

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

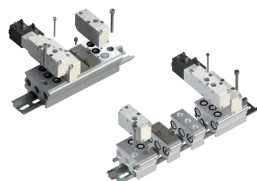
Mechanically Actuated Valves



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

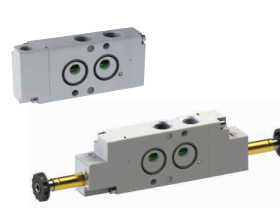
Miniature Solenoid Valves 15 mm



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

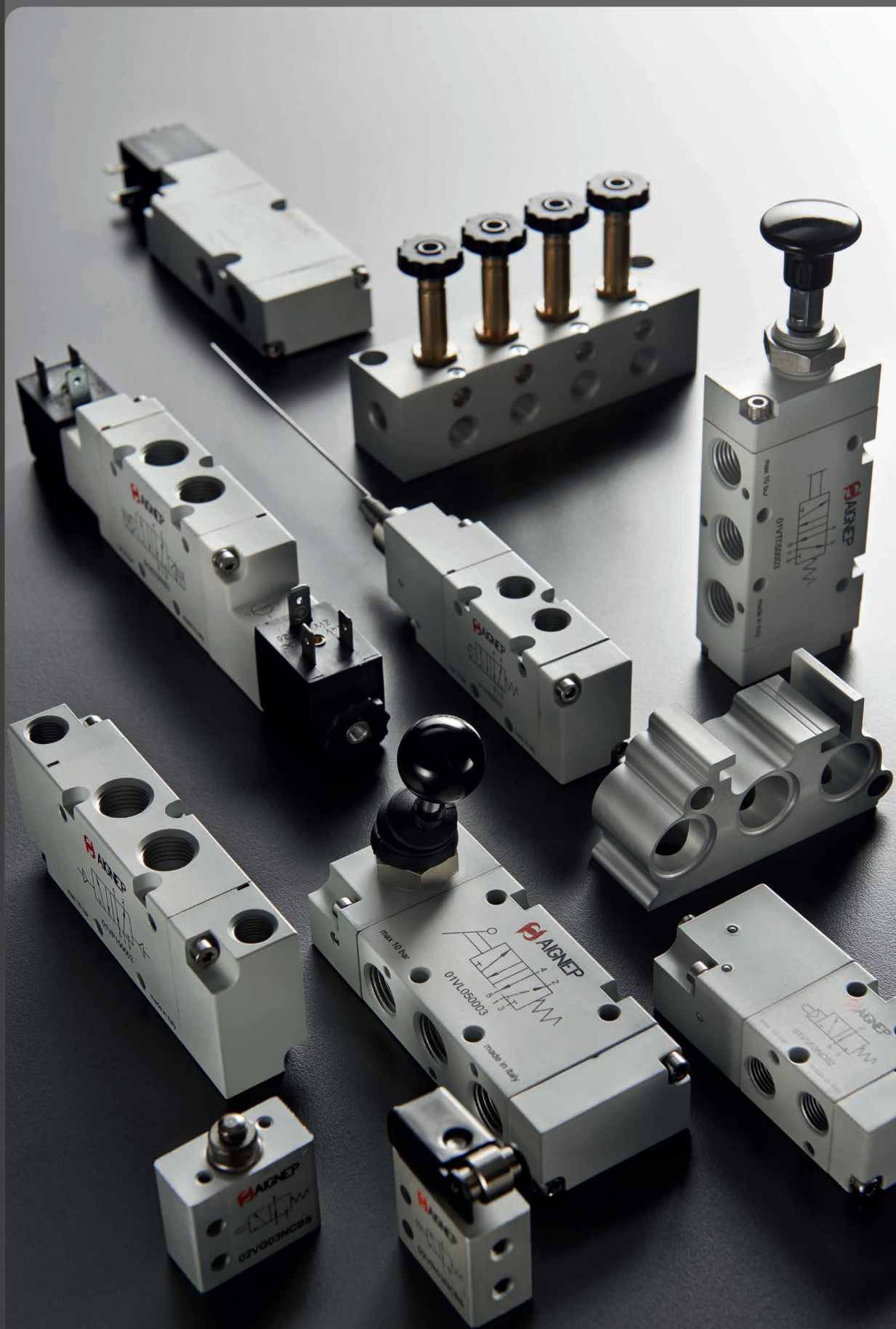
Solenoids and Connectors



Pg. 14.20 - Pg. 14.23

MANUAL, MECHANICAL, AIR PILOT AND SOLENOID PILOT VALVES

Valves



NAMUR VALVES

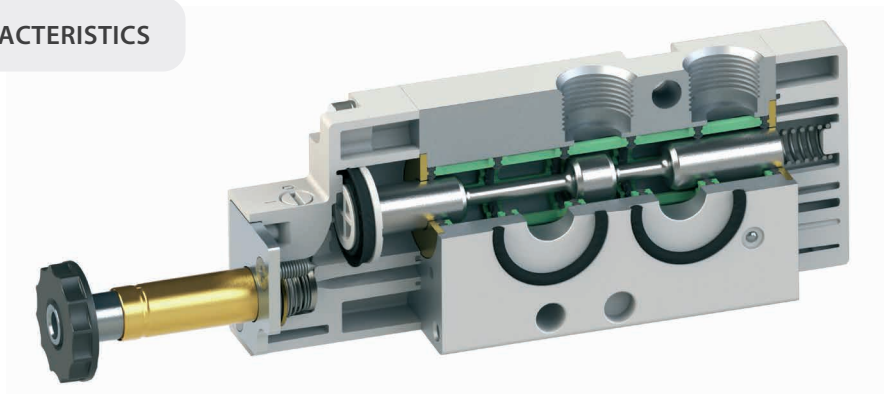
A80



