 OC 03 N	5/3 OC	NPTF 1/4	1
01V P0 7 OC 04 N	5/3 OC	NPTF 3/8	1
01V P0 7 OC 05 N	5/3 OC	NPTF 1/2	1
01V P0 7 PC 02 N	5/3 PC	NPTF 1/8	1
01V P0 7 PC 03 N	5/3 PC	NPTF 1/4	1
01V P0 7 PC 04 N	5/3 PC	NPTF 3/8	1
01V P0 7 PC 05 N	5/3 PC	NPTF 1/2	1

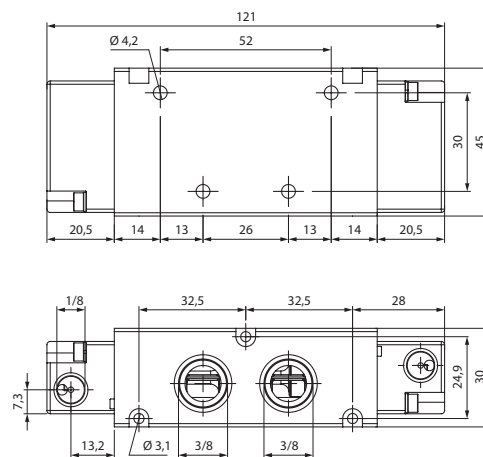
G 1/8 - NPTF 1/8



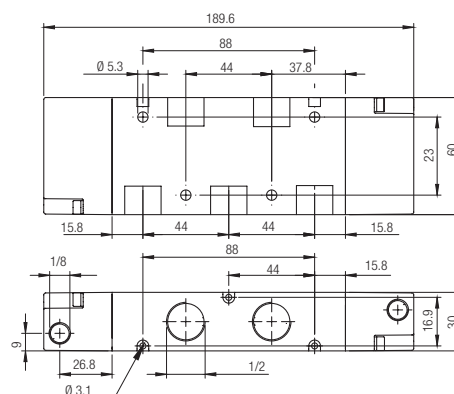
G 1/4 - NPTF 1/4



NPTF 3/8



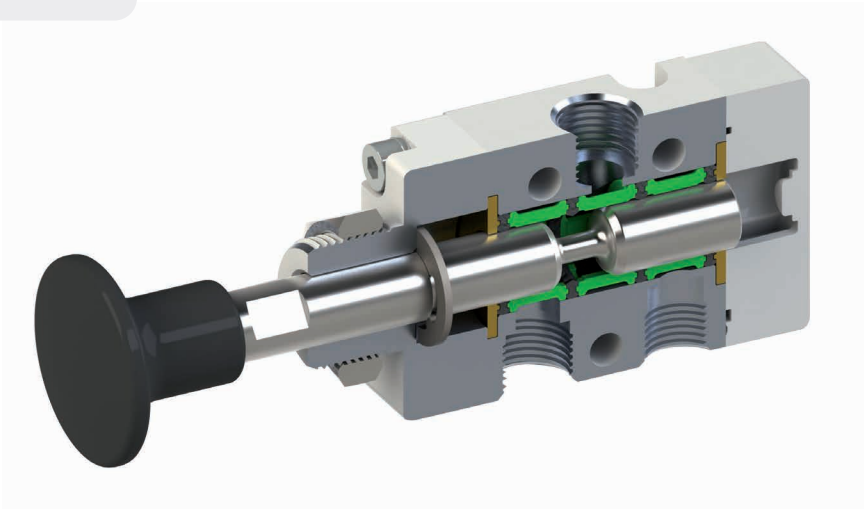
G 1/2 - NPTF 1/2



MANUAL VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH

2011/65/CE
RoHS

PED
2014/68/UE

ATEX
2014/34/UE



Component Parts and Materials

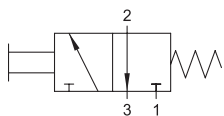
- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

		1/8	1/4
	THREAD	G 1/8 NPTF 1/8	G 1/4 NPTF 1/4
	6 bar FLOW RATE with Δp 1 bar	740 NI/min	1200 NI/min
	OPERATING PRESSURE	Vacuum ÷ 10 bar Vacuum ÷ 145 psi	
	TEMPERATURE	min	-10 °C 14 °F
		max	+60 °C 140 °F
	PANEL MOUNT	M 16x1	

Series	Actuation	Reactuation	Function	Size	Thread
0 1 V	T	0	3	0 2	
T = Button L = 90° Lever F = Front lever 0 = Monostable spring return 1 = Bistable 2 = Stable in 3 positions 3 = 3/2 5 = 5/2 7 = 5/3 NO = Normally open NC = Normally closed CC = All Ports Blocked OC = Cylinder Ports Open to Exhaust PC = Cylinder Ports Pressurized 00 = Function not provided 02 = 1/8 03 = 1/4 = G N = NPTF					

3/2

BUTTON OPERATED - SPRING RETURN

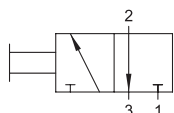


Part No.	Function	Size	Pack.
01V T0 3 NC 02	3/2 NC	G 1/8	1
01V T0 3 NC 03	3/2 NC	G 1/4	1

Part No.	Function	Size	Pack.
01V T0 3 NC 02 N	3/2 NC	NPTF 1/8	1
01V T0 3 NC 03 N	3/2 NC	NPTF 1/4	1

3/2

BUTTON OPERATED - PUSH / PULL

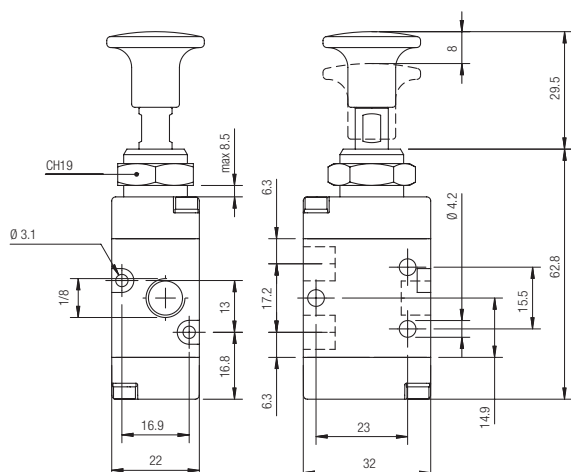


Part No.	Function	Size	Pack.
01V T1 3 00 02	3/2	G 1/8	1
01V T1 3 00 03	3/2	G 1/4	1

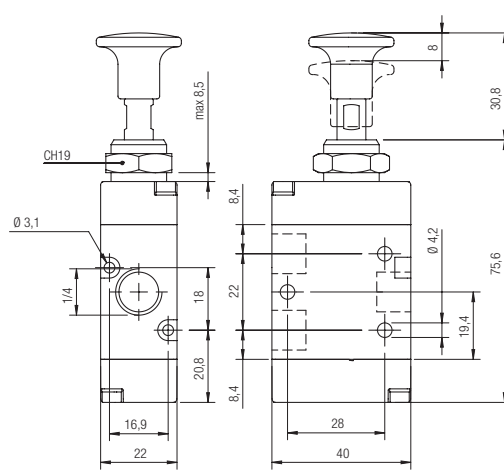
Part No.	Function	Size	Pack.
01V T1 3 00 02 N	3/2	NPTF 1/8	1
01V T1 3 00 03 N	3/2	NPTF 1/4	1



G 1/8 - NPTF 1/8

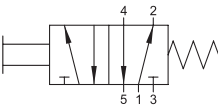


G 1/4 - NPTF 1/4



5/2

BUTTON OPERATED - SPRING RETURN

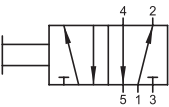


Part No.	Function	Size	Pack.
01V T0 5 00 02	5/2	G 1/8	1
01V T0 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
01V T0 5 00 02 N	5/2	NPTF 1/8	1
01V T0 5 00 03 N	5/2	NPTF 1/4	1

5/2

BUTTON OPERATED - PUSH / PULL

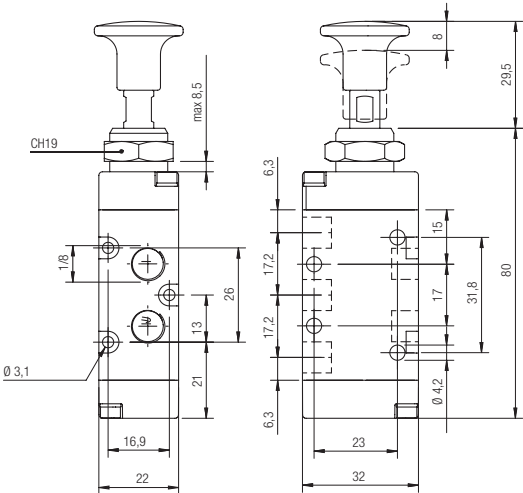


Part No.	Function	Size	Pack.
01V T1 5 00 02	5/2	G 1/8	1
01V T1 5 00 03	5/2	G 1/4	1

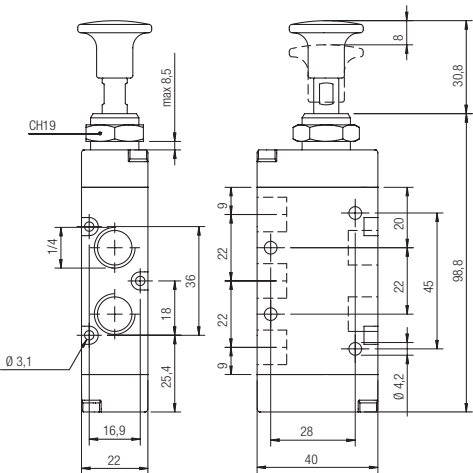
Part No.	Function	Size	Pack.
01V T1 5 00 02 N	5/2	NPTF 1/8	1
01V T1 5 00 03 N	5/2	NPTF 1/4	1



G 1/8 - NPTF 1/8

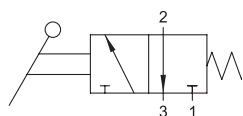


G 1/4 - NPTF 1/4



3/2

LEVER OPERATED - SPRING RETURN

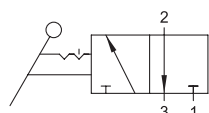


Part No.	Function	Size	Pack.
01V L0 3 NC 02	3/2 NC	G 1/8	1
01V L0 3 NC 03	3/2 NC	G 1/4	1

Part No.	Function	Size	Pack.
01V L0 3 NC 02 N	3/2 NC	NPTF 1/8	1
01V L0 3 NC 03 N	3/2 NC	NPTF 1/4	1

3/2

LEVER OPERATED - PUSH / PULL

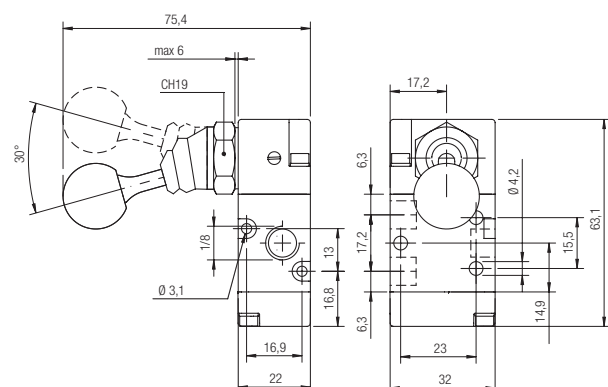


Part No.	Function	Size	Pack.
01V L1 3 00 02	3/2	G 1/8	1
01V L1 3 00 03	3/2	G 1/4	1

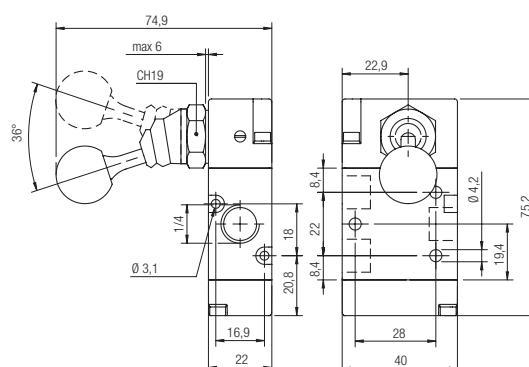
Part No.	Function	Size	Pack.
01V L1 3 00 02 N	3/2	NPTF 1/8	1
01V L1 3 00 03 N	3/2	NPTF 1/4	1



G 1/8 - NPTF 1/8

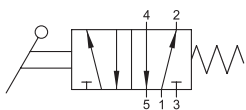


G 1/4 - NPTF 1/4



5/2

LEVER OPERATED - SPRING RETURN



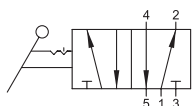
Part No.	Function	Size	Pack.
01V L0 5 00 02	5/2	G 1/8	1
01V L0 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
01V L0 5 00 02 N	5/2	NPTF 1/8	1
01V L0 5 00 03 N	5/2	NPTF 1/4	1



5/2

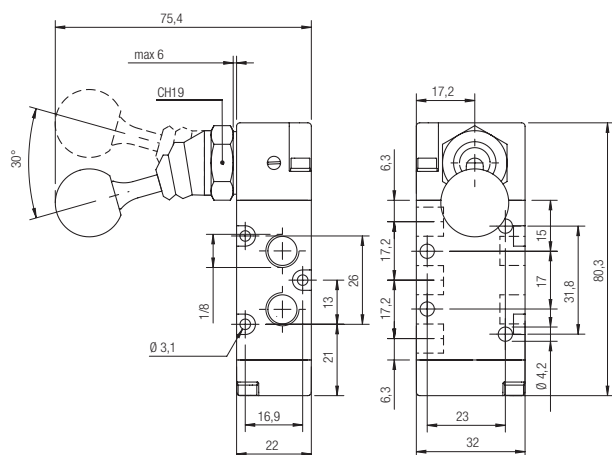
LEVER OPERATED - PUSH / PULL



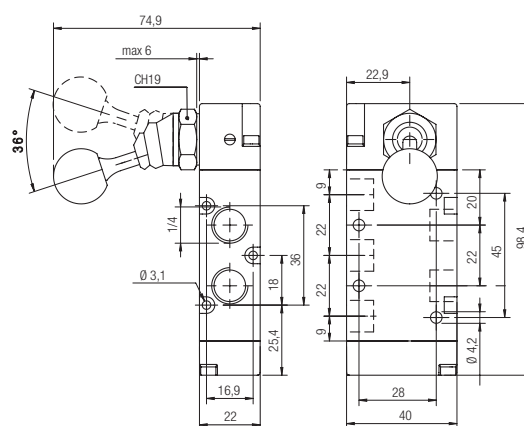
Part No.	Function	Size	Pack.
01V L1 5 00 02	5/2	G 1/8	1
01V L1 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
01V L1 5 00 02 N	5/2	NPTF 1/8	1
01V L1 5 00 03 N	5/2	NPTF 1/4	1

G 1/8 - NPTF 1/8

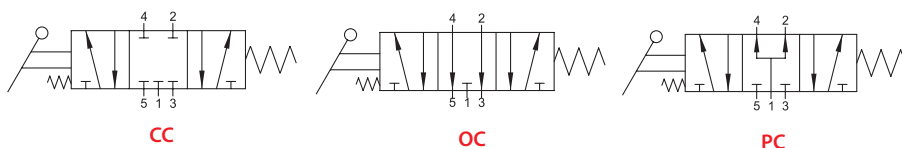


G 1/4 - NPTF 1/4



5/3

LEVER OPERATED - SPRING CENTERED



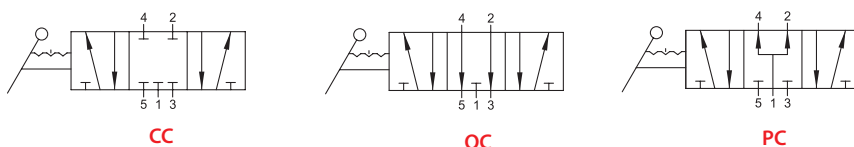
Part No.	Function	Size	Pack.
01V L0 7 CC 02	5/3 CC	G 1/8	1
01V L0 7 CC 03	5/3 CC	G 1/4	1
01V L0 7 OC 02	5/3 OC	G 1/8	1
01V L0 7 OC 03	5/3 OC	G 1/4	1
01V L0 7 PC 02	5/3 PC	G 1/8	1
01V L0 7 PC 03	5/3 PC	G 1/4	1

Part No.	Function	Size	Pack.
01V L0 7 CC 02 N	5/3 CC	NPTF 1/8	1
01V L0 7 CC 03 N	5/3 CC	NPTF 1/4	1
01V L0 7 OC 02 N	5/3 OC	NPTF 1/8	1
01V L0 7 OC 03 N	5/3 OC	NPTF 1/4	1
01V L0 7 PC 02 N	5/3 PC	NPTF 1/8	1
01V L0 7 PC 03 N	5/3 PC	NPTF 1/4	1



5/3

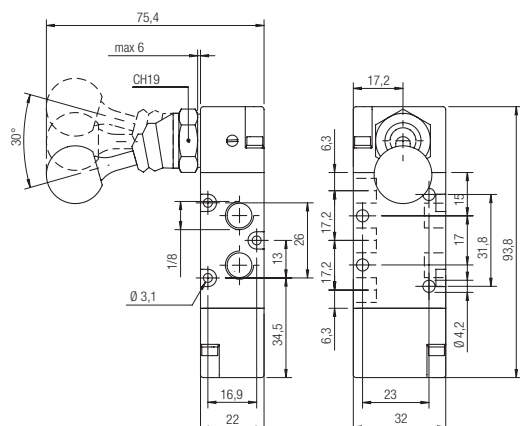
LEVER OPERATED - PUSH / PULL



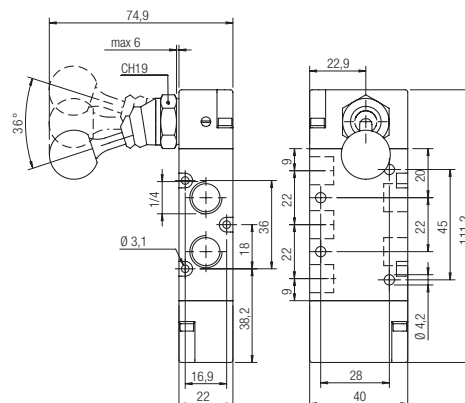
Part No.	Function	Size	Pack.
01V L2 7 CC 02	5/3 CC	G 1/8	1
01V L2 7 CC 03	5/3 CC	G 1/4	1
01V L2 7 OC 02	5/3 OC	G 1/8	1
01V L2 7 OC 03	5/3 OC	G 1/4	1
01V L2 7 PC 02	5/3 PC	G 1/8	1
01V L2 7 PC 03	5/3 PC	G 1/4	1

Part No.	Function	Size	Pack.
01V L2 7 CC 02 N	5/3 CC	NPTF 1/8	1
01V L2 7 CC 03 N	5/3 CC	NPTF 1/4	1
01V L2 7 OC 02 N	5/3 OC	NPTF 1/8	1
01V L2 7 OC 03 N	5/3 OC	NPTF 1/4	1
01V L2 7 PC 02 N	5/3 PC	NPTF 1/8	1
01V L2 7 PC 03 N	5/3 PC	NPTF 1/4	1

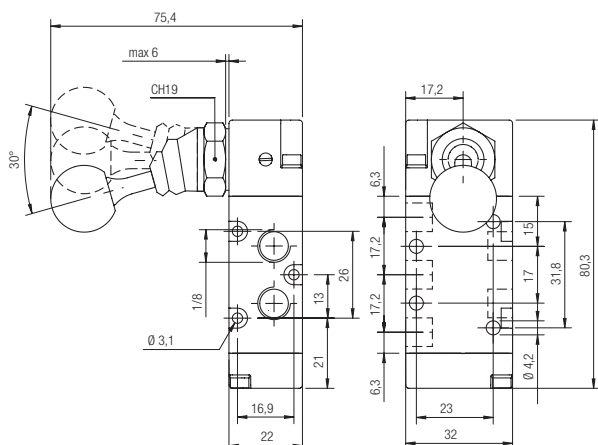
01V L0 7 CC 02 01V L0 7 OC 02 01V L0 7 PC 02
01V L0 7 CC 02 N 01V L0 7 OC 02 N 01V L0 7 PC 02 N



