

# 3/2-directional valve, Series DO22

- 3/2
- Pipe connection
- Compressed air connection output : G 1/8
- Electrical connection : Plug, ISO 6952, form B
- Manual override : with detent without
- With spring return



Type	Poppet valve
Activation	Electrically
Sealing principle	Soft sealing
Working pressure min./max.	See table below
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 5 mg/m <sup>3</sup>
Nominal flow 1 ▶ 2	See table below
Nominal flow 2 ▶ 3	See table below
Protection class with connection	IP65
Compatibility index	See table below
Duty cycle	100 %
mounting screws	M4
Weight	0,11 kg

## Technical data

Part No.	MO	Compressed air connection	
		Input	Output
0820019312		G 1/8	G 1/8
0820019311		G 1/8	G 1/8
0820019314		G 1/8	G 1/8
0820019313		G 1/8	G 1/8
0820019310		G 1/8	G 1/8
0820019361		M5	G 1/8
0820019976		G 1/8	G 1/8
0820019978		G 1/8	G 1/8
0820019302	—	G 1/8	G 1/8
0820019327	—	G 1/8	G 1/8
0820019301	—	G 1/8	G 1/8
0820019304	—	G 1/8	G 1/8
0820019303	—	G 1/8	G 1/8
0820019300	—	G 1/8	G 1/8
0820019975	—	G 1/8	G 1/8

Part No.	Compressed air connection		Operational voltage	Operational voltage
	Exhaust			
0820019312	M5		-	24 V
0820019311	M5		24 V	-

Part No.	Compressed air connection	Operational voltage	Operational voltage
	Exhaust	DC	AC 50 Hz
0820019314	M5	24 V	-
0820019313	M5	-	-
0820019310	M5	-	230 V
0820019361	G 1/8	24 V	-
0820019976	M5	-	-
0820019978	M5	-	-
0820019302	M5	-	24 V
0820019327	M5	-	24 V
0820019301	M5	24 V	-
0820019304	M5	24 V	-
0820019303	M5	-	-
0820019300	M5	-	230 V
0820019975	M5	-	-

Part No.	Operational voltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
0820019312	-	-	-10% / +10%	-
0820019311	-	-10% / +10%	-	-
0820019314	-	-10% / +10%	-	-
0820019313	110 V	-	-	-10% / +10%
0820019310	-	-	-10% / +10%	-
0820019361	-	-10% / +10%	-	-
0820019976	-	-	-	-
0820019978	-	-	-	-
0820019302	-	-	-10% / +10%	-
0820019327	-	-	-10% / +10%	-
0820019301	-	-10% / +10%	-	-
0820019304	-	-10% / +10%	-	-
0820019303	110 V	-	-	-10% / +10%
0820019300	-	-	-10% / +10%	-
0820019975	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
0820019312	-	8,5 VA	-	11 VA
0820019311	4,8 W	-	-	-
0820019314	2,6 W	-	-	-
0820019313	-	-	6,9 VA	-
0820019310	-	9,7 VA	-	12,6 VA
0820019361	4,8 W	-	-	-
0820019976	-	-	-	-
0820019978	-	-	-	-
0820019302	-	8,5 VA	-	11 VA
0820019327	-	8,5 VA	-	11 VA
0820019301	4,8 W	-	-	-
0820019304	2,6 W	-	-	-
0820019303	-	-	6,9 VA	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
0820019300	-	9,7 VA	-	12,6 VA
0820019975	-	-	-	-

Part No.	Switch-on power	Nominal flow 1 ▶ 2	Nominal flow 2 ▶ 3	Working pressure min./max.	Compatibility index
	AC 60 Hz				
0820019312	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019311	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019314	-	55 l/min	80 l/min	0 ... 7 bar	13
0820019313	9,4 VA	72 l/min	88 l/min	0 ... 7 bar	14
0820019310	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019361	-	82 l/min	57 l/min	0 ... 7 bar	14
0820019976	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019978	-	55 l/min	80 l/min	0 ... 10 bar	14
0820019302	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019327	-	55 l/min	80 l/min	0 ... 10 bar	14
0820019301	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019304	-	55 l/min	80 l/min	0 ... 7 bar	13
0820019303	9,4 VA	72 l/min	88 l/min	0 ... 7 bar	14
0820019300	-	72 l/min	88 l/min	0 ... 7 bar	14
0820019975	-	72 l/min	88 l/min	0 ... 7 bar	14