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

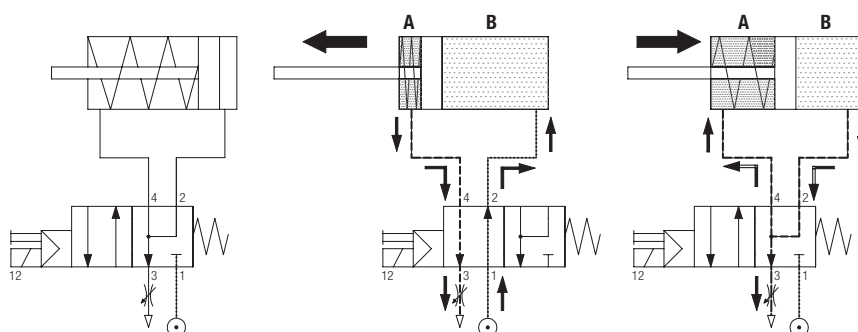
		1/4
	THREAD	G 1/4 - NPTF 1/4
	6 bar FLOW RATE with Δp 1 bar	1200 NI/min
	OPERATING PRESSURE	Monostable 2 ÷ 10 bar 29 ÷ 145 psi
		Bistable 1 ÷ 10 bar 14.5 ÷ 145 psi
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 140 °F
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC 110V AC - 220V AC
	MINIMUM POWER	2W - 3VA
	MANUAL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



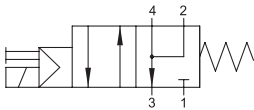
Schematic diagram of the valve NAMUR 4/2