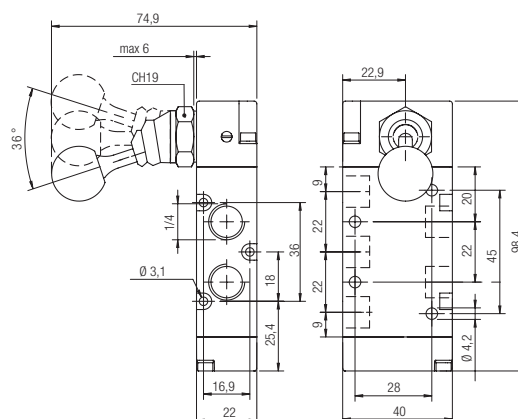
01V L0 7 CC 03 01V L0 7 OC 03 01V L0 7 PC 03
01V L0 7 CC 03 N 01V L0 7 OC 03 N 01V L0 7 PC 03 N



01V L2 7 CC 02 01V L2 7 OC 02 01V L2 7 PC 02
01V L2 7 CC 02 N 01V L2 7 OC 02 N 01V L2 7 PC 02 N



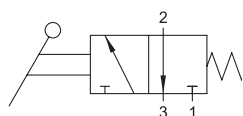
01V L2 7 CC 03 01V L2 7 OC 03 01V L2 7 PC 03
01V L2 7 CC 03 N 01V L2 7 OC 03 N 01V L2 7 PC 03 N



3/2

LEVER OPERATED - SPRING RETURN

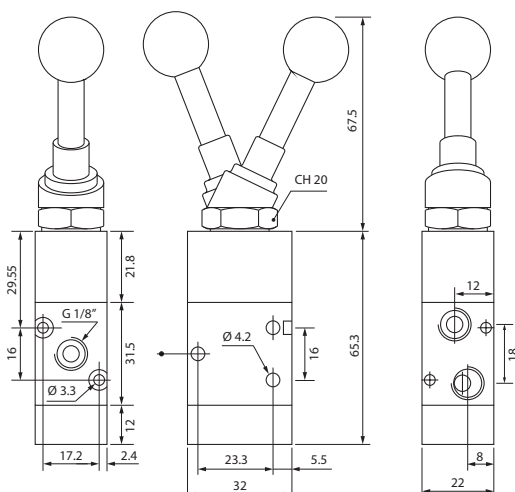
FRONT LEVER VALVE



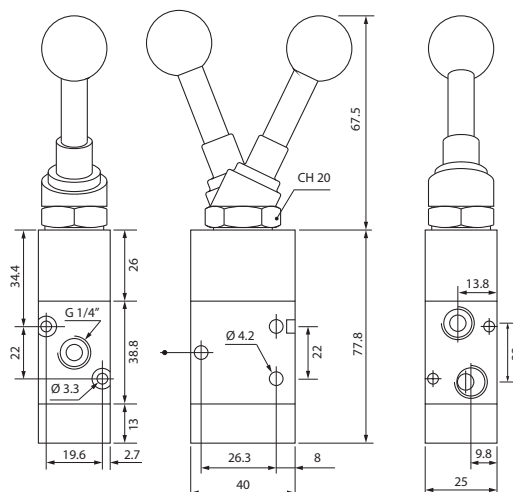
Part No.	Function	Size	Pack.
01V F1 3 00 02	3/2 NC	G 1/8	1
01V F1 3 00 03	3/2 NC	G 1/4	1



01V F1 3 00 02



01V F1 3 00 03



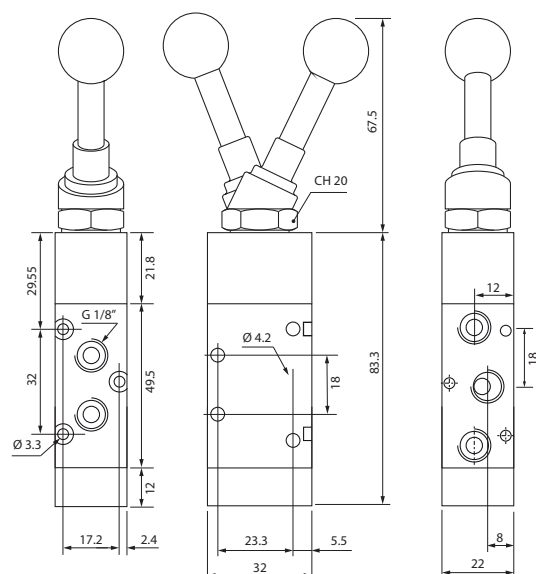
LEVER OPERATED - SPRING RETURN

A diagram of a rectangular box. A diagonal line runs from the bottom-left corner to the top-right corner. A vertical line runs from the top edge to the bottom edge, intersecting the diagonal line. The top-right corner is labeled '2'. The bottom-left corner is labeled '1'. The bottom-right corner is labeled '3'. A small circle is attached to the top-left corner of the box. A wavy line is attached to the right side of the box.

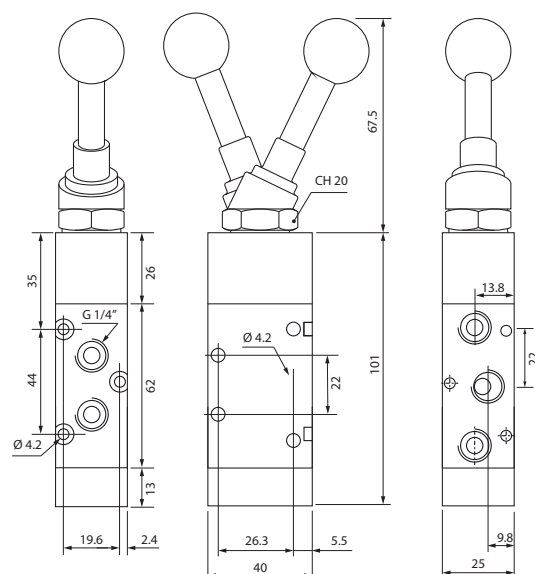
Part No.	Function	Size	Pack.
01V F1 5 00 02	5/2	G 1/8	1
01V F1 5 00 03	5/2	G 1/4	1



01V F1 5 00 02



01V F1 5 00 03



STAINLESS STEEL AISI 316 L 90° LEVER VALVE

AISI 316L



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE



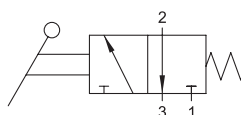
Component Parts and Materials

- Stainless Steel 316 L (1.4404) body
- Stainless Steel 316 L (1.4404) spool
- PUR seals and FKM O-Ring

		1/4
	THREAD	G 1/4
	OPERATING PRESSURE	1 ÷ 10 bar
	ACTIVATION FORCE	20 N

3/2 Ways

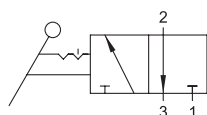
MONOSTABLE SPRING RETURN



Part No.	Function	Size	Pack.
X1V L0 3 NC 03	3/2 NC	G 1/4	1

3/2 Ways

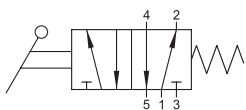
TWO STABLE POSITIONS



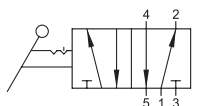
Part No.	Function	Size	Pack.
X1V L1 3 00 03	3/2	G 1/4	1



MONOSTABLE SPRING RETURN



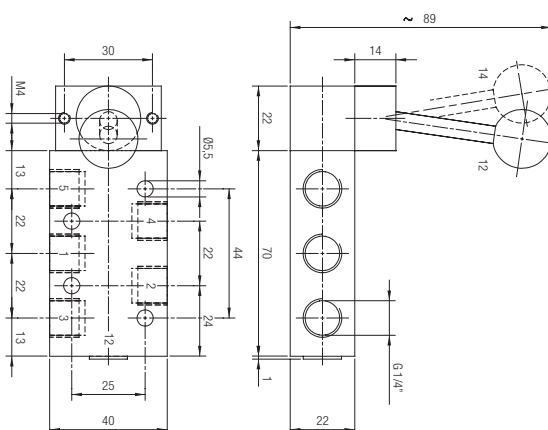
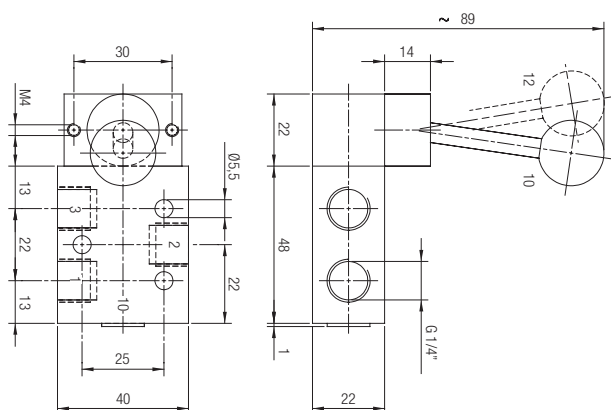
TWO STABLE POSITIONS



Part No.	Function	Size	Pack.
X1V L1 5 00 03	5/2	G 1/4	1

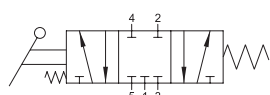


X1V L0 5 00 03 X1V L1 5 00 03

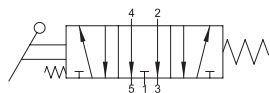


5/3 Ways

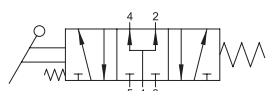
MONOSTABLE SPRING RETURN



CC



OC



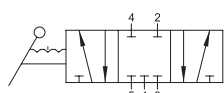
PC

Part No.	Function	Size	Pack.
X1V L0 7 CC 03	5/3 CC	G 1/4	1
X1V L0 7 OC 03	5/3 OC	G 1/4	1
X1V L0 7 PC 03	5/3 PC	G 1/4	1

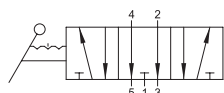


5/3 Ways

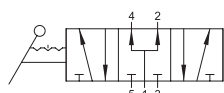
3 STABLE POSITIONS



CC



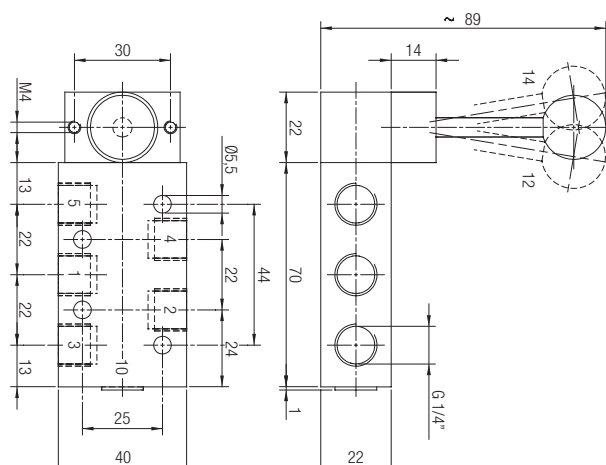
OC



PC

Part No.	Function	Size	Pack.
X1V L2 7 CC 03	5/3 CC	G 1/4	1
X1V L2 7 OC 03	5/3 OC	G 1/4	1
X1V L2 7 PC 03	5/3 PC	G 1/4	1

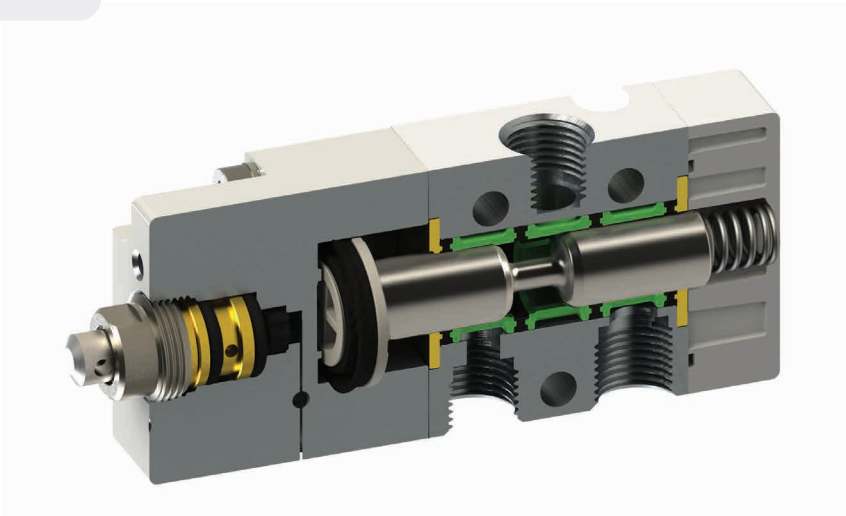
X1V L0 7 CC 03 X1V L0 7 OC 03 X1V L0 7 PC 03
X1V L2 7 CC 03 X1V L2 7 OC 03 X1V L2 7 PC 03



MECHANICALLY ACTUATED / SPRING RETURN VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

- 1907/2006
REACH✓
- 2011/65/CE
RoHS✓
- PED
2014/68/UE
- ATEX
2014/34/UE



Component Parts and Materials

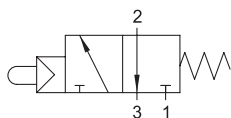
- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

		1/8
	THREAD	G 1/8 NPTF 1/8
	6 bar FLOW RATE with Δp 1 bar	740 NI/min
	OPERATING PRESSURE	2 ÷ 10 bar 29 ÷ 145 psi
	DRIVING FORCE	5.8 N
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 14 °F

Series	Actuation	Reactuation	Function	Size	Thread
0 1 V	V	0	3	0 2	
V = Servo-piloted tappet N = Servo-piloted Whisker 0 = Monostable spring return 3 = 3/2 5 = 5/2 NC = Normally closed 00 = Function not provided 02 = 1/8 = G N = NPTF					

3/2

SERVO-PILOTED TAPPET - SPRING RETURN

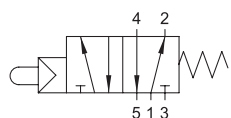


Part No.	Function	Size	Pack.
01V V0 3 NC 02	3/2 NC	G 1/8	1

Part No.	Function	Size	Pack.
01V V0 3 NC 02 N	3/2 NC	NPTF 1/8	1

5/2

SERVO-PILOTED TAPPET - SPRING RETURN



Part No.	Function	Size	Pack.
01V V0 5 00 02	5/2	G 1/8	1

Part No.	Function	Size	Pack.
01V V0 5 00 02 N	5/2	NPTF 1/8	1

SERVO-PILOTED TAPPET VALVES - SPRING RETURN



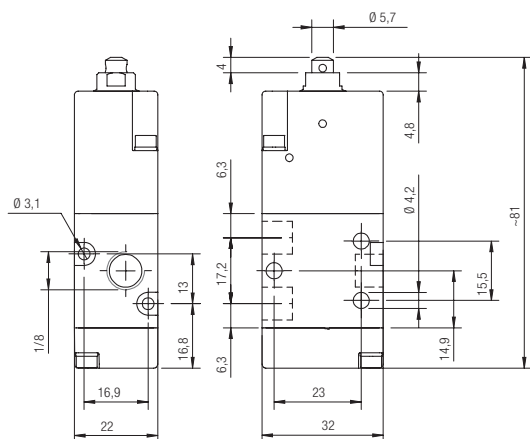
04V 01 0 00 01



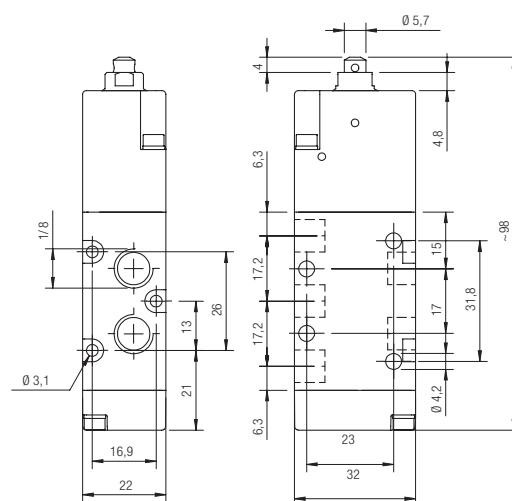
04V 06 0 00 01

The servo-piloted valve actuators are designed for panel mounting.
For interfaces, refer to the buttons and switches in Series 04V Pg. 45.

01V V0 3 NC 02 01V V0 3 NC 02 N

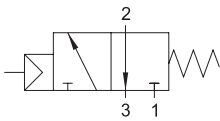


01V V0 5 00 02 01V V0 5 00 02 N



3/2

SERVO-PILOTED WHISKER - SPRING RETURN



Part No.	Function	Size	Pack.
01V N0 3 NC 02	3/2 NC	G 1/8	1

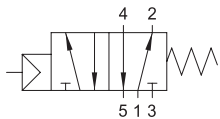
Part No.	Function	Size	Pack.
01V N0 3 NC 02 N	3/2 NC	NPTF 1/8	1

SERVO-PILOTED WHISKER - SPRING RETURN VALVES



5/2

SERVO-PILOTED WHISKER - SPRING RETURN

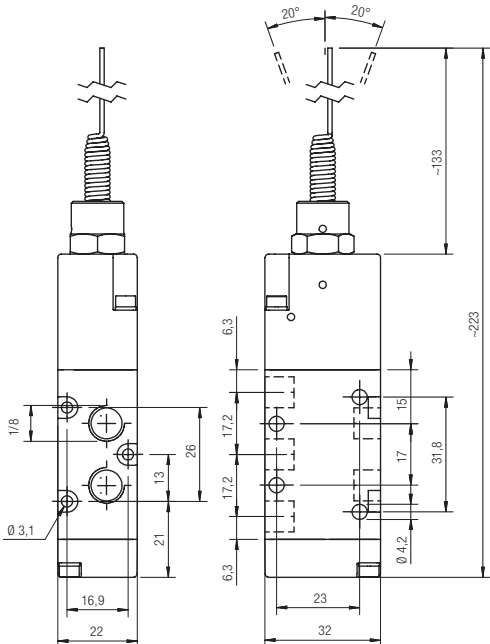
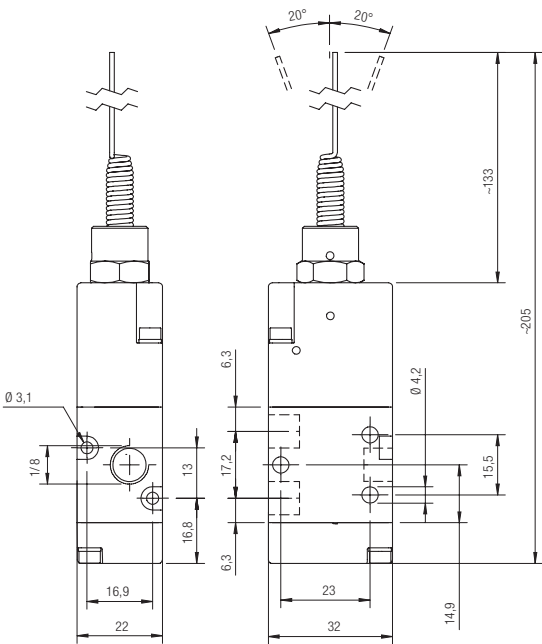


Part No.	Function	Size	Pack.
01V N0 5 00 02	5/2	G 1/8	1

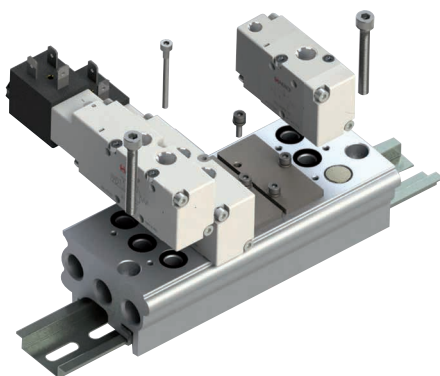
Part No.	Function	Size	Pack.
01V N0 5 00 02 N	5/2	NPTF 1/8	1

01V N0 3 NC 02 01V N0 3 NC 02 N

01V N0 5 00 02 01V N0 5 00 02 N



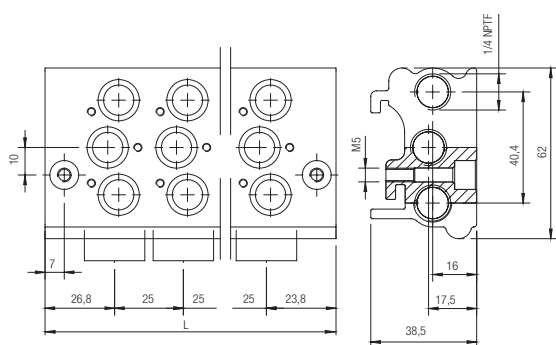
DIN RAIL MOUNTED FIXED LENGTH MANIFOLD BASES - NPTF



The bases are supplied with screws and O-Ring for attachment of the valves.