Part No.	basic valve with electrical connector	Power consumption	ATEX
0820019312	-	-	-
0820019311	-	-	-
0820019314	-	Low power consumption	-
0820019313	-	-	-
0820019310	-	-	-
0820019361	-	-	-
0820019976	Basic valve without coil	-	suitable for ATEX
0820019978	Basic valve without coil	-	suitable for ATEX
0820019302	-	-	-
0820019327	-	-	-
0820019301	-	-	-
0820019304	-	Low power consumption	-
0820019303	-	-	-
0820019300	-	-	-
0820019975	Basic valve without coil	-	suitable for ATEX

Nominal flow Qn at 6 bar and  $\Delta p = 1$  bar, MO = Manual override

## 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.

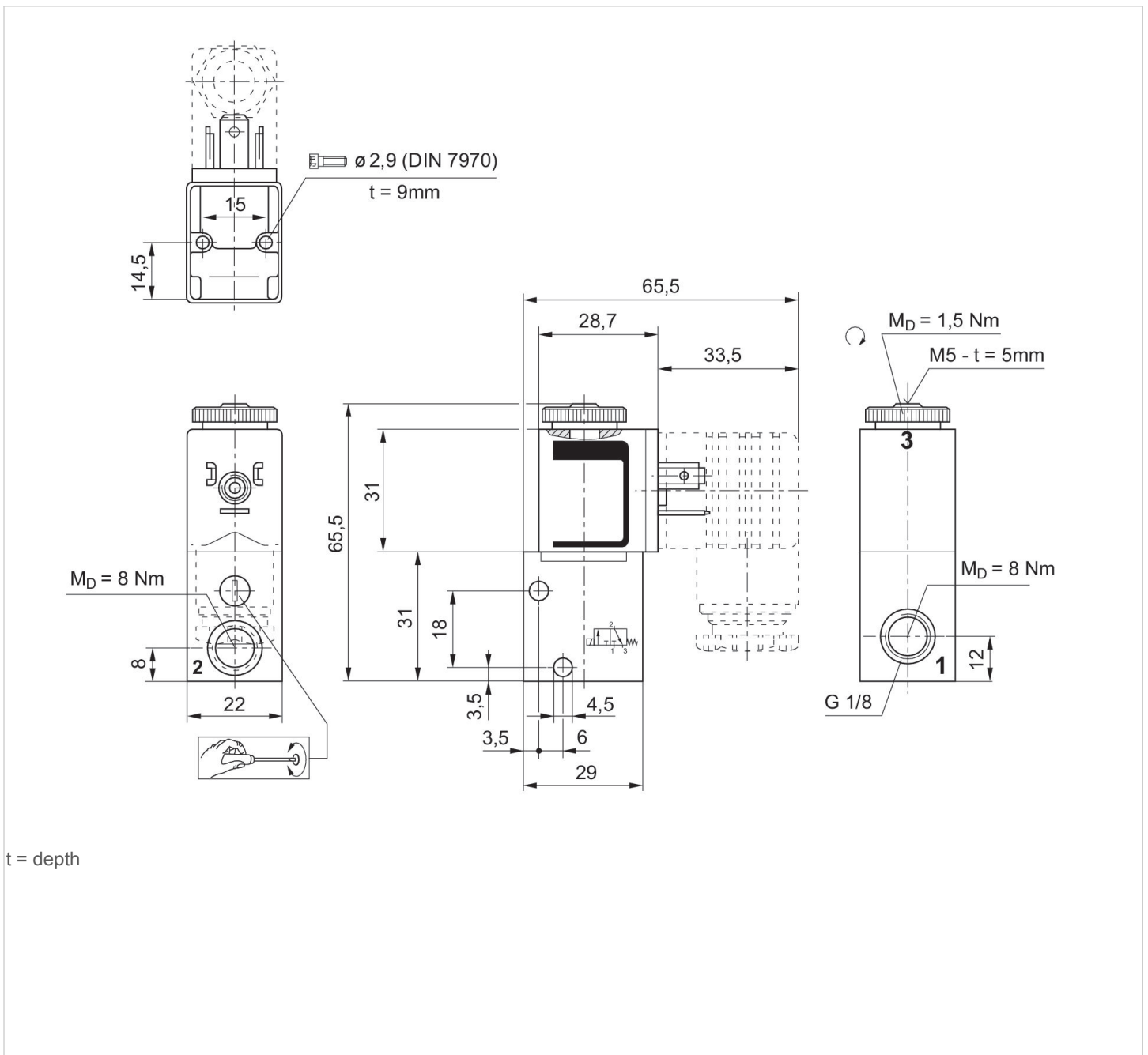
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

## Technical information

Material	
Housing	Polyamide
Seals	Fluorocaoutchouc

## Dimensions

### Dimensions



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