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

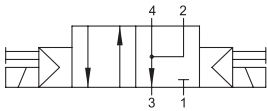


Part No.	Function	Size	Pack.
08V S0 4 NC 03	4/2 NC	G 1/4	1

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

4/2

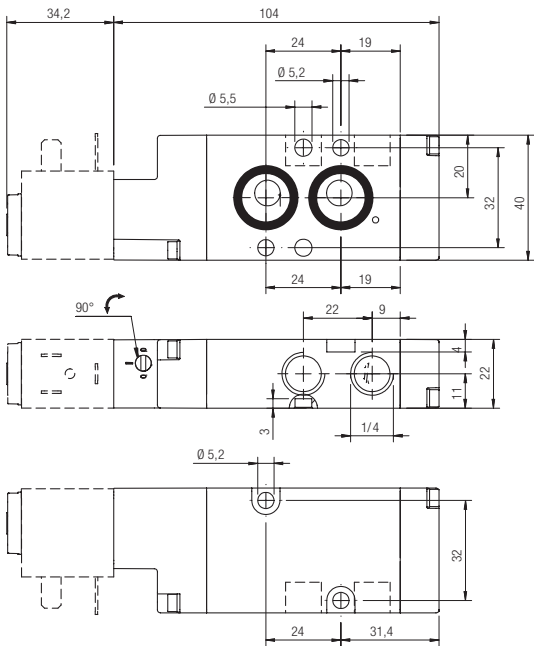
DOUBLE SOLENOID PILOT



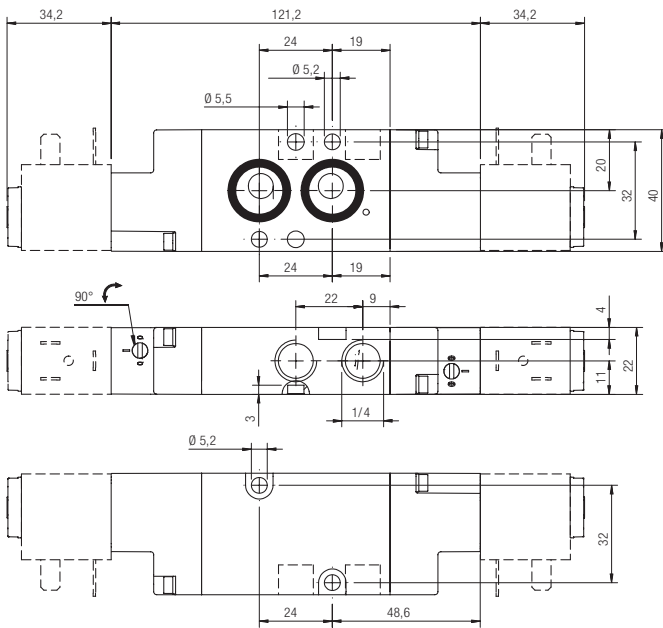
Part No.	Function	Size	Pack.
08V S1 4 00 03	4/2	G 1/4	1