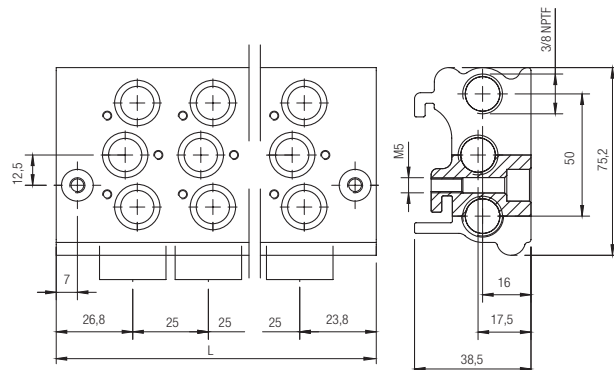
MANIFOLD BASE FOR VALVES 01V - 1/8 NPTF

Part Number	Stations	L	Pack.
01V B0 0 00 02 N	2	76	1
01V B0 0 00 03 N	3	101	1
01V B0 0 00 04 N	4	126	1
01V B0 0 00 05 N	5	151	1
01V B0 0 00 06 N	6	176	1
01V B0 0 00 07 N	7	201	1
01V B0 0 00 08 N	8	226	1
01V B0 0 00 09 N	9	251	1
01V B0 0 00 10 N	10	276	1

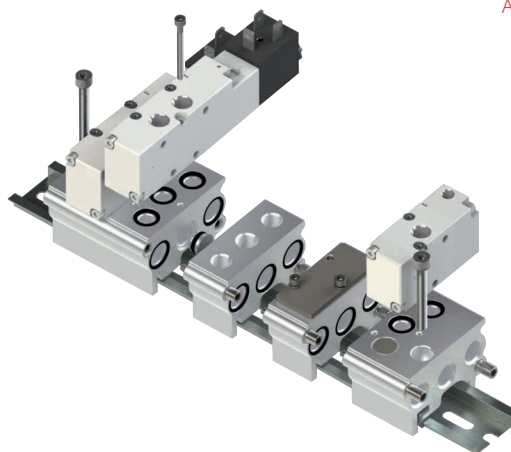


MANIFOLD BASE FOR VALVES 01V - 1/4 NPTF

Part Number	Stations	L	Pack.
01V B0 1 00 02 N	2	76	1
01V B0 1 00 03 N	3	101	1
01V B0 1 00 04 N	4	126	1
01V B0 1 00 05 N	5	151	1
01V B0 1 00 06 N	6	176	1
01V B0 1 00 07 N	7	201	1
01V B0 1 00 08 N	8	226	1
01V B0 1 00 09 N	9	251	1
01V B0 1 00 10 N	10	276	1



DIN RAIL MOUNTED MODULAR BASES - NPTF



All the bases are supplied with screws and seals to secure the correct assembly.

FRONT MANIFOLD END PLATE



Part Number	Size	Pack.
01V B1 0 00 00 N	1/8 NPTF	1
01V B1 0 00 01 N	1/4 NPTF	1

MODULAR BASE



Part Number	Size	Pack.
01V B3 0 00 00 N	1/8 NPTF	1
01V B3 0 00 01 N	1/4 NPTF	1

REAR MANIFOLD END PLATE



Part Number	Size	Pack.
01V B2 0 00 00 N	1/8 NPTF	1
01V B2 0 00 01 N	1/4 NPTF	1

INTERMEDIATE PRESSURE BASE



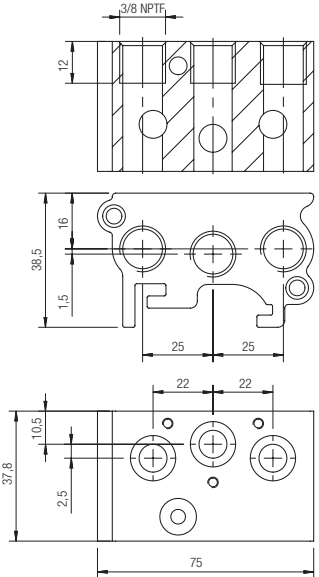
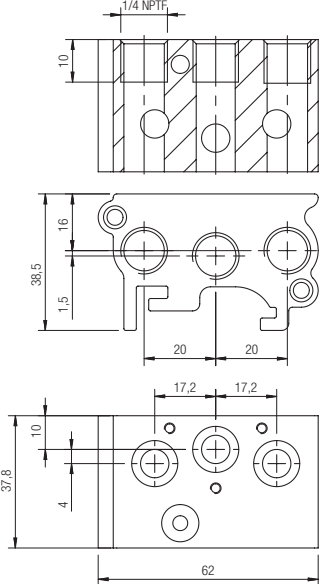
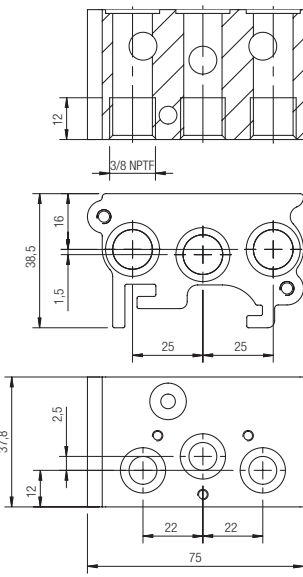
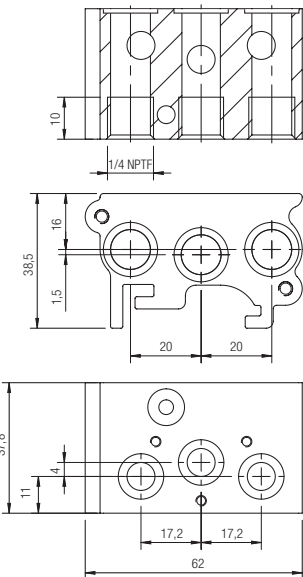
Part Number	Size	Pack.
01V B4 0 00 00 N	1/8 NPTF	1
01V B4 0 00 01 N	1/4 NPTF	1

01V B1 0 00 00 N

01V B1 0 00 01 N

01V B2 0 00 00 N

01V B2 0 00 01 N

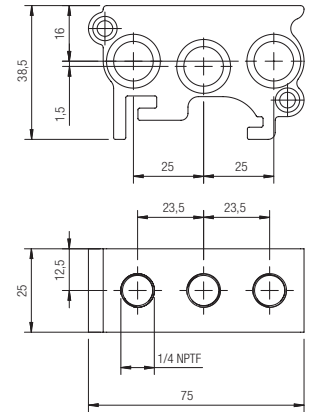
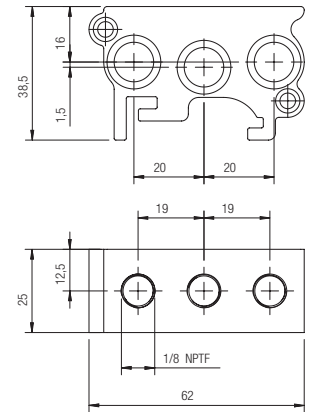
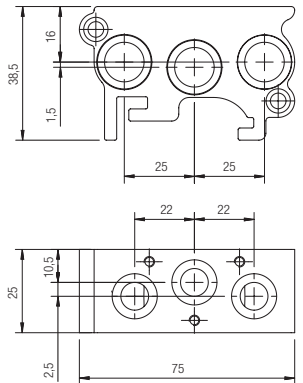
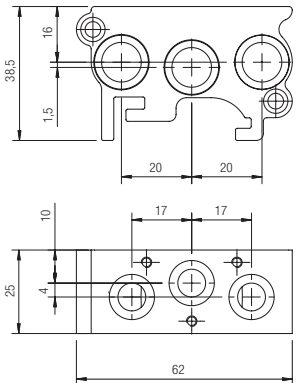


01V B3 0 00 00 N

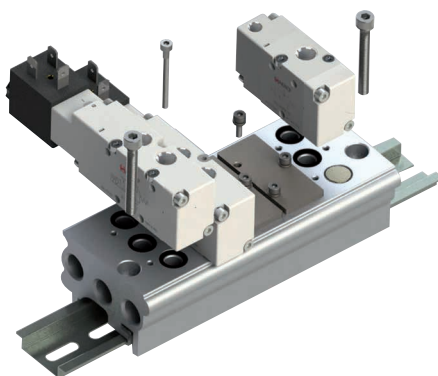
01V B3 0 00 01 N

01V B4 0 00 00 N

01V B4 0 00 01 N



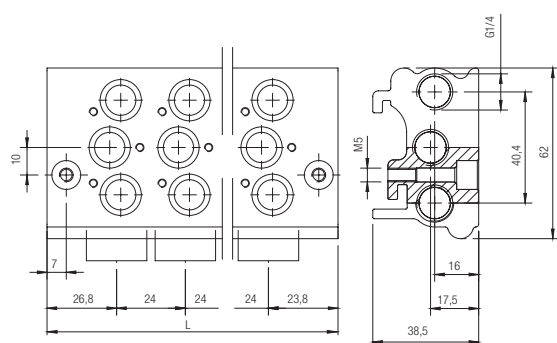
DIN RAIL MOUNTED FIXED LENGTH MANIFOLD BASES



The bases are supplied with screws and O-Ring for attachment of the valves.

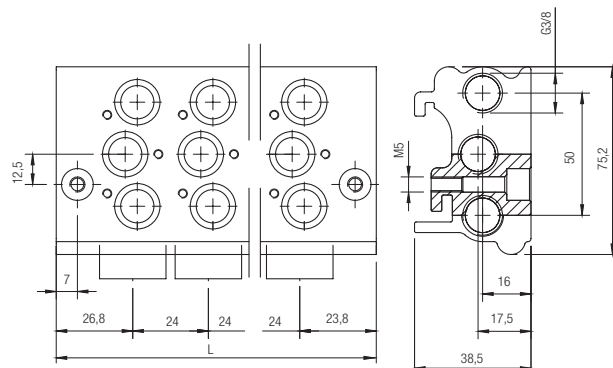
MANIFOLD BASE FOR VALVES 01V - G1/8

Part Number	Stations	L	Pack.
01V B0 0 00 02	2	75	1
01V B0 0 00 03	3	99	1
01V B0 0 00 04	4	123	1
01V B0 0 00 05	5	147	1
01V B0 0 00 06	6	171	1
01V B0 0 00 07	7	195	1
01V B0 0 00 08	8	219	1
01V B0 0 00 09	9	243	1
01V B0 0 00 10	10	267	1

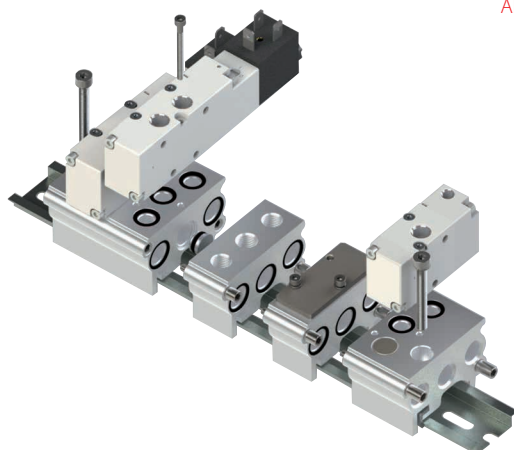


MANIFOLD BASE FOR VALVES 01V - G1/4

Part Number	Stations	L	Pack.
01V B0 1 00 02	2	75	1
01V B0 1 00 03	3	99	1
01V B0 1 00 04	4	123	1
01V B0 1 00 05	5	147	1
01V B0 1 00 06	6	171	1
01V B0 1 00 07	7	195	1
01V B0 1 00 08	8	219	1
01V B0 1 00 09	9	243	1
01V B0 1 00 10	10	267	1



DIN RAIL MOUNTED MODULAR BASES



All the bases are supplied with screws and seals to secure the correct assembly.

FRONT MANIFOLD END PLATE



Part Number	Size	Pack.
01V B1 0 00 00	G 1/8	1
01V B1 0 00 01	G 1/4	1

REAR MANIFOLD END PLATE



Part Number	Size	Pack.
01V B2 0 00 00	G 1/8	1
01V B2 0 00 01	G 1/4	1

MODULAR BASE



Part Number	Size	Pack.
01V B3 0 00 00	G 1/8	1
01V B3 0 00 01	G 1/4	1

INTERMEDIATE PRESSURE BASE



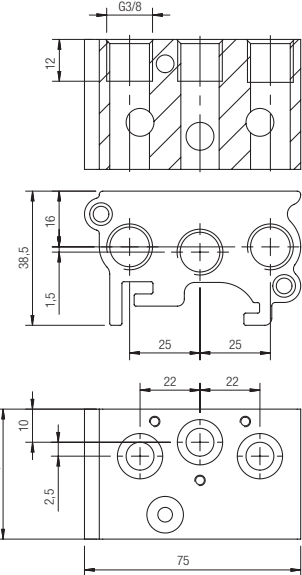
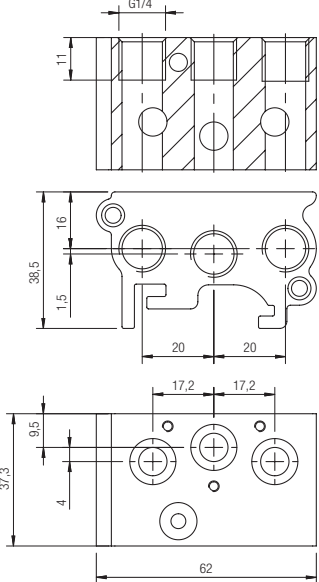
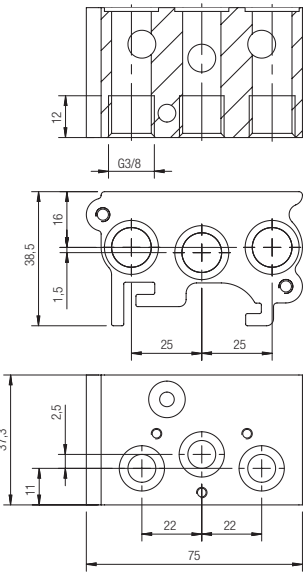
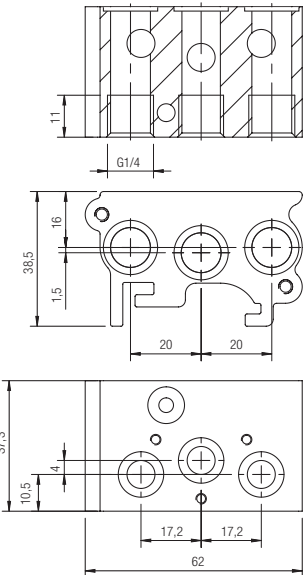
Part Number	Size	Pack.
01V B4 0 00 00	G 1/8	1
01V B4 0 00 01	G 1/4	1

01V B1 0 00 00

01V B1 0 00 01

01V B2 0 00 00

01V B2 0 00 01

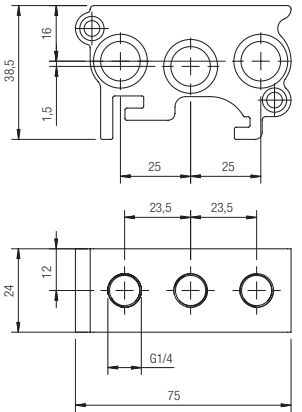
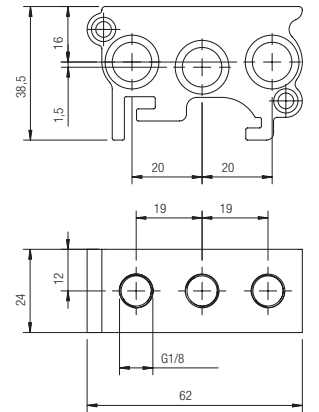
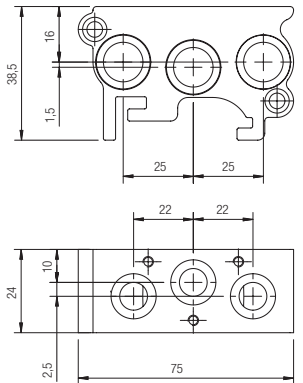
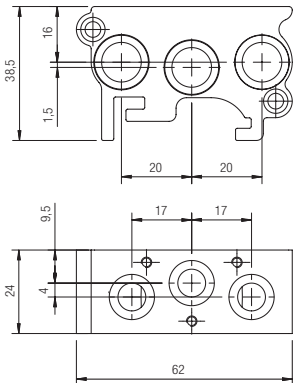


01V B3 0 00 00

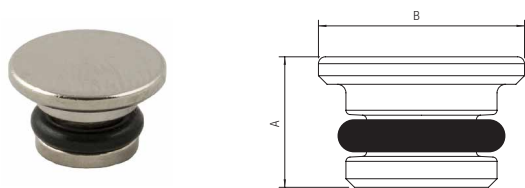
01V B3 0 00 01

01V B4 0 00 00

01V B4 0 00 01

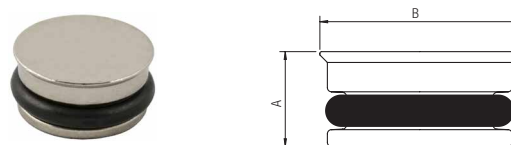


PLUG FOR 3 WAY VALVE CONNECTION



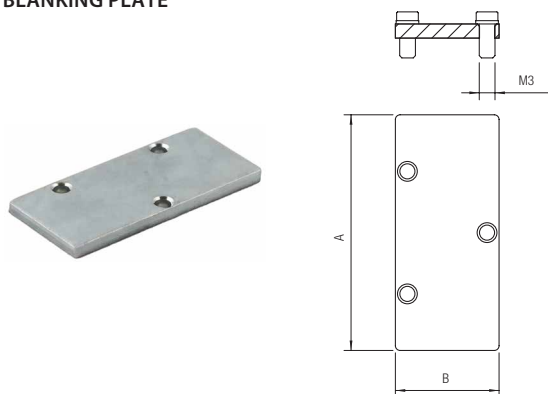
Part No.	Size	A	B	Pack.
01V B6 0 00 00	1/8	7.5	12	1
01V B6 0 00 01	1/4	7.5	14	1

INTERMEDIATE PLUG FOR MODULAR BASE



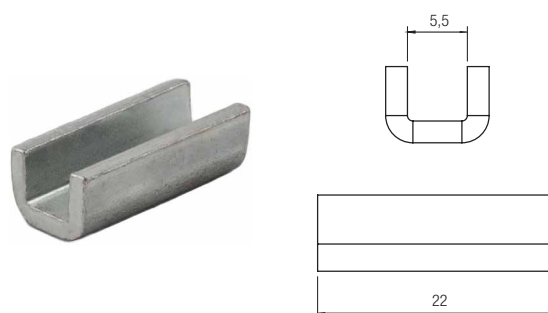
Part No.	Size	A	B	Pack.
01V B8 0 00 00	1/8	7.5	12	1
01V B8 0 00 01	1/4	7.5	14	1

