

Series 519

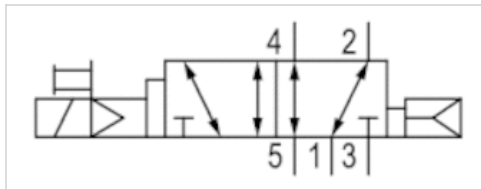


AVENTICS™ Series 519



5/2-directional valve, Series 519

- 5/2
- $Q_n = 175 \text{ l/min}$
- Pilot valve width : 15 mm
- Pipe connection
- Compressed air connection output : M5
- Electrical connection : Plug, EN 175301-803, form C
- Manual override : without detent
- single solenoid
- Air return with differential piston
- Pilot : Internal



Type	Spool valve
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	1.5 ... 8 bar
Control pressure min./max.	1.5 ... 8 bar
Ambient temperature min./max.	5 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Q_n	175 l/min
Connector standard	EN 175301-803
Protection class with connection	IP65
Duty cycle	100 %
Typ. switch-on time	20 ms
Typ. switch-off time	30 ms
mounting screws	M2.5 with slot
Weight	0.085 kg

Technical data

Part No.	Compressed air connection	Compressed air connection	Operational voltage
	Input	Output	DC
51900002	M5	M5	-
51900003	M5	M5	-
51900004	M5	M5	-
51900001	M5	M5	24 V

Part No.	Operational voltage	Power consumption	Switch-on power
	AC 50 Hz	DC	AC 50 Hz
51900002	24 V	-	2 VA
51900003	110 V	-	2 VA
51900004	230 V	-	2 VA
51900001	-	1.6 W	-

Technical information

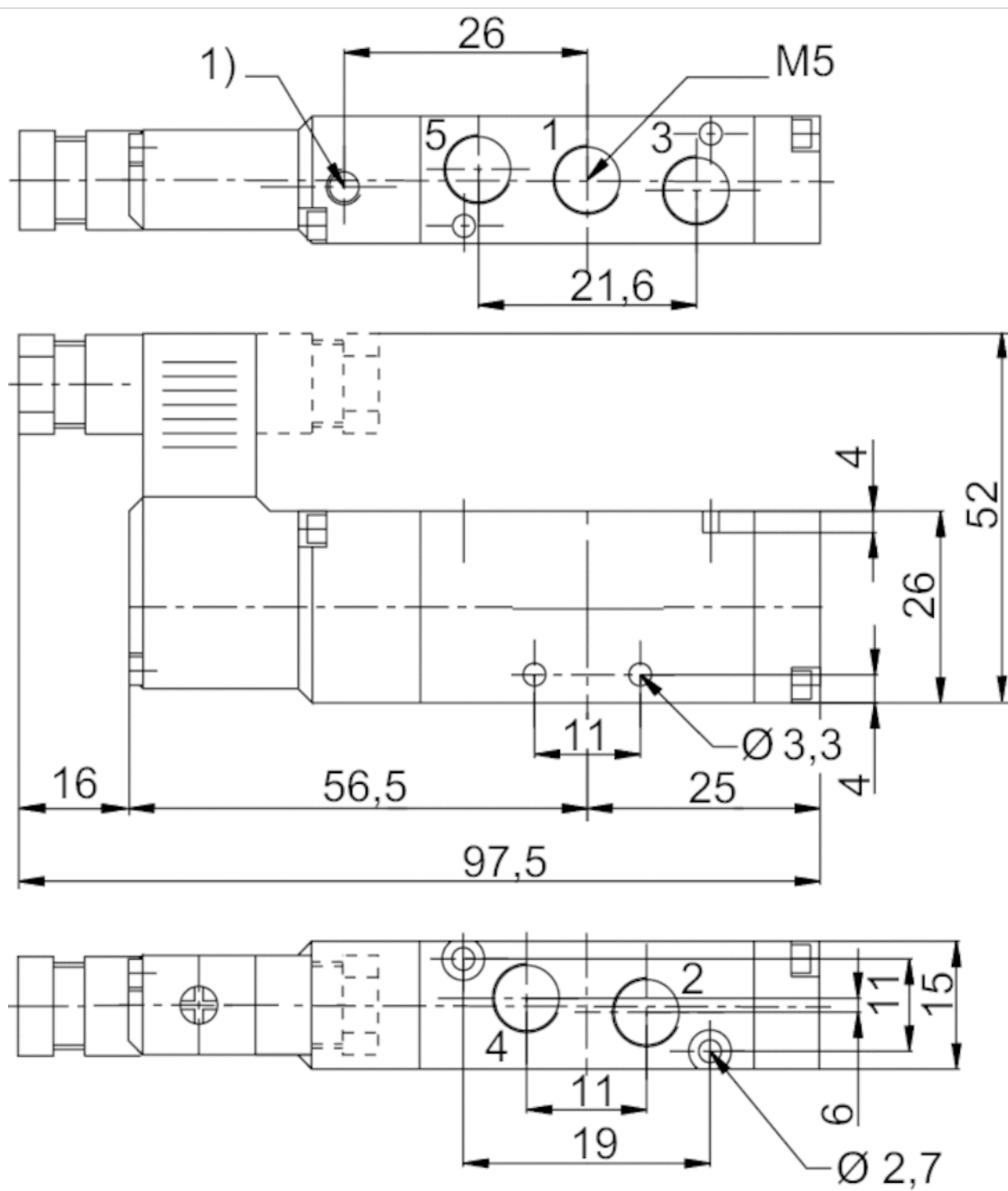
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

Material	
Housing	Aluminum, anodized
Seals	Nitrile butadiene rubber
Front plate	Polyoxymethylene
Threaded bushing	Aluminum

Dimensions

Dimensions



1) Pilot Exhaust