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

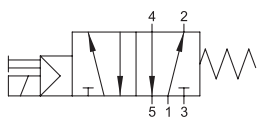
08V S0 4 NC 03 08V S0 4 NC 03 N



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

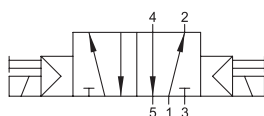


SINGLE SOLENOID PILOT - SPRING RETURN



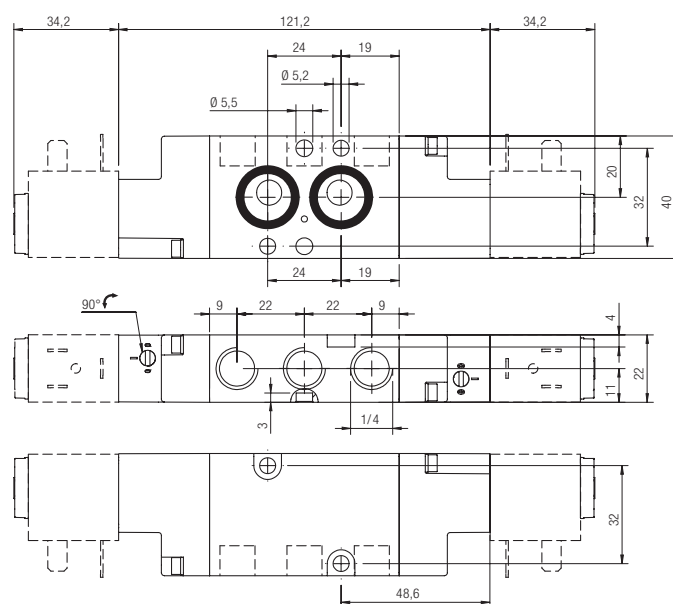
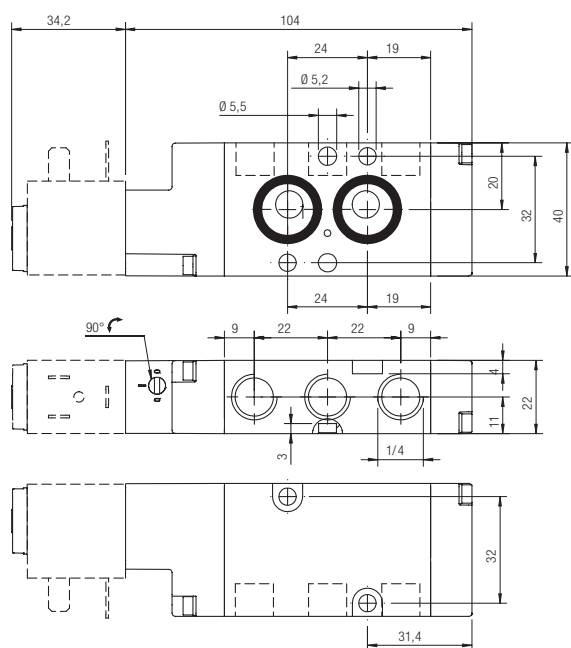
Part No.	Function	Size	Pack.
08V S0 5 00 03 N	5/2	NPTF 1/4	1

DOUBLE SOLENOID PILOT



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

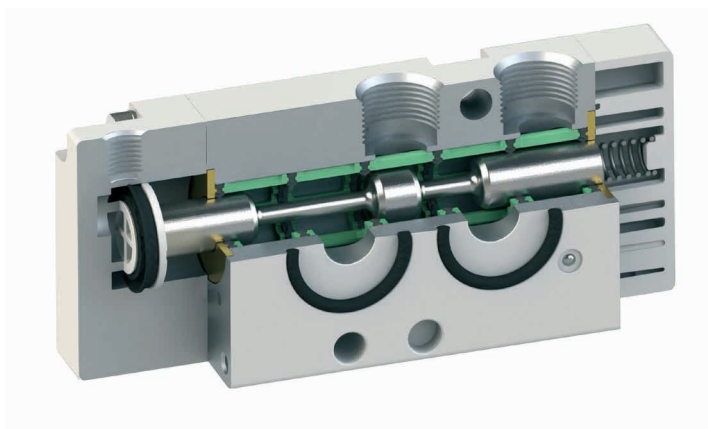
08V S1 5 00 03 08V S1 5 00 03 N



AIR PILOT VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

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PED
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VDI/VDE 3845



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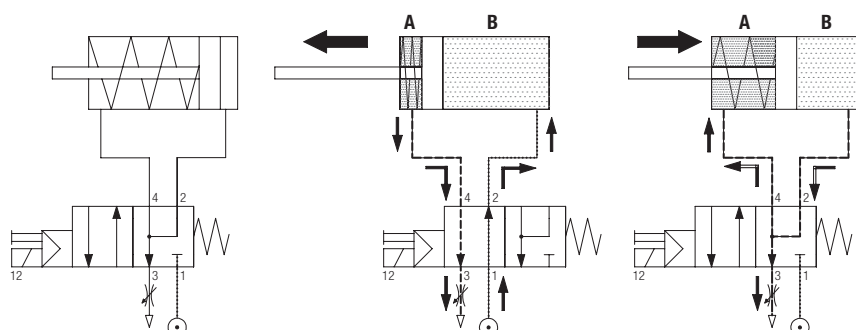
1/4		
	THREAD	G 1/4 - NPTF 1/4
	6 bar FLOW RATE with Δp 1 bar	1200 NI/min
	OPERATING PRESSURE	0 ÷ 10 bar 0 ÷ 145 psi
	PRESSURE DRIVE	Monostable 2 ÷ 10 bar 29 ÷ 145 psi
		Bistable 1 ÷ 10 bar 14,5 ÷ 145 psi
	TEMPERATURE	min -10 °C 14 °F
		max +60 °C 140 °F