BLANKING PLATE

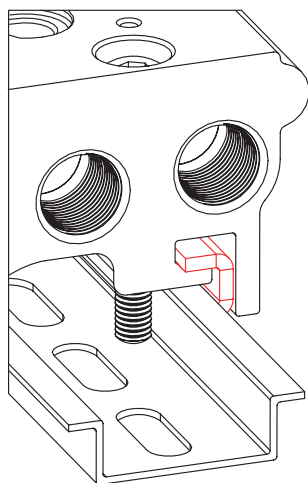


Part No.	Size	A	B	Pack.
01V B9 0 00 00	1/8	50	22	1
01V B9 0 00 01	1/4	62	22	1

OMEGA BAR BRACKET



Part No.	Size	Pack.
01V B7 0 00 00	1/8 - 1/4	2



TECHNICAL CHARACTERISTICS	
TYPE OF MOUNTING	SCREW
WITH EN 50222 OMEGA BAR THICKNESS - 15 mm	M5 x 40
WITH EN 50222 OMEGA BAR THICKNESS - 7.5 mm	M5 x 35
DIRECT ON BASE	M4 x 40

MICRO VALVES

A20



MECHANICALLY ACTUATED MICRO VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE


Component Parts and Materials

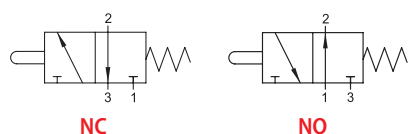
- Anodised aluminium body
- Stainless Steel Spring
- NBR seals

		M5
	THREAD	M5
	6 bar FLOW RATE with Δp 1 bar	100 NI/min
	OPERATING PRESSURE	2 ÷ 10 bar 29 ÷ 145 psi
	DRIVING FORCE	6 N
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 140 °F

Series	Actuation	Reactuation	Function	Size
0 2 V	G	0	3	N C
	G = Tappet R = Short Roller U = Uni-directional Roller E = Panel Mounting Tappet Microvalve	0 = Monostable spring return	3 = 3/2 NO = Normally open NC = Normally closed	B5 = M5 (metric)

3/2

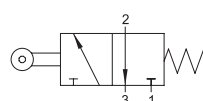
TAPPET - SPRING RETURN



Part No.	Function	Size	Pack.
02V G0 3 NC B5	3/2 NC	M5 (metric)	1
02V G0 3 NO B5	3/2 NO	M5 (metric)	1

3/2

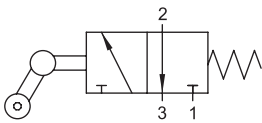
SHORT ROLLER - SPRING RETURN



Part No.	Function	Size	Pack.
02V R0 3 NC B5	3/2 NC	M5 (metric)	1

3/2

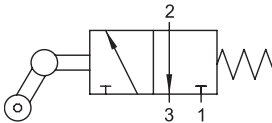
UNI-DIRECTIONAL ROLLER - SPRING RETURN



Part No.	Function	Size	Pack.
02V U0 3 NC B5	3/2 NC	M5 (metric)	1

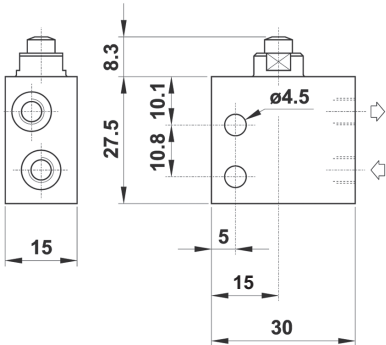
3/2

PANEL MOUNTING TAPPET MICROVALVE - SPRING RETURN

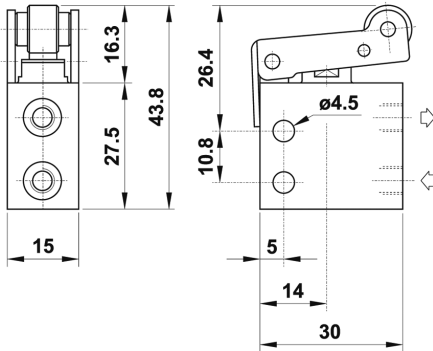


Part No.	Function	Size	Pack.
02V E0 3 NC B5	3/2 NC	M5 (metric)	1

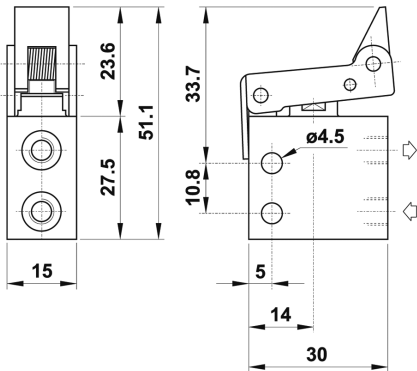
02V G0 3 NC B5



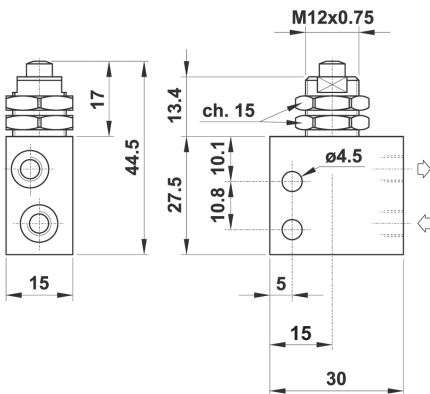
02V R0 3 NC B5



02V U0 3 NC B5



02V E0 3 NC B5



16 MM VALVES - MECHANICAL AND MANUAL OPERATORS



16 MM VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH✓

2011/65/CE

PED
2014/68/UE



Component Parts and Materials

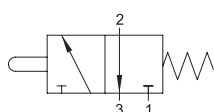
- Anodised aluminium body
- Stainless Steel Spring
- NBR seals

		1/8
	THREAD	G 1/8
	6 bar FLOW RATE with Δp 1 bar	350 l/min
	OPERATING PRESSURE	2 ÷ 10 bar 29 ÷ 145 psi
	TEMPERATURE	min -10 °C 14 °F max +60 °C 140 °F

Series	Actuation	Reactuation	Function	Size
0 3 V	G	0	3	N C
	G = Tappet R = Short Roller H = Lever operated Z = Long Roller	0 = Monostable spring return	3 = 3/2 5 = 5/2	NC = Normally closed 00 = Function not provided
				02 = 1/8

3/2

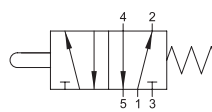
TAPPET - SPRING RETURN



Part No.	Function	Size	Driving Force	Pack.
03V G0 3 NC 02	3/2 NC	G 1/8	19.6 N	1

5/2

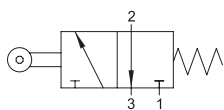
TAPPET - SPRING RETURN



Part No.	Function	Size	Driving Force	Pack.
03V G0 5 00 02	5/2	G 1/8	39.2 N	1

3/2

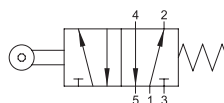
SHORT ROLLER - SPRING RETURN



Part No.	Function	Size	Driving Force	Pack.
03V R0 3 NC 02	3/2 NC	G 1/8	9.8 N	1

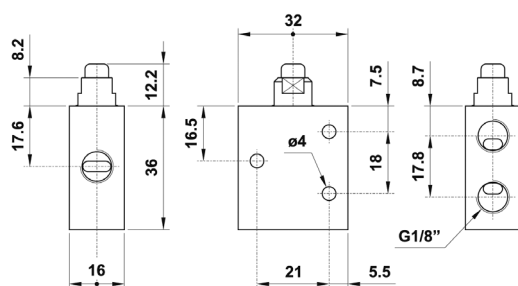
5/2

SHORT ROLLER - SPRING RETURN

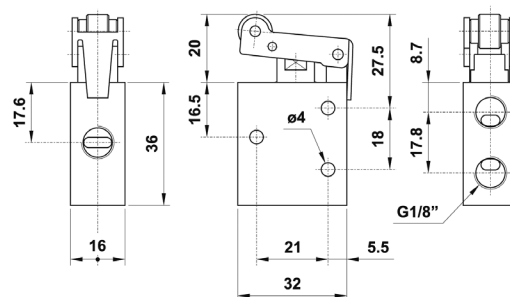


Part No.	Function	Size	Driving Force	Pack.
03V R0 5 00 02	5/2	G 1/8	21.5 N	1

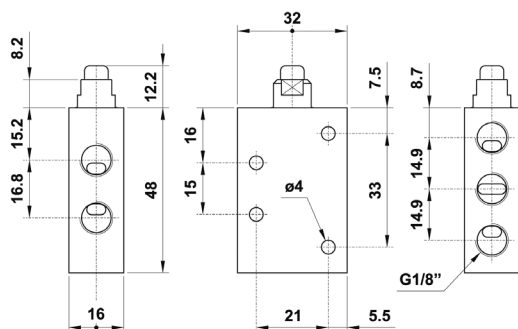
03V G0 3 NC 02



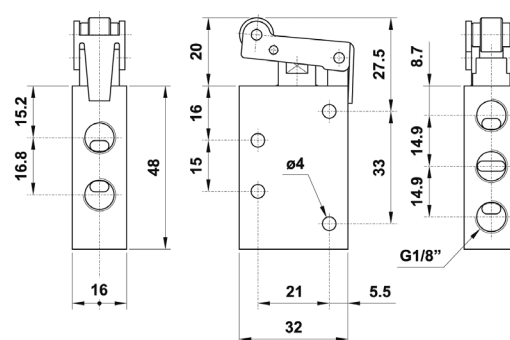
03V R0 3 NC 02



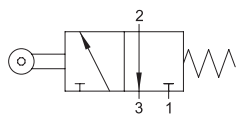
03V G0 5 00 02



03V R0 5 00 02

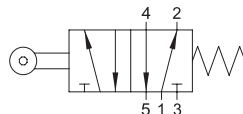


LONG ROLLER - SPRING RETURN



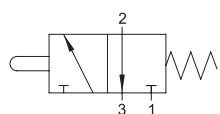
Part No.	Function	Size	Driving Force	Pack.
03V Z0 3 NC 02	3/2 NC	G 1/8	8.3 N	1

LONG ROLLER - SPRING RETURN



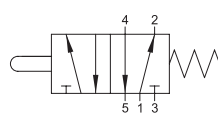
Part No.	Function	Size	Driving Force	Pack.
03V Z0 5 00 02	5/2	G 1/8	14.2 N	1

LEVER OPERATED - SPRING RETURN



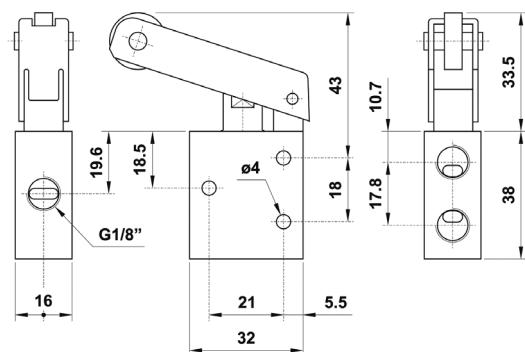
Part No.	Function	Size	Driving Force	Pack.
03V H0 3 NC 02	3/2 NC	G 1/8	7.8 N	1

LEVER OPERATED - SPRING RETURN

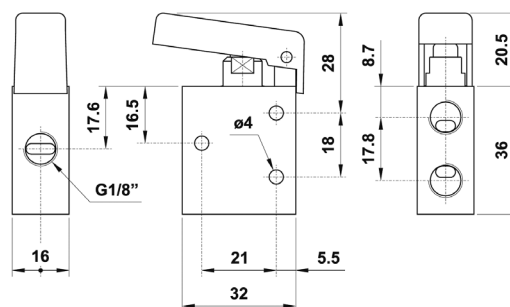


Part No.	Function	Size	Driving Force	Pack.
03V H0 5 00 02	5/2	G 1/8	14.7 N	1

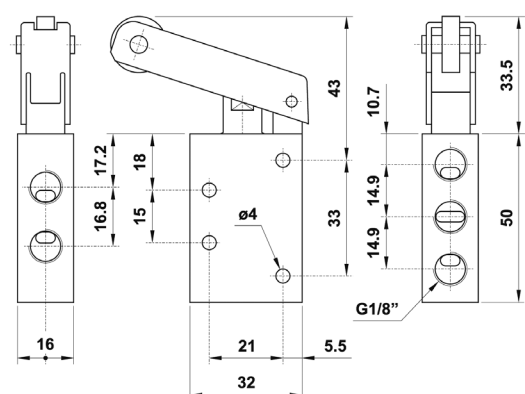
03V Z0 3 NC 02



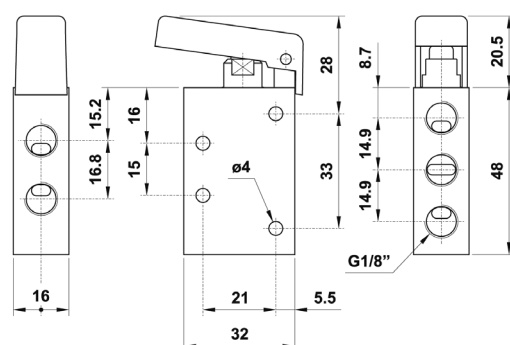
03V H0 3 NC 02



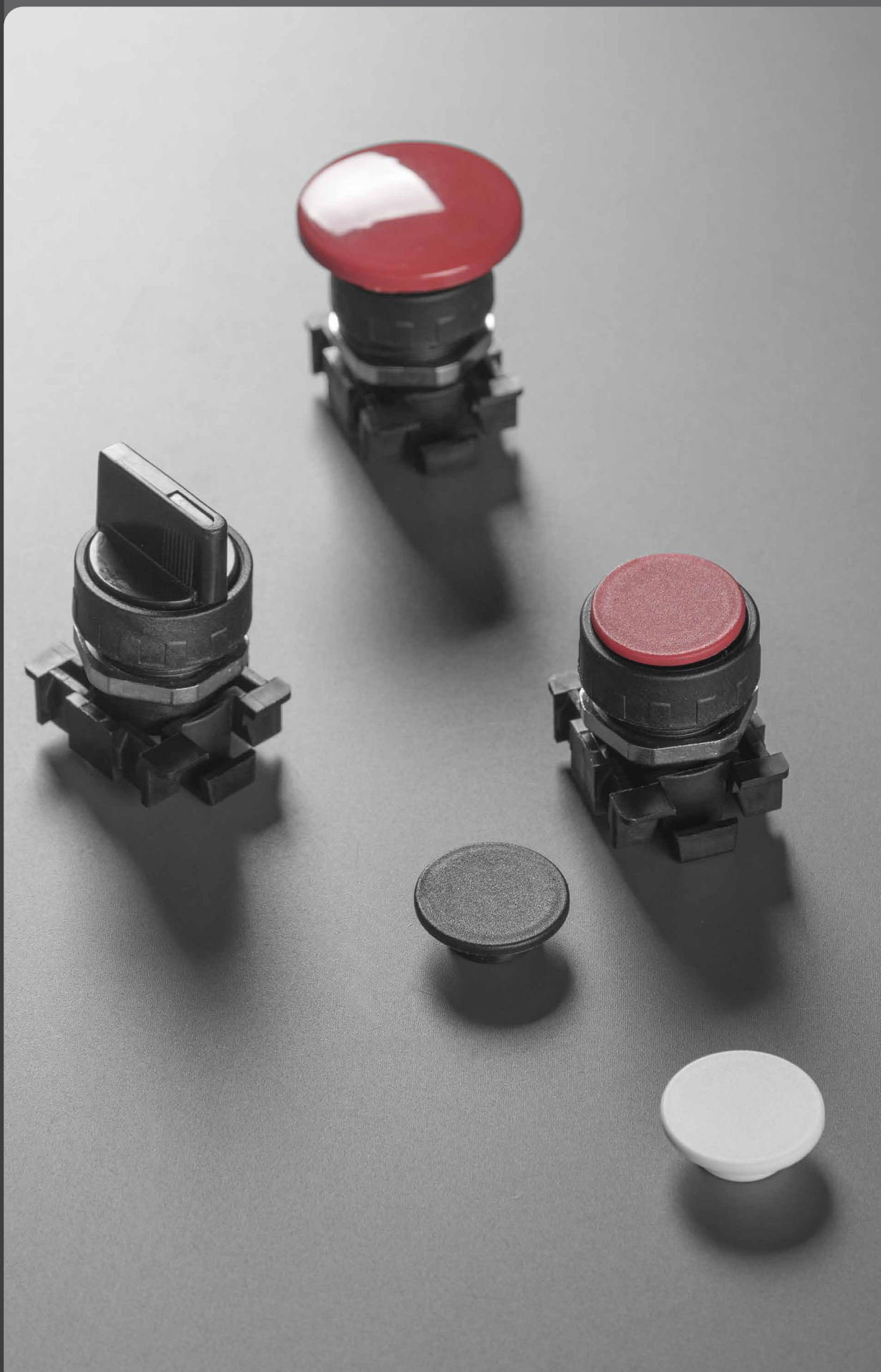
03V Z0 5 00 02



03V H0 5 00 02



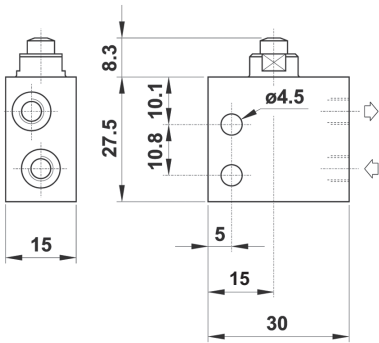
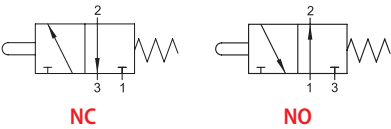
PANEL, PUSH BUTTON AND SELECTOR VALVES



MICRO VALVES

3/2

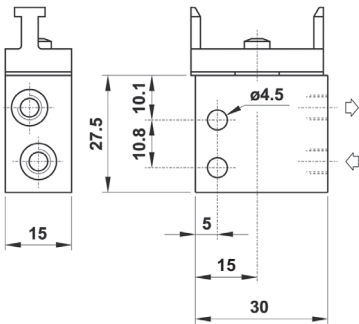
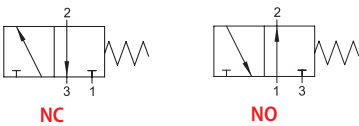
TAPPET - SPRING RETURN



Part No.	Function	Size	Pack.
02V G0 3 NC B5	3/2 NC	M5 (metric)	1
02V G0 3 NO B5	3/2 NO	M5 (metric)	1

3/2

PANEL MOUNTED ACTUATOR - SPRING RETURN



Part No.	Function	Size	Pack.
02V D0 3 NC B5	3/2 NC	M5 (metric)	1
02V D0 3 NO B5	3/2 NO	M5 (metric)	1

INTERFACE FOR CONNECTION BUTTON

Part No.	Pack.
04V 06 0 00 01	1
04V 06 0 00 02	1



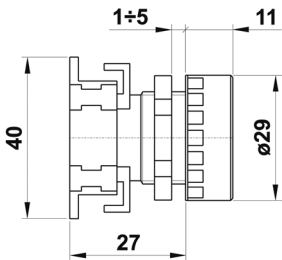
04V 06 0 00 02

04V 06 0 00 01

PUSH BUTTON AND SELECTOR

PROTECTED PUSH BUTTON

Part No.	Standard Color	Pack.
04V 01 0 00 01	 	1



Part No.	Color	Pack.
04V 01 P 00 VE		1
04V 01 P 00 GI		1
04V 01 P 00 AZ		1



The following colors can be ordered separately.

