

5/2-directional valve, Series WV02

- 5/2
- Qn = 500 l/min
- Pilot valve width : 15 mm
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, ISO 15217, form C
- Manual override : without detent
- single solenoid double solenoid
- With spring/air spring return
- Pilot : Internal



Type	Spool valve, positive overlapping
Activation	Electrically
Pilot	Internal
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Control pressure min./max.	See table below
Ambient temperature min./max.	0 ... 50 °C
Medium temperature min./max.	0 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	500 l/min
Connector standard	ISO 15217
Protection class with connection	IP65
Duty cycle	100 %
Mounting on manifold strip	PRS strip
mounting screws	M3
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	
			Input	Output
0820038104			G 1/8	G 1/8
0820038102			G 1/8	G 1/8
0820038103			G 1/8	G 1/8
0820038105			G 1/8	G 1/8
0820038101			G 1/8	G 1/8
0820038604			G 1/8	G 1/8
0820038602			G 1/8	G 1/8
0820038603			G 1/8	G 1/8
0820038605			G 1/8	G 1/8
0820038601			G 1/8	G 1/8

Part No.	Operational voltage	Operational voltage	Operational voltage
	DC	AC 50 Hz	AC 60 Hz
0820038104	-	24 V	24 V
0820038102	24 V	-	-
0820038103	24 V	-	-
0820038105	-	110 V	110 V
0820038101	-	230 V	230 V
0820038604	-	24 V	24 V
0820038602	24 V	-	-
0820038603	24 V	-	-
0820038605	-	110 V	110 V
0820038601	-	230 V	230 V

Part No.	Voltage tolerance	Voltage tolerance	Voltage tolerance	Power consumption
	DC	AC 50 Hz	AC 60 Hz	DC
0820038104	-	-10% / +10%	-10% / +10%	-
0820038102	-10% / +10%	-	-	2 W
0820038103	-10% / +10%	-	-	1 W
0820038105	-	-10% / +10%	-10% / +10%	-
0820038101	-	-10% / +10%	-10% / +10%	-
0820038604	-	-10% / +10%	-10% / +10%	-
0820038602	-10% / +10%	-	-	2 W
0820038603	-10% / +10%	-	-	1 W
0820038605	-	-10% / +10%	-10% / +10%	-
0820038601	-	-10% / +10%	-10% / +10%	-

Part No.	Holding power	Holding power	Switch-on power	Switch-on power
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
0820038104	1,6 VA	1,4 VA	2,2 VA	2 VA
0820038102	-	-	-	-
0820038103	-	-	-	-
0820038105	1,6 VA	1,4 VA	2,2 VA	2 VA
0820038101	1,6 VA	1,4 VA	2,2 VA	2 VA
0820038604	1,6 VA	1,4 VA	2,2 VA	2 VA

Part No.	Holding power	Holding power	Switch-on power	Switch-on power
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
0820038602	-	-	-	-
0820038603	-	-	-	-
0820038605	1,6 VA	1,4 VA	2,2 VA	2 VA
0820038601	1,6 VA	1,4 VA	2,2 VA	2 VA

Part No.	Working pressure min./max.	Control pressure min./max.	Typ. switch-on time	Typ. switch-off time
0820038104	2 ... 10 bar	2 ... 10 bar	11 ms	14 ms
0820038102	2 ... 10 bar	2 ... 10 bar	11 ms	14 ms
0820038103	2 ... 10 bar	2 ... 10 bar	12 ms	16 ms
0820038105	2 ... 10 bar	2 ... 10 bar	11 ms	14 ms
0820038101	2 ... 10 bar	2 ... 10 bar	11 ms	14 ms
0820038604	1,5 ... 10 bar	1,5 ... 10 bar	8 ms	-
0820038602	1,5 ... 10 bar	1,5 ... 10 bar	8 ms	-
0820038603	1,5 ... 10 bar	1,5 ... 10 bar	10 ms	-
0820038605	1,5 ... 10 bar	1,5 ... 10 bar	8 ms	-
0820038601	1,5 ... 10 bar	1,5 ... 10 bar	8 ms	-

Part No.	Weight	
0820038104	0,11 kg	-
0820038102	0,11 kg	-
0820038103	0,11 kg	1)
0820038105	0,11 kg	-
0820038101	0,11 kg	-
0820038604	0,16 kg	-
0820038602	0,16 kg	-
0820038603	0,16 kg	1)
0820038605	0,16 kg	-
0820038601	0,16 kg	-

1) Low power consumption

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.