Series	Actuation	Reactuation	Function	Size	Thread
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	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



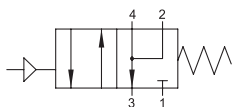
Schematic diagram of the valve NAMUR 4 / 2

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

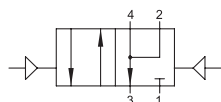


Part No.	Function	Size	Pack.
08V P0 4 NC 03	4/2 NC	G 1/4	1

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

4/2

DOUBLE AIR PILOT

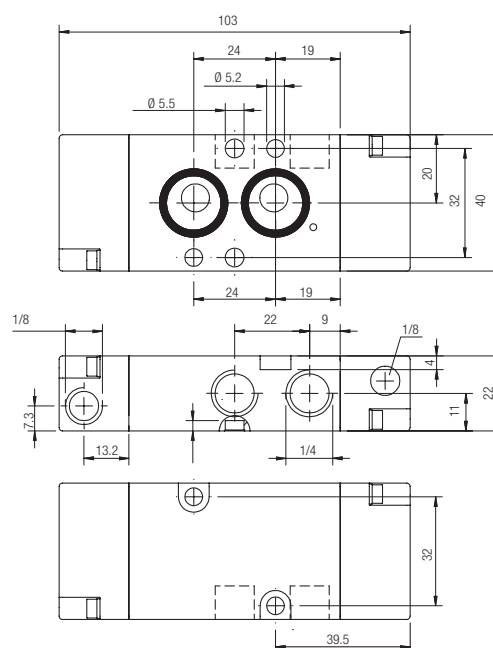
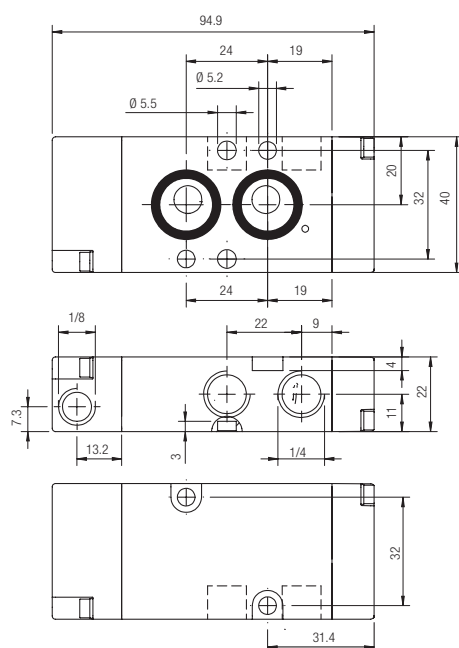


Part No.	Function	Size	Pack.
08V P1 4 00 03	4/2	G 1/4	1

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

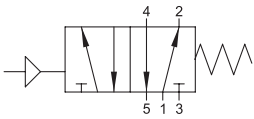
08V P0 4 NC 03 08V P0 4 NC 03 N

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



5/2

SINGLE AIR PILOT - SPRING RETURN

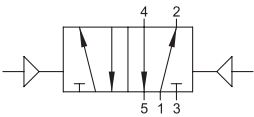


Part No.	Function	Size	Pack.
08V P0 5 00 03	5/2	G 1/4	1

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