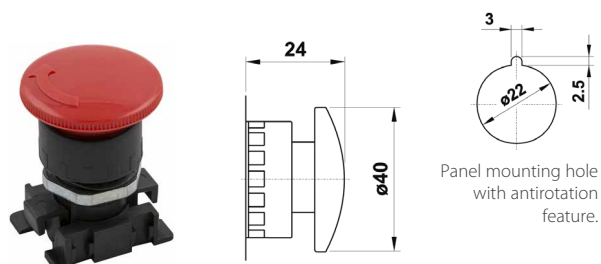
AXIAL MONO-STABLE MUSHROOM

Part No.	Color	Pack.
04V 02 0 0N 01		1
04V 02 0 0R 01		1



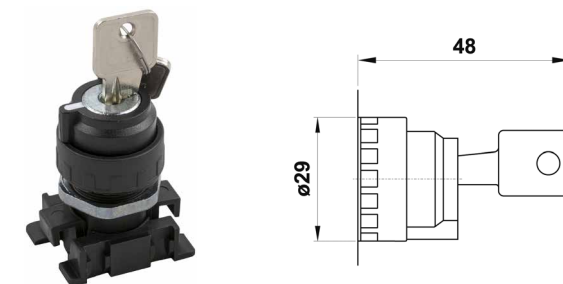
TURN TO UNLOCK MUSHROOM

Part No.	Color	Pack.
04V 02 0 0R 02		1



KEY SELECTOR

Part No.	Color	Function	Position to pull the key out	Pack.
04V 03 0 00 01		0 - 1	Only in central position	1
04V 03 0 00 02		0 - 1	Both position	1
04V 03 0 00 03		2 - 0 - 1	Only in central position	1



SHORT LEVER SELECTOR

Part No.	Color	Function	Pack.
04V 04 0 0N 01		0 1	1
04V 04 0 0N 02		0 	1
04V 04 0 0N 03		2 0	1
04V 04 0 0N 04		2  0 	1



LONG LEVER SELECTOR

Part No.	Color	Function	Pack.
04V 05 0 0N 01		0 1	1
04V 05 0 0N 02		0 	1
04V 05 0 0N 03		2 0	1
04V 05 0 0N 04		2  0 	1



18 MM VDMA VALVES

05V



18 MM SOLENOID PILOT VALVES - VDMA



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH

2011/65/CE
RoHS

PED
2014/68/UE

ISO 15407-1
VDMA 24563 SIZE 02 (18 mm)



Component Parts and Materials

- Anodised aluminium body
- Nickel-plated spool
- NBR seals

	6 bar FLOW RATE with Δp 1 bar	550 NI/min
	OPERATING PRESSURE	Monostable
		2.5 ÷ 10 bar 36.5 ÷ 145 psi
	TEMPERATURE	Bistable
		1 ÷ 10 bar 14.5 ÷ 145 psi
	SOLENOID VOLTAGE	min
		-10 °C 14 °F
	MINIMUM POWER	max
		+60 °C 140 °F
	SOLENOID VOLTAGE	24V DC ÷ 24V AC
	MINIMUM POWER	2W - 3VA
	MANUAL CONTROL	MONOSTABLE
	Response time	Monostable
		TRA = 13 ms TRR = 26 ms
		Bistable
		TRA=TRR = 24 ms

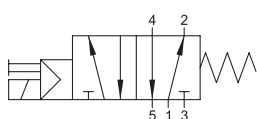
TRA = Response time with energised coil

TRR = Response time with deenergised coil

Series	Actuation	Reactuation	Function	Size
0 5 V	S	0	7	C C
	S = Solenoid	0 = Monostable spring return 1 = Bistable	3 = 3/2 5 = 5/2 7 = 5/3	CC = All Ports Blocked OC = Normally exhausted OO = Function not provided
				0 0
				00 = 24V DC 01 = 24V AC

5/2

SINGLE SOLENOID PILOT - SPRING RETURN

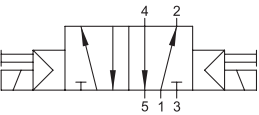


Part No.	Function	Solenoid	Pack.
05V S0 5 00 00	5/2	24V DC	1
05V S0 5 00 01	5/2	24V	1



5/2

DOUBLE SOLENOID PILOT

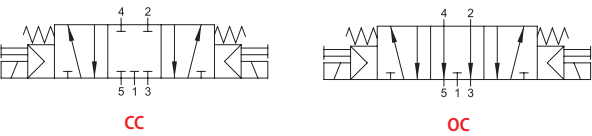


Part No.	Function	Solenoid	Pack.
05V S1 5 00 00	5/2	24V DC	1
05V S1 5 00 01	5/2	24V AC	1

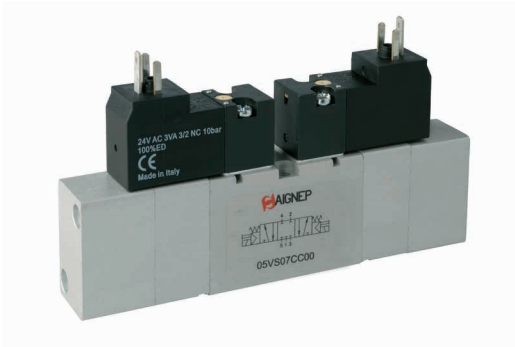


5/3

DOUBLE SOLENOID PILOT - SPRING CENTERED

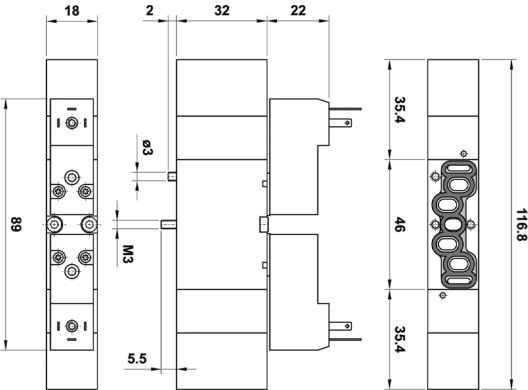
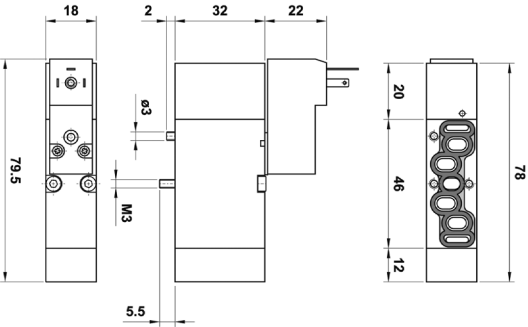


Part No.	Function	Solenoid	Pack.
05V S0 7 CC 00	5/3 CC	24V DC	1
05V S0 7 OC 00	5/3 OC	24V DC	1
05V S0 7 CC 01	5/3 CC	24V AC	1
05V S0 7 OC 01	5/3 OC	24V AC	1

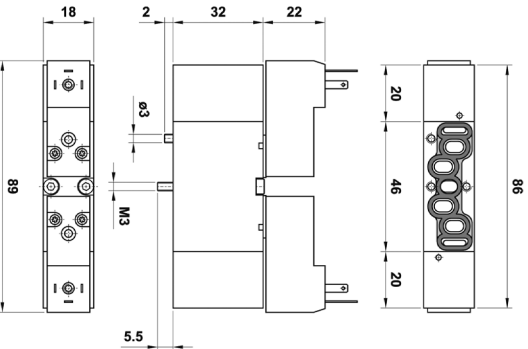


05V S0 5 00 00 05V S0 5 00 01

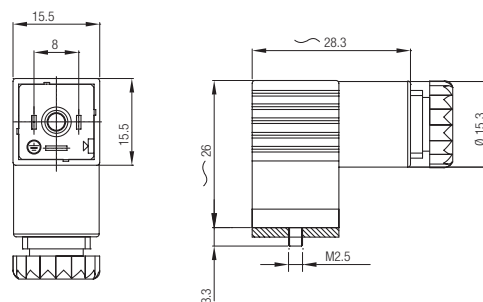
05V S0 7 CC 00 05V S0 7 OC 00 05V S0 7 CC 01 05V S0 7 OC 01



05V S1 5 00 00 05V S1 5 00 01



Connectors 15 mm



Part No.	Color	Characteristics	Pack.
CON11 000 01	■	STANDARD 2 PIN	1
CON12 024 00	□	LED + VDR 0 - 24V	1

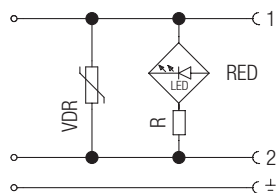
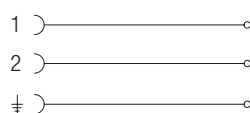
■ Black

□ Transparent

VDR: Fitted with varistors as surge protection device.



Wiring



CON11 000 01

CON12 024 00

DEGREE OF PROTECTION

IP65 IEC 60529

CABLE DIAMETER

4 ÷ 6 mm

TERMINALS

DIN 4365 C

18 MM AIR PILOT VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006 REACH✓	2011/65/CE RoHS✓	PED 2014/68/UE	ISO 15407-1 VDMA 24563 SIZE 02 (18 mm)
---------------------	---------------------	-------------------	---



Component Parts and Materials

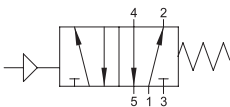
- Anodised aluminium body
- Nickel-plated spool
- NBR seals

	6 bar FLOW RATE with Δp 1 bar	550 NI/min
	PRESSURE DRIVE	0 ÷ 10 bar 0 ÷ 145 psi
	OPERATING PRESSURE	Monostable 2 ÷ 10 bar 29 ÷ 145 psi
		Bistable 1 ÷ 10 bar 14.5 ÷ 145 psi
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 140 °F
	RESPONSE TIME	Monostable TRA = 12 ms
		Bistable TRR = 24 ms TRA=TRR = 21 ms

TRA = Response time with energised coil TRR = Response time with deenergised coil

Series	Actuation	Reactuation	Function	Size
0 5 V	P	0	5	0 0
	P = Pneumatic	0 = Monostable spring return 1 = Bistable	5 = 5/2 7 = 5/3	CC = All Ports Blocked OC = Normally exhausted 00 = Function not provided

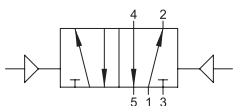
5/2
SINGLE AIR PILOT - SPRING RETURN



Part No.	Function	Pack.
05V P0 5 00 00	5/2	1

5/2

DOUBLE AIR PILOT

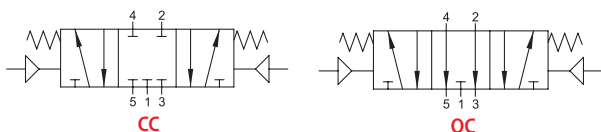


Part No.	Function	Pack.
05V P1 5 00 00	5/2	1



5/3

DOUBLE AIR PILOT - SPRING CENTERED

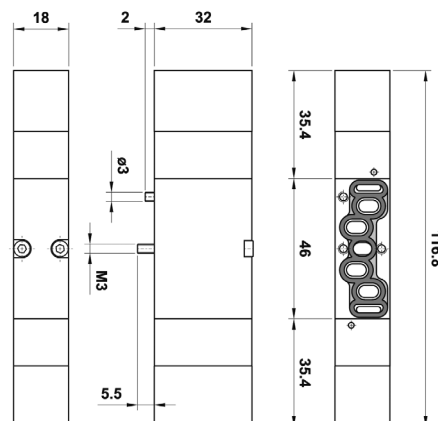
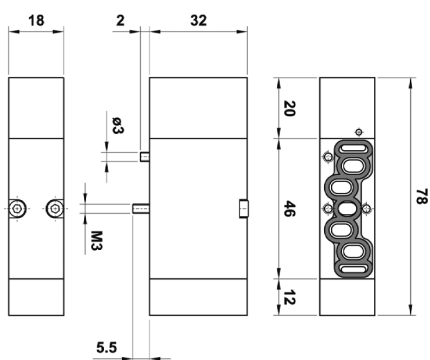


Part No.	Function	Pack.
05V P0 7 CC 00	5/3 CC	1
05V P0 7 OC 00	5/3 OC	1

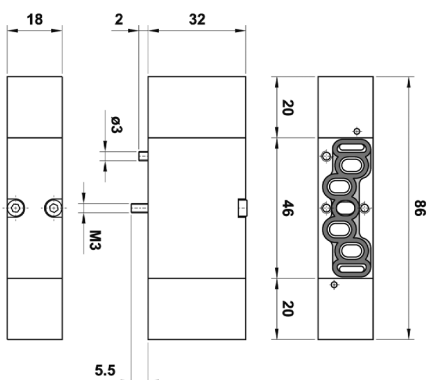


05V P0 5 00 00

05V P0 7 CC 00 05V P0 7 OC 00



05V P1 5 00 00



MODULAR BASES AND ACCESSORIES

All the bases are supplied with screws and seals to secure the correct assembly.

FRONT MANIFOLD END PLATE



Part No.	Pack.
05V B1 0 00 00	1

REAR MANIFOLD END PLATE



Part No.	Pack.
05V B2 0 00 00	1

MODULAR BASE



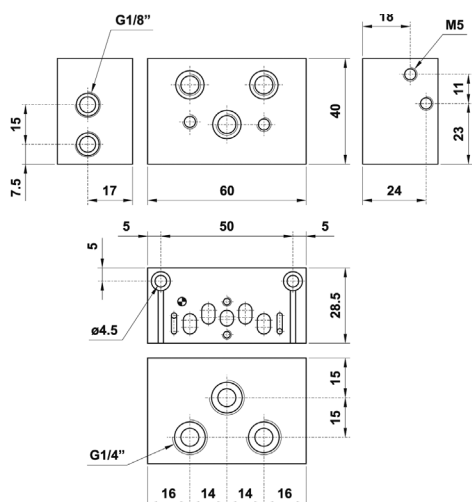
Part No.	Pack.
05V B3 0 00 00	1

INTERMEDIATE PRESSURE BASE

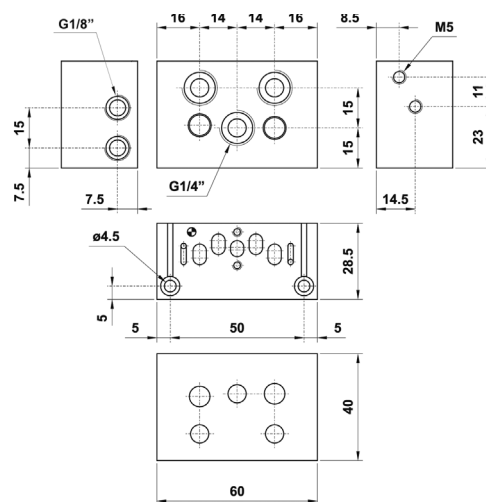


Part No.	Pack.
05V B4 0 00 00	1

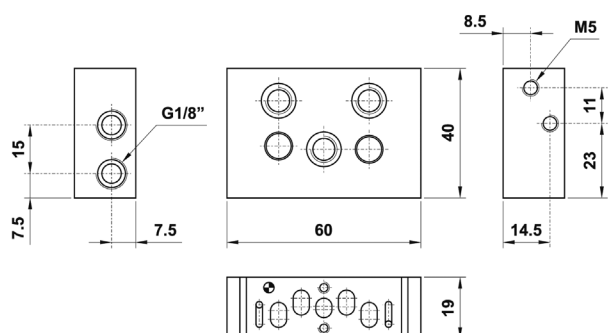
05V B1 0 00 00



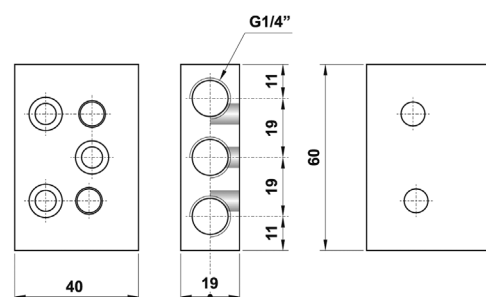
05V B2 0 00 00



05V B3 0 00 00



05V B4 0 00 00



INTERMEDIATE PLUG



Part No.	Pack.
05V B8 0 00 00	1

GASKET FOR INTERMEDIATE PLUG



The gasket is supplied with M8 dowel.

Part No.	Pack.
05V B7 0 00 00	1

BLANKING PLATE



Part No.	Pack.
05V B9 0 00 00	1

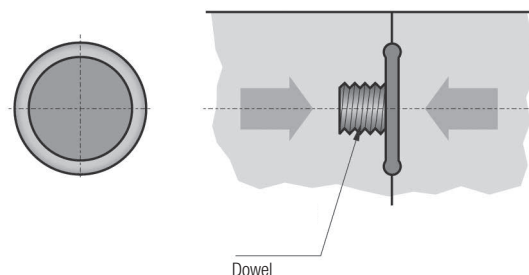
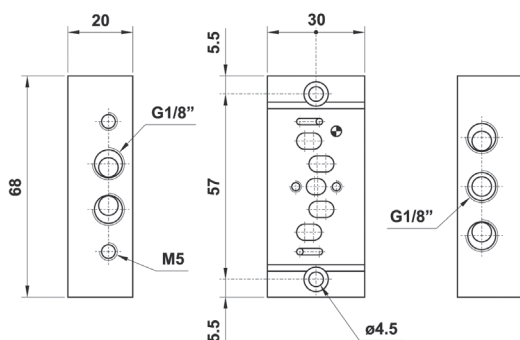
INDIVIDUAL BASE



Part No.	Pack.
05V B5 0 00 00	1

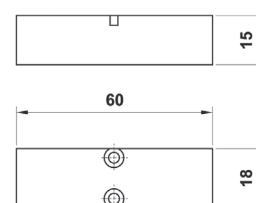
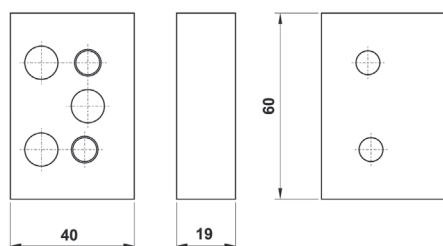
05V B5 0 00 00

05V B7 0 00 00

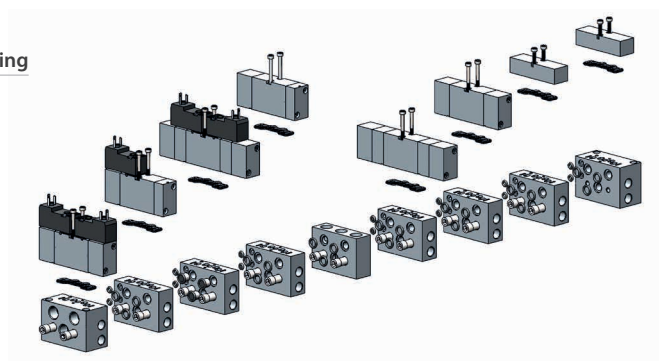


05V B8 0 00 00

05V B9 0 00 00



Example of assembling



PEDAL VALVES

A90



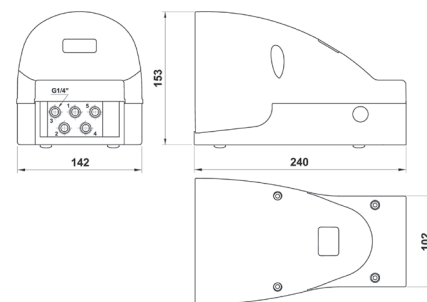


Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE



Functions

5/2

SUPPLY = ①

OUTPUT = ② ④

EXHAUST = ③ ⑤

3/2

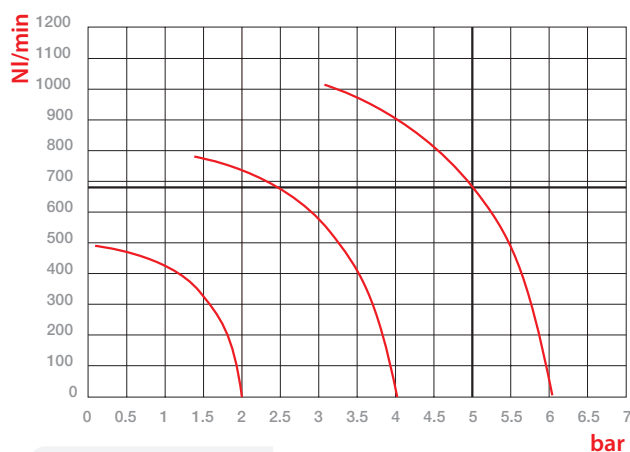
SUPPLY = ①

OUTPUT = ② ~~④~~

EXHAUST = ③ ⑤



Flow Rates

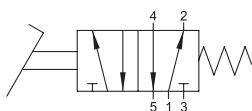


NI/min bar
Flow Pressures

		1/4
	THREADED	G 1/4
	OPERATING PRESSURE	2 ÷ 10 bar 29 ÷ 145 psi
	TEMPERATURE	max +60 °C 140 °F
	PROTECTION	TECHNOPOLYMER

5/2

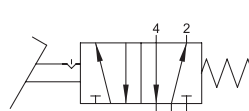
PEDAL WITH PROTECTION COVER - SPRING RETURN