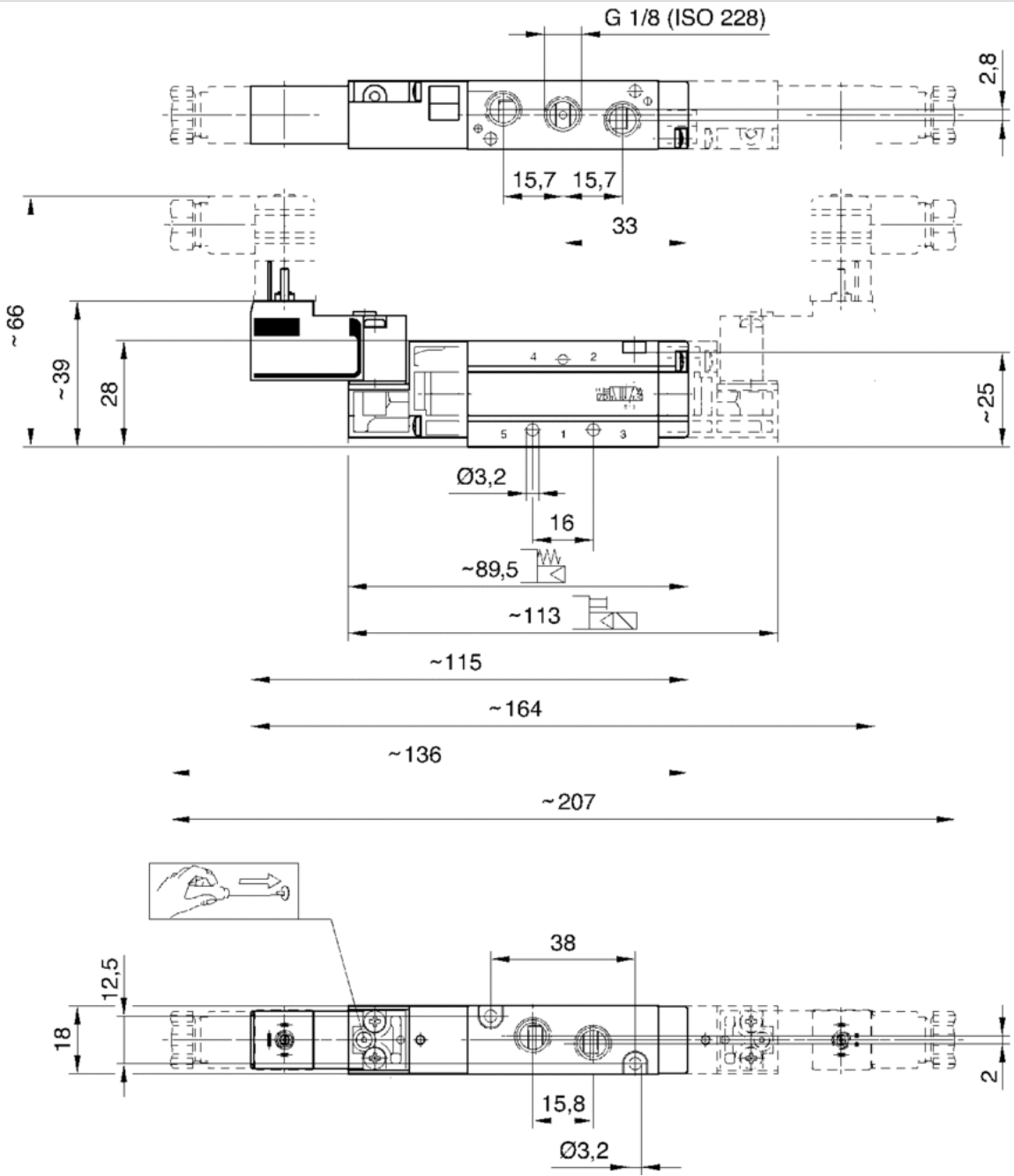
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Aluminum, anodized
Seals	Hydrogenated acrylonitrile butadiene rubber
Front plate	Polyamide
Threaded bushing	Aluminum

Dimensions

Dimensions



Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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