Part No.	Function	Size	Pack.
06V 00 0 00 01	5/2	G 1/4	1

5/2

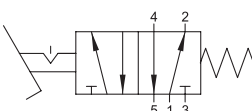
PEDAL WITH PROTECTION COVER AND SAFETY FEATURE - SPRING RETURN



Part No.	Function	Size	Pack.
06V 00 0 00 02	5/2	G 1/4	1

5/2

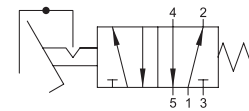
PEDAL WITH PROTECTION COVER DETENT - SPRING RETURN



Part No.	Function	Size	Pack.
06V 00 0 00 03	5/2	G 1/4	1

5/2

PEDAL WITH DETENT AND SAFETY LOCK - SPRING RETURN



Part No.	Function	Size	Pack.
06V 00 0 00 04	5/2	G 1/4	1

SOLENOID VALVES

07V





TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

ATEX
2014/34/UE



Component Parts and Materials

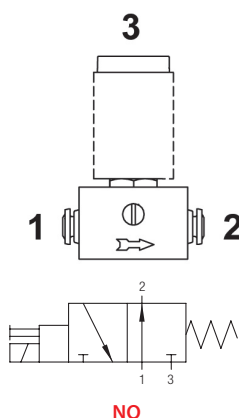
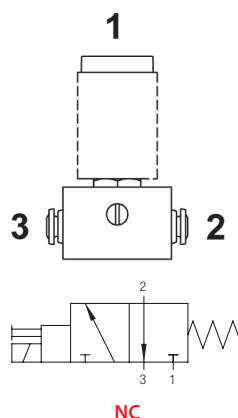
- Anodised aluminium body
- NBR seals

	THREAD	G 1/8 - automatic Ø 5/32 - (4)	
	6 bar FLOW RATE with Δp 1 bar	30 NI/min	
	OPERATING PRESSURE	0 ÷ 10 bar 0 ÷ 145 psi	
	TEMPERATURE	min	-10 °C 14 °F
		max	+60 °C 140 °F
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC 110V AC - 220V AC	
	MINIMUM POWER	3W - 5VA	
	MANUAL CONTROL	BISTABLE	
	TORQUE OF THE TIGHTENING SOLENOID'S NUT	0.6 Nm	

Series	Actuation	Reaction	Function	Size
0 7 V	S	0	3	N C
	S = Solenoid with manual override Y = Vacuum	0 = Monostable spring return	3 = 3/2	NO = Normally open NC = Normally closed
				0 2
				02 = 1/8 X1 = Ø 5/32 (4)

3/2

SOLENOID WITH MANUAL OVERRIDE



Part No.	Function	Size	Pack.
07V S0 3 NC 02	3/2 NC	G 1/8	1
07V S0 3 NC X1	3/2 NC	Ø 5/32 (4)	1
07V S0 3 NO 02	3/2 NO	G 1/8	1
07V S0 3 NO X1	3/2 NO	Ø 5/32 (4)	1

* 07V Y0 3 NC 02	3/2 NC	G 1/8	1
------------------	--------	-------	---

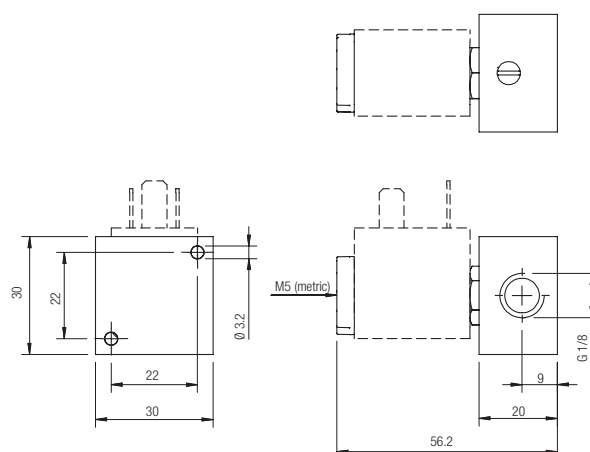
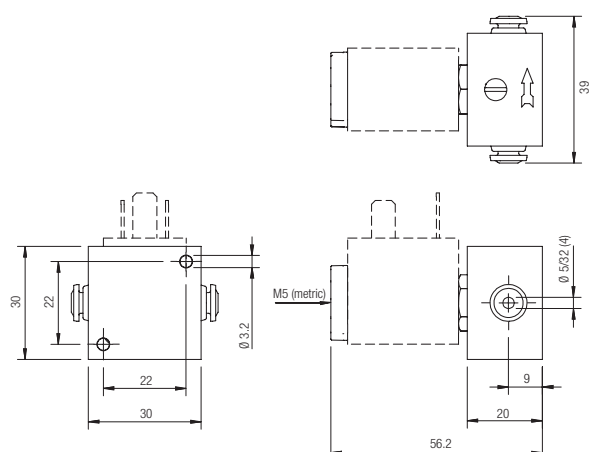
* Vacuum

SOLENOID WITH MANUAL OVERRIDE



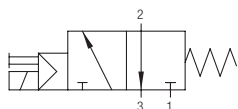
5/32 - (4)

G1/8

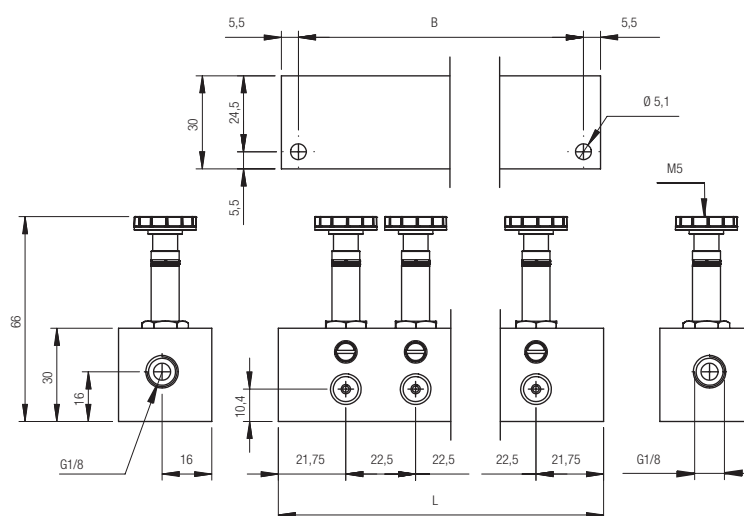


FIXED LENGTH MANIFOLD WITH MANUAL OVERRIDE

SOLENOID VALVES ON FIXED LENGTH MANIFOLD



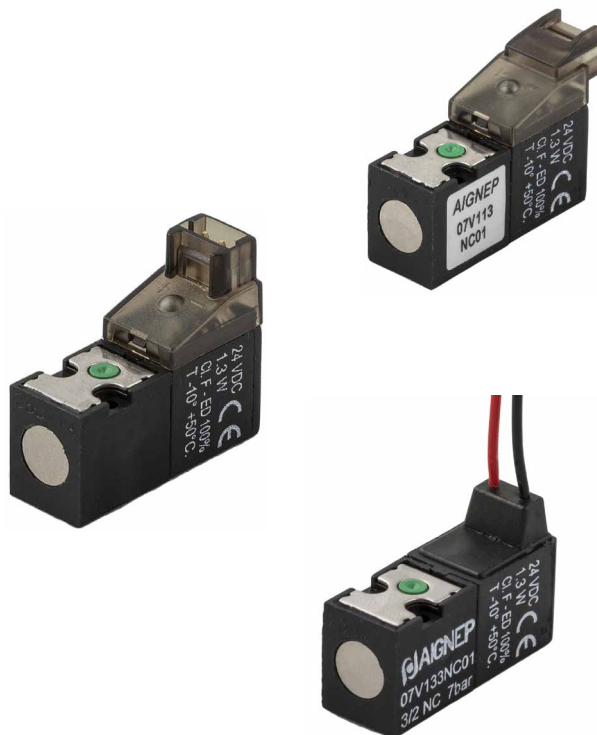
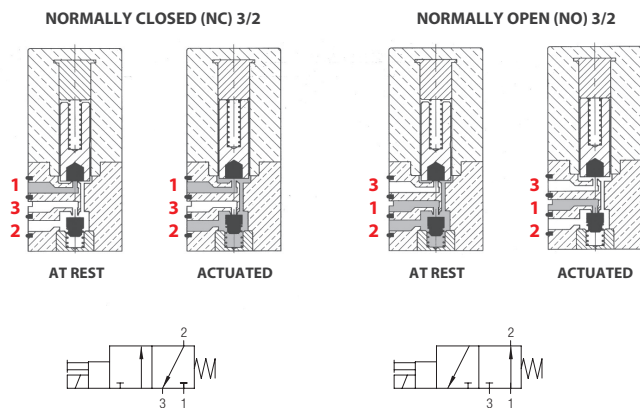
Part No.	Ways	B	L	Size	Pack.
07V B0 0 00 02	2	55	66	G 1/8	1
07V B0 0 00 03	3	77.5	88.5	G 1/8	1
07V B0 0 00 04	4	100	111	G 1/8	1
07V B0 0 00 05	5	122.5	133.5	G 1/8	1
07V B0 0 00 06	6	145	156	G 1/8	1
07V B0 0 00 07	7	167.5	178.5	G 1/8	1
07V B0 0 00 08	8	190	201	G 1/8	1
07V B0 0 00 09	9	212.5	223.5	G 1/8	1
07V B0 0 00 10	10	235	246	G 1/8	1



10 MM MINIATURE SOLENOID VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

	MAX PRESSURE	Vacuum ÷ 7 bar Vacuum ÷ 101.5 psi
	TEMPERATURE	- 5 ÷ 50 °C 23 ÷ 122 °F
	6 bar FLOW RATE with Δp 1 bar	14 NI/min
	EXHAUST FLOW	22 NI/min
	ORIFICE SIZE	0.7 mm
	MAX NUMBER OF CYCLES PER MINUTE	2700
	LIFE EXPECTANCY	50 MILLION CYCLES

	VOLTAGE	12 V DC ÷ 24V DC
	POWER	1.3 W
	VOLTAGE TOLLERANCE	-5% +10%
	RESPONSE TIME WHILE ENERGIZED	8 ms
	RESPONSE TIME WHILE DE-ENERGIZED	10 ms
	CLASS OF PROTECTION	F (155 °C) F (311 °F)

Series	Actuation	Reactuation	Function	Orifice size	Voltage
0 7 V	1	1	3	0	0
	1 = 10 mm	1 = line connector + led 2 = 90° connector + led 3 = Cable (300 mm)	3 = 3/2	0 = 0.7 mm	0 = 12 V DC 1 = 24 V DC

3/2

IP50

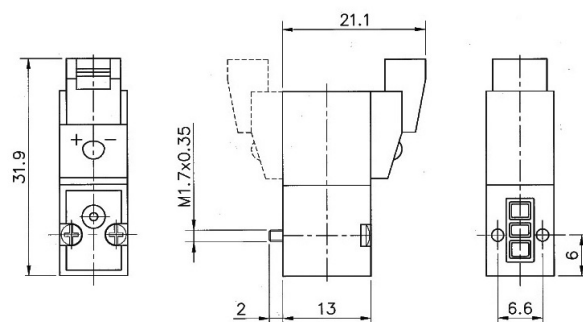
10 MM SOLENOID VALVE WITH LINE CONNECTOR + LED



Part No.	Function	Vacuum	Solenoid	Pack.
07V 11 3 NC 01	3/2 NC	NO	24V DC	1
07V 11 3 NC 00	3/2 NC	NO	12V DC	1
07V 11 3 NO 01	3/2 NO	NC	24V DC	1
07V 11 3 NO 00	3/2 NO	NC	12V DC	1

Item integrated with surge protector.

07V 11 3 NC 01 07V 11 3 NC 00 07V 11 3 NO 01 07V 11 3 NO 00



3/2

IP50

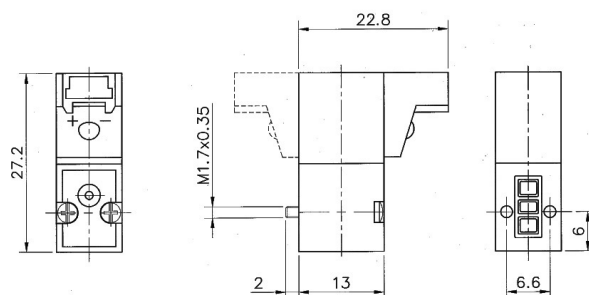
10 MM SOLENOID VALVE WITH 90° CONNECTOR + LED



Part No.	Function	Vacuum	Solenoid	Pack.
07V 12 3 NC 01	3/2 NC	NO	24V DC	1
07V 12 3 NC 00	3/2 NC	NO	12V DC	1
07V 12 3 NO 01	3/2 NO	NC	24V DC	1
07V 12 3 NO 00	3/2 NO	NC	12V DC	1

Item integrated with surge protector.

07V 12 3 NC 01 07V 12 3 NC 00 07V 12 3 NO 01 07V 12 3 NO 00



3/2

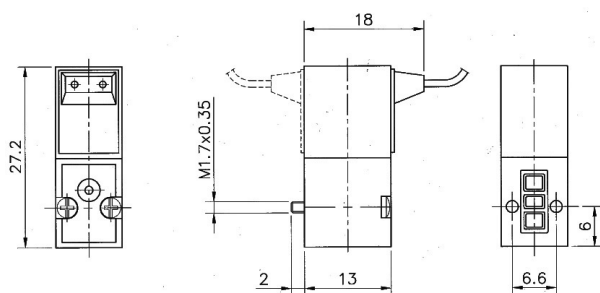
IP65

10 MM SOLENOID VALVE WITH CABLE (300 MM)

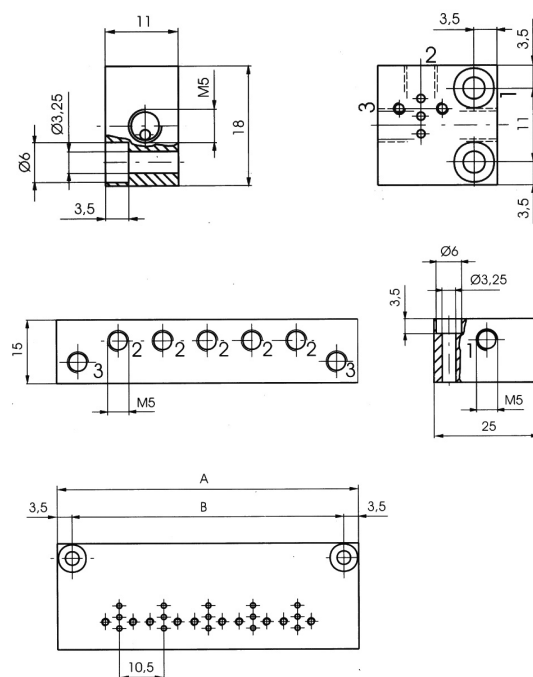


Part No.	Function	Vacuum	Solenoid	Pack.
07V 13 3 NC 01	3/2 NC	NO	24V DC	1
07V 13 3 NC 00	3/2 NC	NO	12V DC	1
07V 13 3 NO 01	3/2 NO	NC	24V DC	1
07V 13 3 NO 00	3/2 NO	NC	12V DC	1

07V 13 3 NC 01 07V 13 3 NC 00 07V 13 3 NO 01 07V 13 3 NO 00

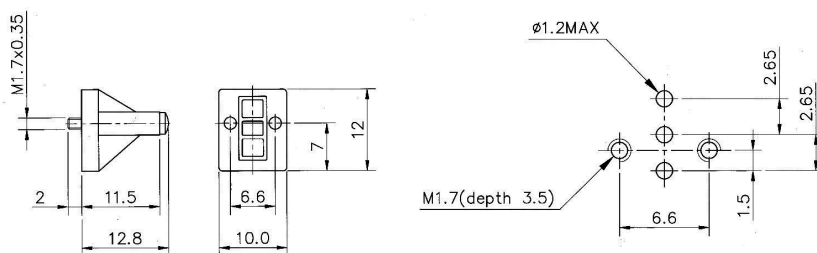


INDIVIDUAL AND FIXED LENGTH MANIFOLD BASES



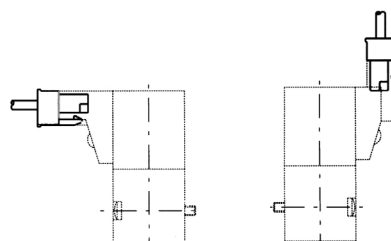
Part No.	Stations	A	B	Pack.
07V 1B 0 00 01	1	-	-	1
07V 1B 0 00 02	2	39.5	32.5	1
07V 1B 0 00 06	6	81.5	74.5	1
07V 1B 0 00 08	8	102.5	95.5	1

BLANKING PLATE



Part No.	Pack.
07V B1 9 00 00	1

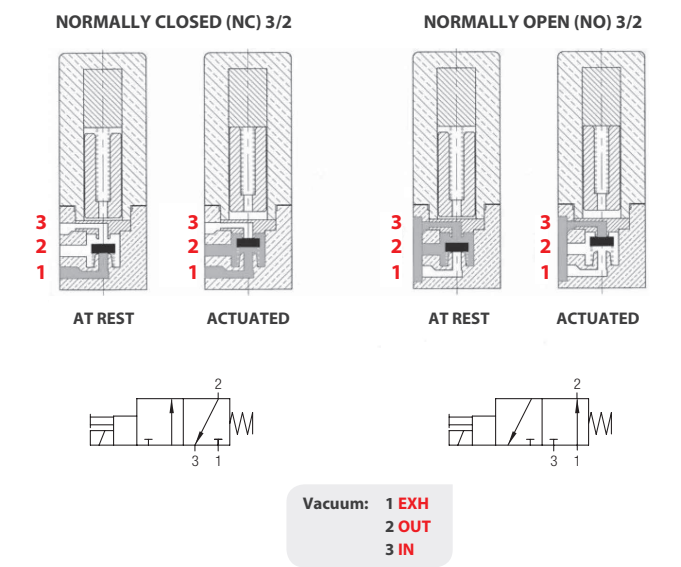
CONNECTOR WITH PVC CABLE



Part No.	Cable Length	Characteristics	Pack.
CON 21 0 24 00	500 mm	0÷24v	1
CON 21 0 24 01	1000 mm	0÷24v	1

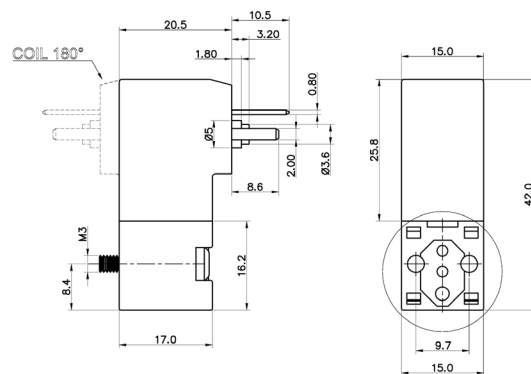
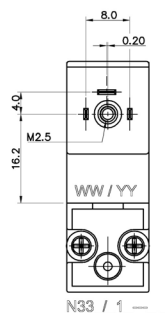
15 MM MINIATURE SOLENOID VALVES

 TECHNICAL CHARACTERISTICS



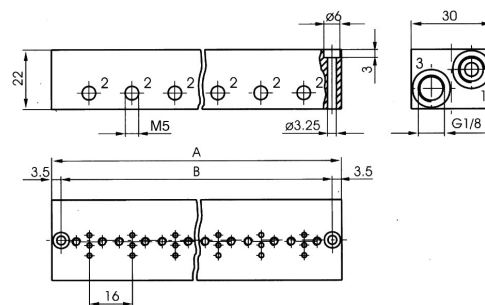
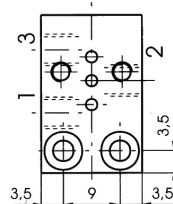
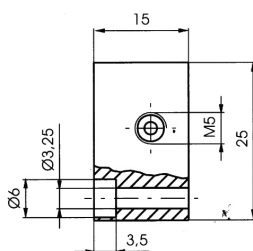
3/2

15 MM SOLENOID VALVE WITH TERMINALS (DIN 43650C)



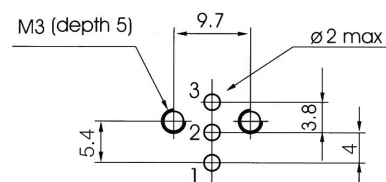
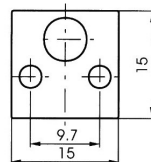
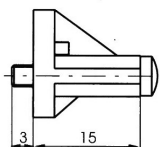
Part No.	Function	Vacuum	Solenoid	Pack.
07V 20 3 NC 11	3/2 NC	NO	24V DC	1
07V 20 3 NC 10	3/2 NC	NO	12V DC	1
07V 20 3 NO 11	3/2 NO	NC	24V DC	1
07V 20 3 NO 10	3/2 NO	NC	12V DC	1

INDIVIDUAL AND FIXED LENGTH MANIFOLD BASES



Part No.	Stations	A	B	Pack.
07V 2B 0 00 01	1	-	-	1
07V 2B 0 00 02	2	44	37	1
07V 2B 0 00 06	6	108	101	1
07V 2B 0 00 08	8	140	133	1

BLANKING PLATE



Part No.	Pack.
07V 2B 9 00 00	1

NAMUR VALVES

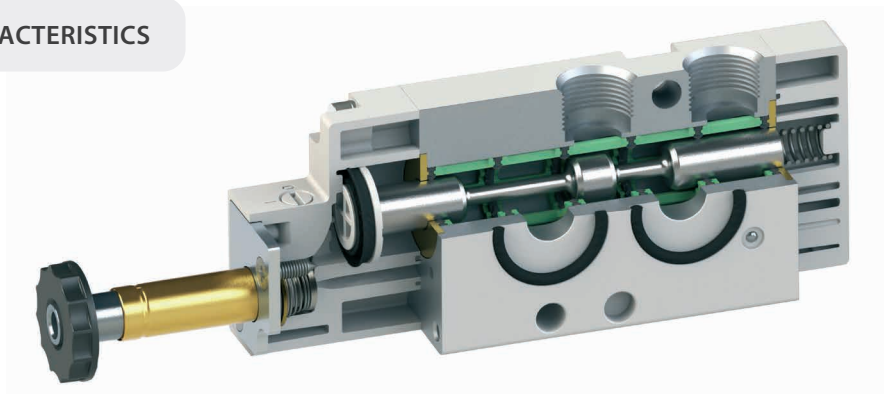
A80



SOLENOID PILOT VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

ATEX
2014/34/UE

VDI/VDE 3845



Component Parts and Materials

- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

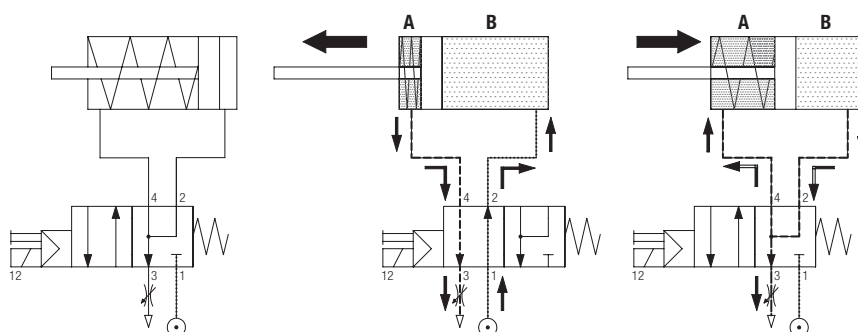
		1/4
	THREAD	G 1/4 - NPTF 1/4
	6 bar FLOW RATE with Δp 1 bar	1200 NI/min
	OPERATING PRESSURE	Monostable 2 ÷ 10 bar 29 ÷ 145 psi
		Bistable 1 ÷ 10 bar 14.5 ÷ 145 psi
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 140 °F
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC 110V AC - 220V AC
	MINIMUM POWER	2W - 3VA
	MANUAL CONTROL	BISTABLE
	TORQUE OF THE TIGHTENING SOLENOID'S NUT	0.6 Nm

Series	Actuation	Reactuation	Function	Size	Thread
0 8 V	S	0	4	NC	0 3
	S = Solenoid	0 = Monostable spring return 1 = Bistable	4 = 4/2 5 = 5/2	NC = Normally closed 00 = Function not provided	03 = 1/4 = G N = NPTF



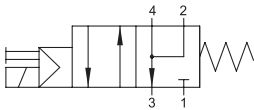
Schematic diagram of the valve NAMUR 4/2

To prevent the return phase of external dirty air inside the cylinder's chamber, the air escaping from chamber B is re-routed into the same chamber.



4/2

SINGLE SOLENOID PILOT - SPRING RETURN

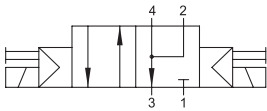


Part No.	Function	Size	Pack.
08V S0 4 NC 03	4/2 NC	G 1/4	1

Part No.	Function	Size	Pack.
08V S0 4 NC 03 N	4/2 NC	NPTF 1/4	1

4/2

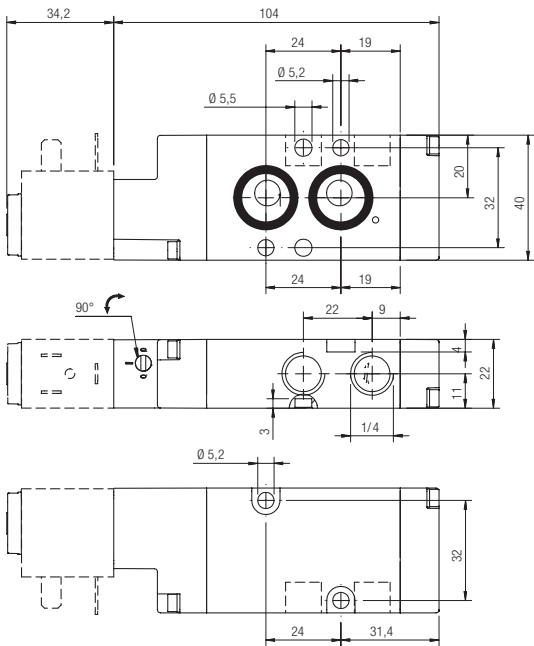
DOUBLE SOLENOID PILOT



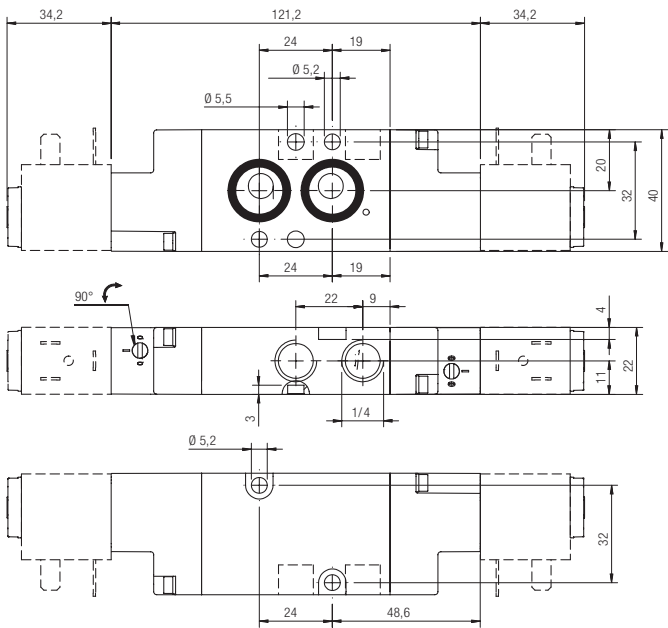
Part No.	Function	Size	Pack.
08V S1 4 00 03	4/2	G 1/4	1

Part No.	Function	Size	Pack.
08V S1 4 00 03 N	4/2	NPTF 1/4	1

08V S0 4 NC 03 08V S0 4 NC 03 N

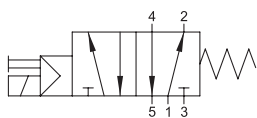


08V S1 4 00 03 08V S1 4 00 03 N



5/2

SINGLE SOLENOID PILOT - SPRING RETURN

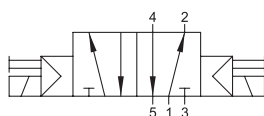


Part No.	Function	Size	Pack.
08V S0 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
08V S0 5 00 03 N	5/2	NPTF 1/4	1

5/2

DOUBLE SOLENOID PILOT

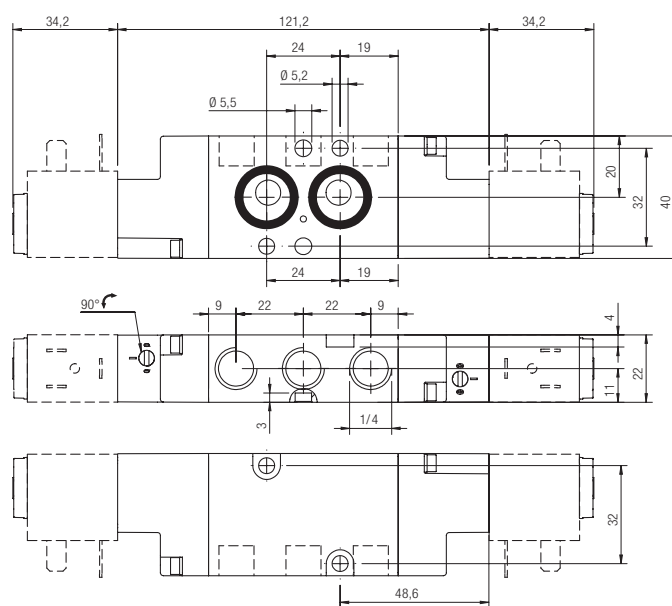
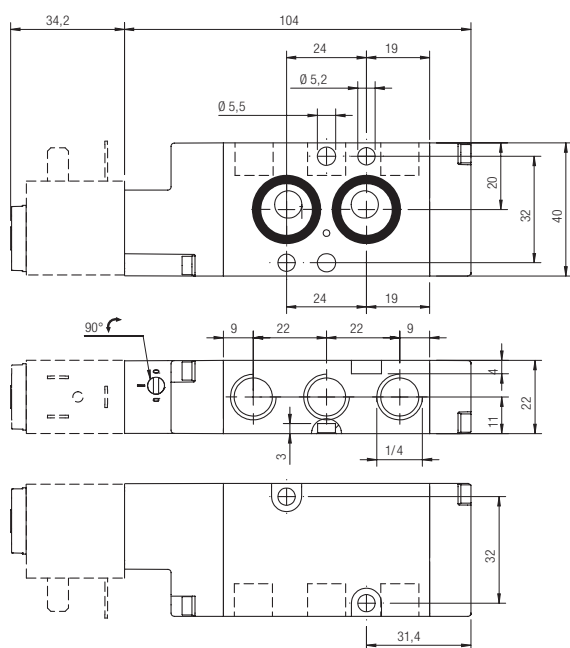


Part No.	Function	Size	Pack.
08V S1 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
08V S1 5 00 03 N	5/2	NPTF 1/4	1

08V S0 5 00 03 08V S0 5 00 03 N

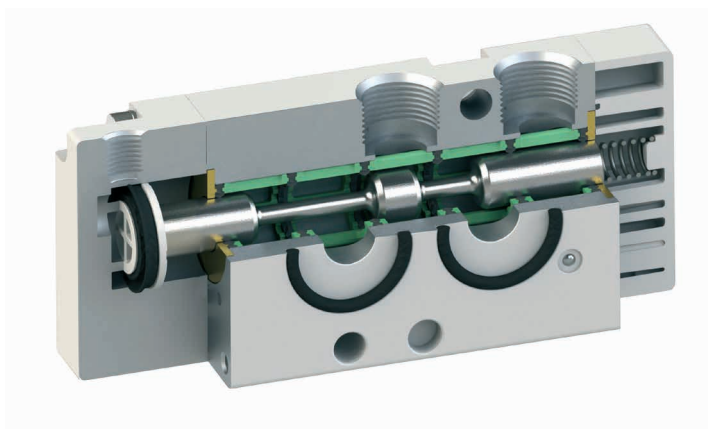
08V S1 5 00 03 08V S1 5 00 03 N



AIR PILOT VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

ATEX
2014/34/UE

VDI/VDE 3845



Component Parts and Materials

- Anodised and painted aluminium body
- Chemical nickel-plated spool
- NBR seals

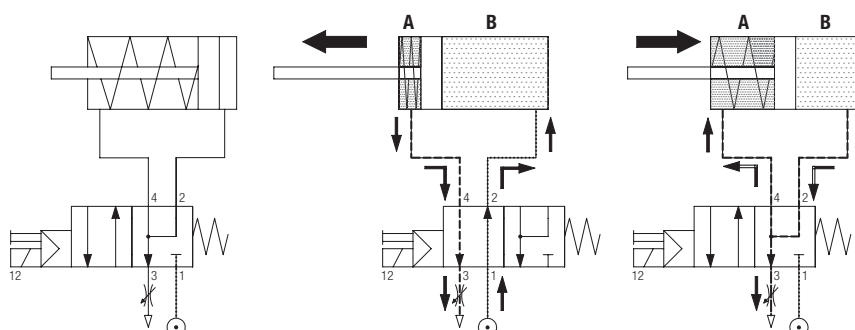
1/4		
	THREAD	G 1/4 - NPTF 1/4
	6 bar FLOW RATE with Δp 1 bar	1200 NI/min
	OPERATING PRESSURE	0 ÷ 10 bar 0 ÷ 145 psi
	PRESSURE DRIVE	Monostable 2 ÷ 10 bar 29 ÷ 145 psi
		Bistable 1 ÷ 10 bar 14,5 ÷ 145 psi
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 140 °F

Series	Actuation	Reactuation	Function	Size	Thread
0 8 V	P	0	4	NC	0 3
	P = Pneumatic	0 = Monostable spring return 1 = Bistable	4 = 4/2 5 = 5/2	NC = Normally closed 00 = Function not provided	03 = 1/4 = G N = NPTF



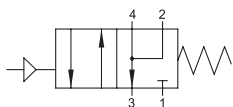
Schematic diagram of the valve NAMUR 4 / 2

To prevent the return phase of external dirty air inside the cylinder's chamber, the air escaping from chamber B is re-routed into the same chamber.



4/2

SINGLE AIR PILOT - SPRING RETURN

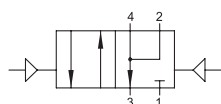


Part No.	Function	Size	Pack.
08V P0 4 NC 03	4/2 NC	G 1/4	1

Part No.	Function	Size	Pack.
08V P0 4 NC 03 N	4/2 NC	NPTF 1/4	1

4/2

DOUBLE AIR PILOT

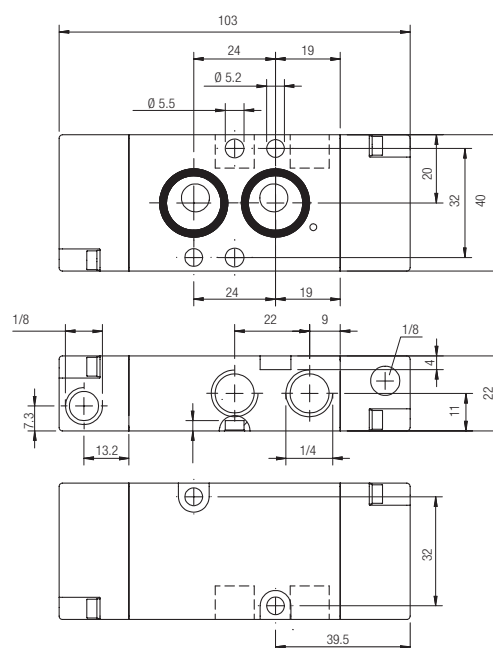
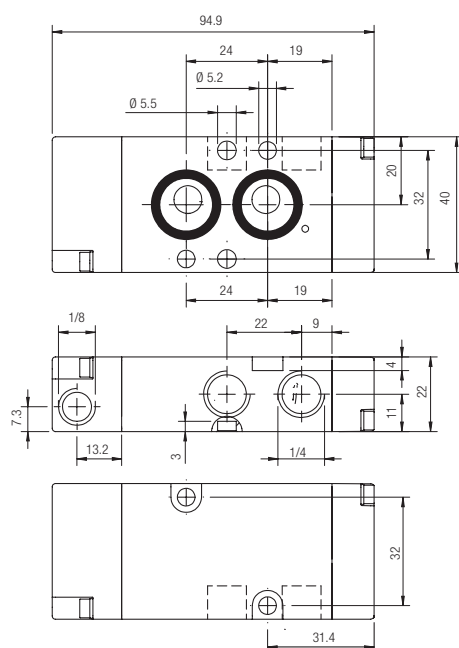


Part No.	Function	Size	Pack.
08V P1 4 00 03	4/2	G 1/4	1

Part No.	Function	Size	Pack.
08V P1 4 00 03 N	4/2	NPTF 1/4	1

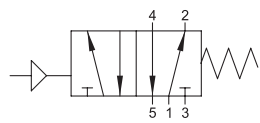
08V P0 4 NC 03 08V P0 4 NC 03 N

08V P1 4 00 03 08V P1 4 00 03 N



5/2

SINGLE AIR PILOT - SPRING RETURN

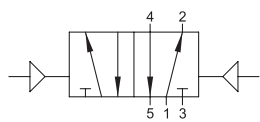


Part No.	Function	Size	Pack.
08V P0 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
08V P0 5 00 03 N	5/2	NPTF 1/4	1

5/2

DOUBLE AIR PILOT

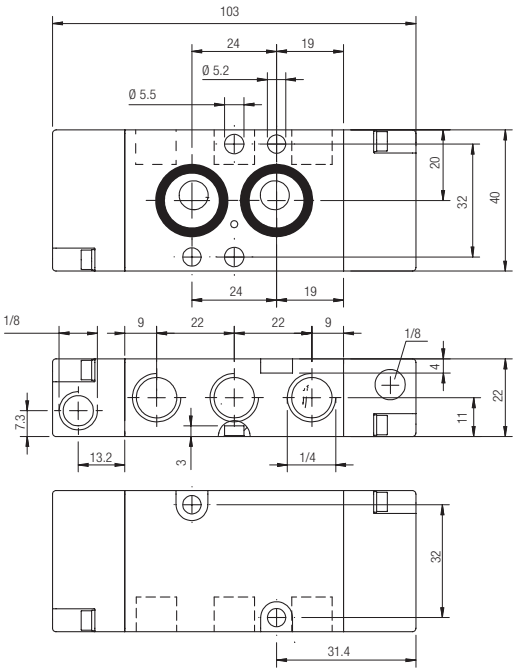
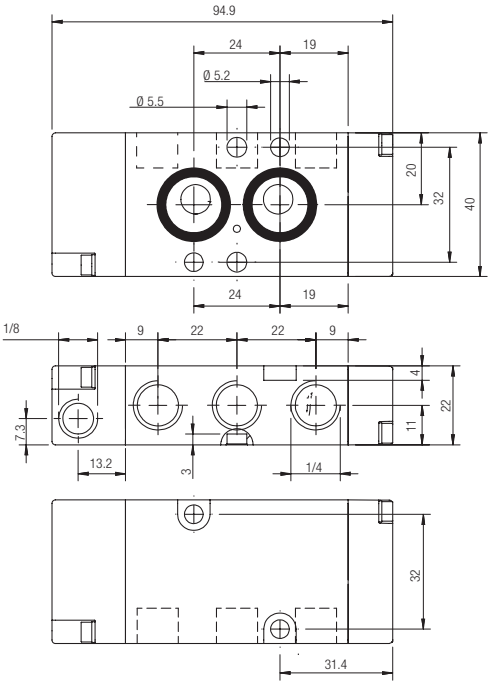


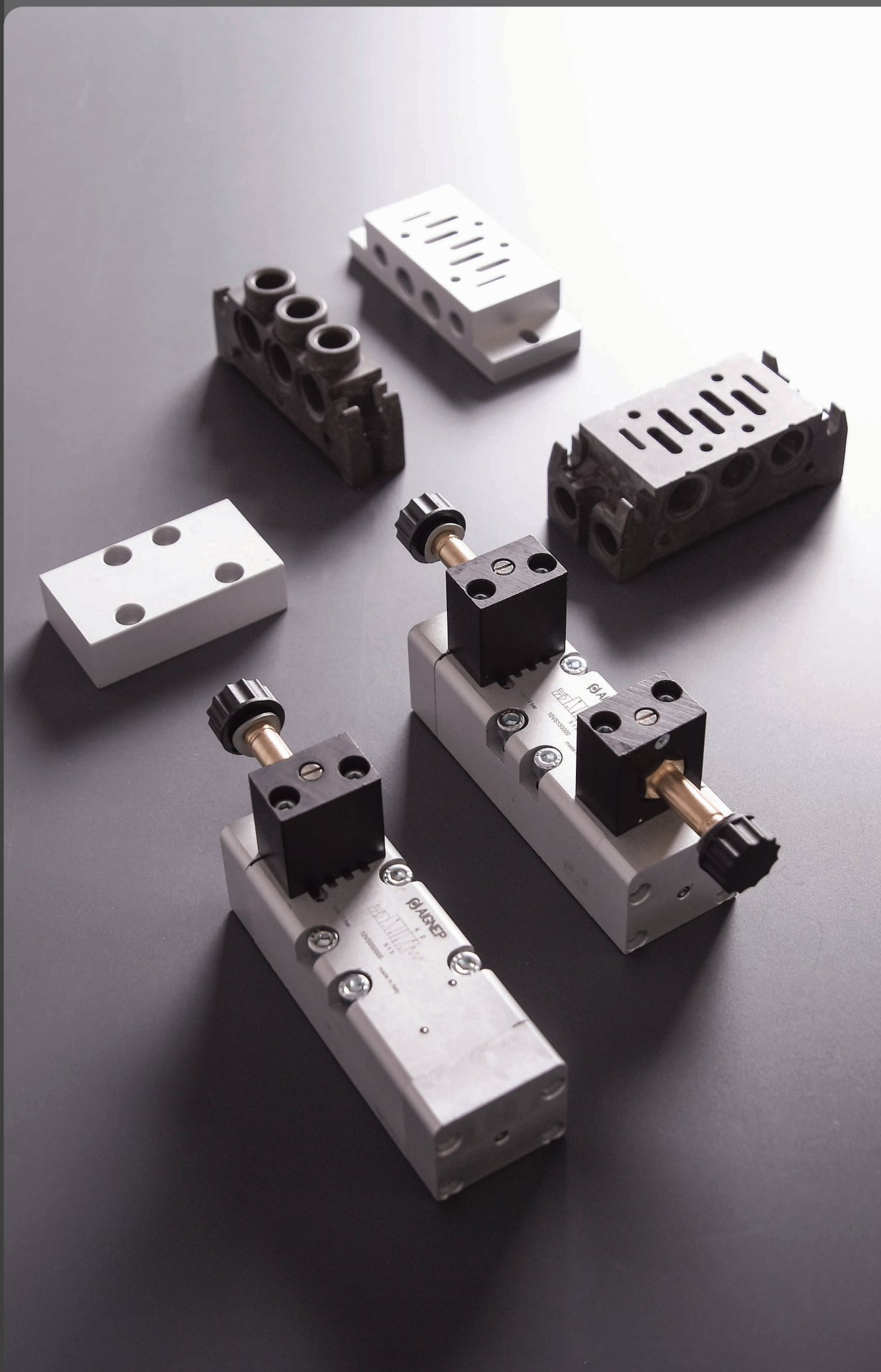
Part No.	Function	Size	Pack.
08V P1 5 00 03	5/2	G 1/4	1

Part No.	Function	Size	Pack.
08V P1 5 00 03 N	5/2	NPTF 1/4	1

08V P0 5 00 03 08V P0 5 00 03 N

08V P1 5 00 03 08V P1 5 00 03 N





TECHNICAL CHARACTERISTICS





Reference Standard

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

ISO 5599
SIZE 1



Component Parts and Materials

- Anodised aluminium body
- Nickel-plated spool
- NBR seals

	6 bar FLOW RATE with Δp 1 bar	1100 NI/min	
	OPERATING PRESSURE	Monostable	2.5 ÷ 10 bar 36.2 ÷ 145 psi
		Bistable	1 ÷ 10 bar 14.5 ÷ 145 psi
	TEMPERATURE	min	-10 °C 14 °F
		max	+60 °C 140 °F
	MINIMUM POWER	3W - 5VA	
	MANUAL CONTROL	Two stable positions	
	RESPONSE TIME	Monostable	TRA = 24 ms
			TRR = 50 ms
		Bistable	TRA=TRR = 80 ms

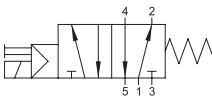
TRA = Response time with energised coil

TRR = Response time with deenergised coil

Series	Actuation	Reactuation	Ways	Function	
1 0 V	S	0	7	C C	0 0
	S = Solenoid	0 = Monostable spring return 1 = Bistable	5 = 5/2 7 = 5/3	CC = Normally closed OC = Normally exhausted PC = Normally pressurized 00 = Function not provided	

5/2

MONOSTABLE SPRING RETURN

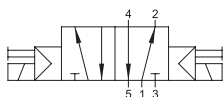


Part No.	Ways	Pack.
10V S0 5 00 00	5/2	1



5/2

TWO STABLE POSITIONS

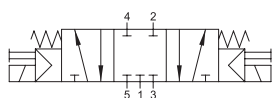


Part No.	Ways	Pack.
10V S1 5 00 00	5/2	1

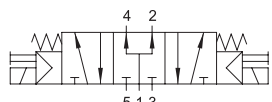


5/3

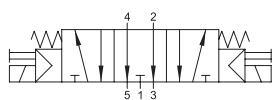
MONOSTABLE SPRING RETURN



CC

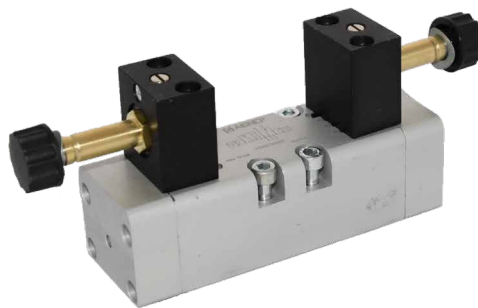


PC



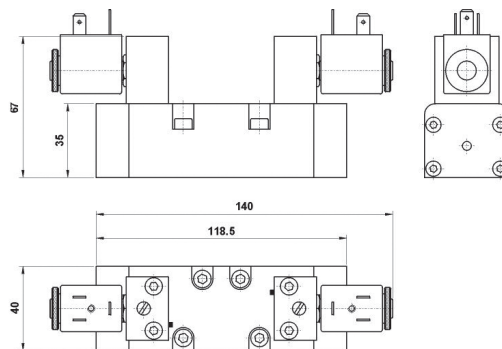
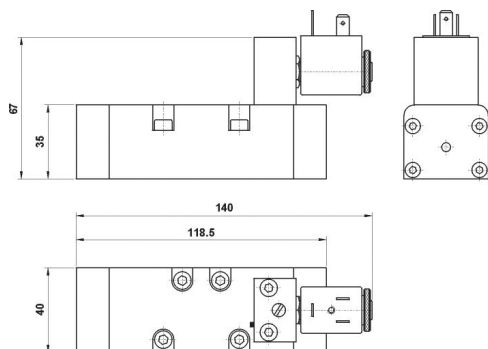
OC

Part No.	Ways	Function	Pack.
10V S0 7 CC 00	5/3	CC	1
10V S0 7 OC 00	5/3	OC	1
10V S0 7 PC 00	5/3	PC	1



10V S0 5 00 00

10V S1 5 00 00 10V S0 7 OC 00
10V S0 7 CC 00 10V S0 7 PC 00



All the bases are supplied with screws and seals to secure the correct assembly.

FRONT TERMINAL



Part No.	Pack.
10V B1 0 00 00	2

MODULAR BASE



Part No.	Pack.
10V B3 0 00 00	1

INDIVIDUAL BASE



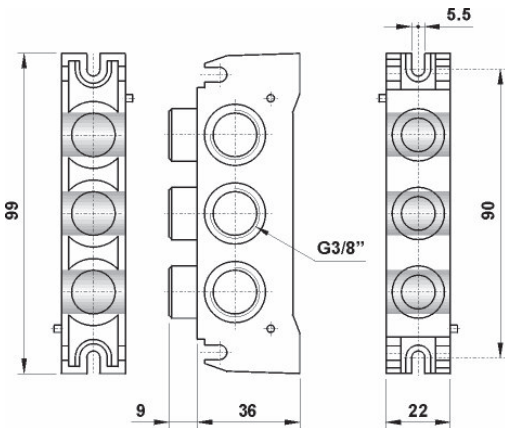
Part No.	Pack.
10V B5 0 00 00	1

CLOSING PLATE

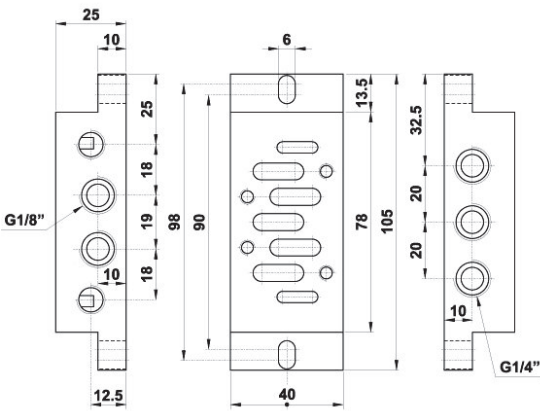


Part No.	Pack.
10V B9 0 00 00	1

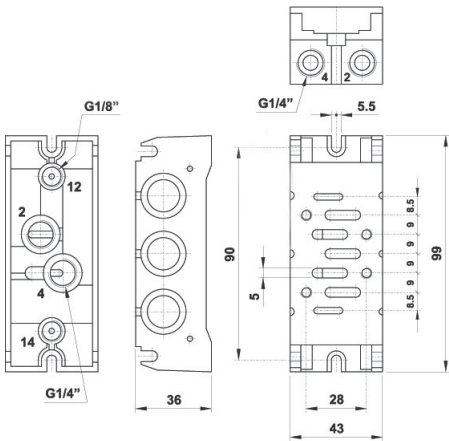
10V B1 0 00 00



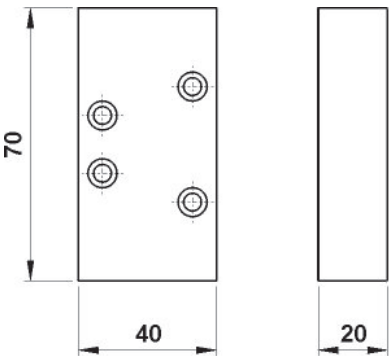
10V B5 0 00 00



10V B3 0 00 00



10V B9 0 00 00





TECHNICAL CHARACTERISTICS





Reference Standard

1907/2006
REACH✓

2011/65/CE
RoHS✓

PED
2014/68/UE

ISO 5599
SIZE 2



Component Parts and Materials

- Anodised aluminium body
- Nickel-plated spool
- NBR seals

	6 bar FLOW RATE with Δp 1 bar		2500 NI/min
	OPERATING PRESSURE	Monostable	2.5 ÷ 10 bar 36.2 ÷ 145 psi
		Bistable	1 ÷ 10 bar 14.5 ÷ 145 psi
	TEMPERATURE	min	-10 °C 14 °F
		max	+60 °C 140 °F
	MINIMUM POWER		3W - 5VA
	MANUAL CONTROL		Two stable positions
	RESPONSE TIME	Monostable	TRA = 35 ms
			TRR = 60 ms
		Bistable	TRA=TRR = 90 ms

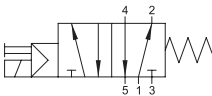
TRA = Response time with energised coil

TRR = Response time with deenergised coil

Series	Actuation	Reactuation	Ways	Function
1 1 V	S	0	7	C C
	S = Solenoid	0 = Monostable spring return 1 = Bistable	5 = 5/2 7 = 5/3	CC = Normally closed OC = Normally exhausted PC = Normally pressurized 00 = Function not provided

5/2

MONOSTABLE SPRING RETURN

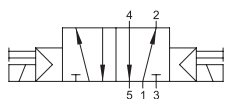


Part No.	Ways	Pack.
11V S0 5 00 00	5/2	1



5/2

TWO STABLE POSITIONS

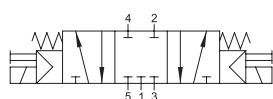


Part No.	Ways	Pack.
11V S1 5 00 00	5/2	1

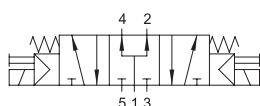


5/3

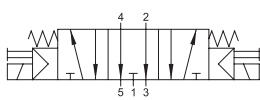
MONOSTABLE SPRING RETURN



CC



PC

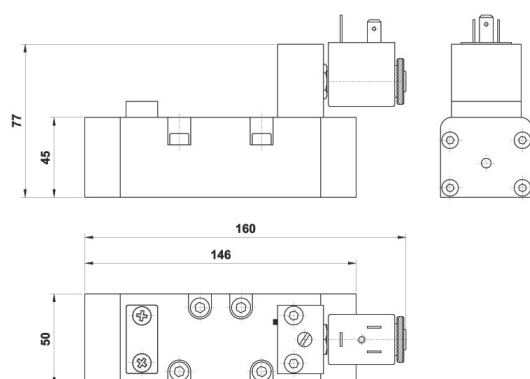


OC

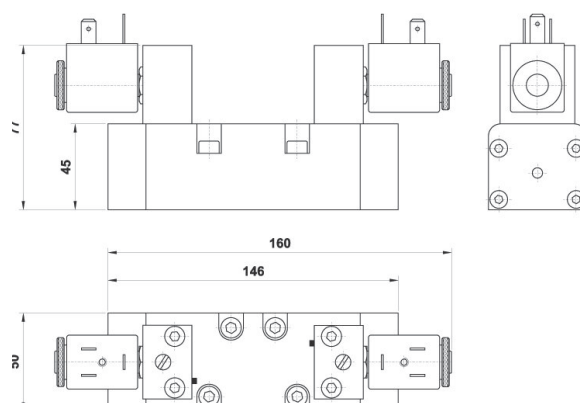
Part No.	Ways	Function	Pack.
11V S0 7 CC 00	5/3	CC	1
11V S0 7 OC 00	5/3	OC	1
11V S0 7 PC 00	5/3	PC	1



11V S0 5 00 00



11V S1 5 00 00 11V S0 7 OC 00
11V S0 7 CC 00 11V S0 7 PC 00



All the bases are supplied with screws and seals to secure the correct assembly.

FRONT TERMINAL



Part No.	Pack.
11V B1 0 00 00	2

MODULAR BASE



Part No.	Pack.
11V B3 0 00 00	1

INDIVIDUAL BASE



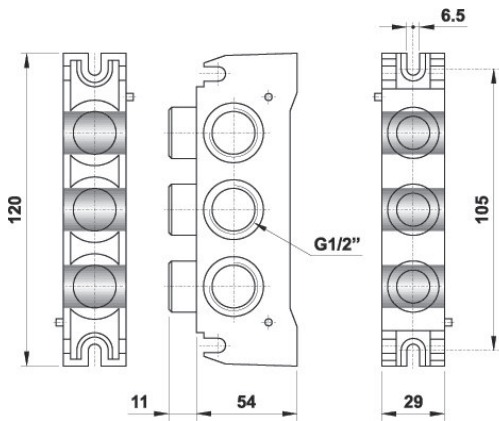
Part No.	Pack.
11V B5 0 00 00	1

CLOSING PLATE

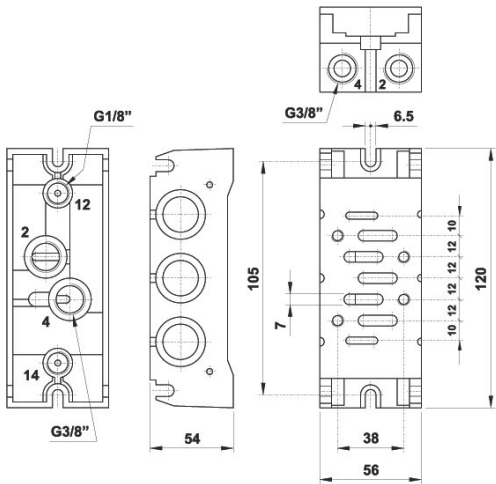


Part No.	Pack.
11V B9 0 00 00	1

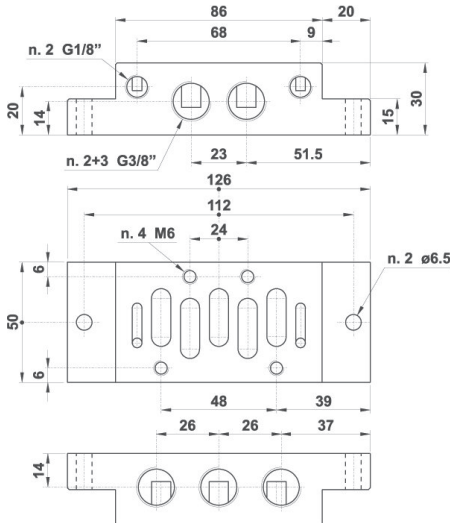
11V B1 0 00 00



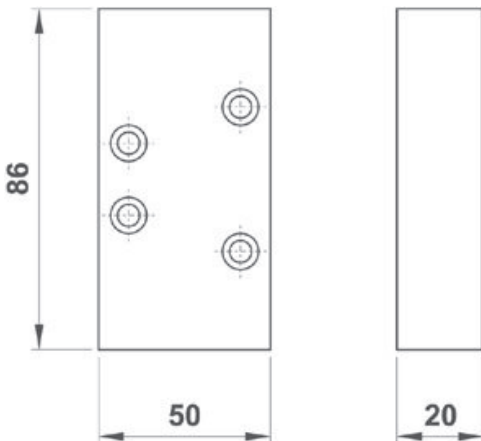
11V B3 0 00 00



11V B5 0 00 00



11V B9 0 00 00



Directive 2014/34/UE (ATEX)

The valves and accessories of the Series 01VP - 01VT - 01VL - 01W - 01VN - 01VBxx - 08VP - 01VA - 01VS - 07VS - 07VB - 08VS show the following features:

II 2 GD c T6 -10°C<Tamb<60°C

II 2 GD: Device for surface installations (II = do not use device in mining) with presence of gas, vapors of powders of category 2 (equipment with high safety factor since it excludes danger of explosion, even in case of damage; it can be used in areas with possible explosive environments).

c: Devices are constructively safe

T6 – 10°C<Tamb<60°C: Surface temperature class and additional marking for T usage environment.





TECHNICKÁ INŠPEKCIA, a.s.
SLOVENSKÁ REPUBLIKA



CEOC
INTERNATIONAL

ACKNOWLEDGEMENT OF RECEIPT

no. 1175/5/2015

Technická inšpekcia, a. s.,
Trnavská cesta 56, 821 01 Bratislava
Notified body: 1354,

confirms, that Technical File Documentation
prepared by
Aignep S.p.A.
Via Don G. Bazzoli 34, 25070 Bione (BS), Italy

has been received and stored according to the Directive 94/9/EC (ATEX) on
equipment and protective systems intended for use in potentially explosive atmospheres

Scope of Ex Equipment:

Pneumatic, manual puller/lever and servo-piloted valves, with related accessories
Models 01VP, 01VT, 01VL, 01VV, 01VN, 01VBxx, 08VP.
Solenoid assisted and pilot valves, single or multiple solenoid valves on manifold with
manual override and individual or multiple bases for miniature ones
Models 01VA, 01VS, 07VS, 07VB, 08VS

Classification:  II 2 GD c T6 -10°C<Tamb<60°C

Doc. no.	Issue
Technical Book according to 94/9/EC	20/3/2015 Rev.0

Technical documentation will be stored for 10 years until July 22nd, 2025.

Bratislava, July 22nd, 2015



301018
PDOKA1-41

On behalf of Technická inšpekcia, a.s.


Ing. Dušan Konický
General Director

14.94