

3/2-directional valve, Series DO30


































- 3/2

- Pilot valve width : 30 mm
- Plate valve with pipe connection
- Compressed air connection output : CNOMO
- Electrical connection : Plug, EN 175301-803, form A
- Manual override : without detent with detent
- With spring return



Type	Poppet valve
Activation	Electrically
Sealing principle	Soft sealing
Standards	CNOMO / NFE 49-003-1
Working pressure min./max.	0 ... 10 bar
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 ³
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 on manifold strip	P-strip
mounting screws	M4
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	
			Input	Output
0820019527			CNOMO	CNOMO
0820019526			CNOMO	CNOMO
0820019529			CNOMO	CNOMO
0820019528			CNOMO	CNOMO
0820019525			CNOMO	CNOMO
0820019985			CNOMO	CNOMO
0820019986			CNOMO	CNOMO
0820019987			M5	CNOMO
0820019982			M5	CNOMO
0820019502			CNOMO	CNOMO
0820019501			CNOMO	CNOMO
0820019504			CNOMO	CNOMO
0820019503			CNOMO	CNOMO
0820019500			CNOMO	CNOMO
0820019980			CNOMO	CNOMO
0820019981			CNOMO	CNOMO

Part No.	Compressed air connection		Operational voltage	
	Exhaust		DC	AC 50 Hz
0820019527	M5		-	24 V
0820019526	M5		24 V	-
0820019529	M5		24 V	-
0820019528	M5		-	-
0820019525	M5		-	230 V
0820019985	M5		-	-
0820019986	M5		-	-
0820019987	CNOMO		-	-
0820019982	CNOMO		-	-
0820019502	M5		-	24 V
0820019501	M5		24 V	-
0820019504	M5		24 V	-
0820019503	M5		-	-
0820019500	M5		-	230 V
0820019980	M5		-	-
0820019981	M5		-	-

Part No.	Operational voltage		Voltage tolerance	
	AC 60 Hz		AC 50 Hz	AC 60 Hz
0820019527	-		-10% / +10%	-
0820019526	-		-	-
0820019529	-		-	-
0820019528	110 V		-	-10% / +10%
0820019525	-		-10% / +10%	-
0820019985	-		-	-

Part No.	Operational voltage	Voltage tolerance	
		AC 50 Hz	AC 60 Hz
0820019986	-	-	-
0820019987	-	-	-
0820019982	-	-	-
0820019502	-	-10% / +10%	-
0820019501	-	-	-
0820019504	-	-	-
0820019503	110 V	-	-10% / +10%
0820019500	-	-10% / +10%	-
0820019980	-	-	-
0820019981	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
0820019527	-	8 VA	-	11,5 VA
0820019526	4,5 W	-	-	-
0820019529	2,7 W	-	-	-
0820019528	-	-	5,6 VA	-
0820019525	-	9,1 VA	-	12,6 VA
0820019985	-	-	-	-
0820019986	-	-	-	-
0820019987	-	-	-	-
0820019982	-	-	-	-
0820019502	-	8 VA	-	11,5 VA
0820019501	4,5 W	-	-	-
0820019504	2,7 W	-	-	-
0820019503	-	-	5,6 VA	-
0820019500	-	9,1 VA	-	12,6 VA
0820019980	-	-	-	-
0820019981	-	-	-	-

Part No.	Switch-on power	Nominal flow 1 ▶ 2	Nominal flow 2 ▶ 3	Compatibility index
	AC 60 Hz			
0820019527	-	68 l/min	90 l/min	15
0820019526	-	68 l/min	90 l/min	15
0820019529	-	54 l/min	80 l/min	14
0820019528	9,5 VA	68 l/min	90 l/min	15
0820019525	-	68 l/min	90 l/min	15
0820019985	-	68 l/min	90 l/min	15
0820019986	-	54 l/min	80 l/min	14
0820019987	-	72 l/min	105 l/min	15
0820019982	-	72 l/min	105 l/min	15
0820019502	-	65 l/min	80 l/min	15
0820019501	-	65 l/min	80 l/min	15
0820019504	-	54 l/min	80 l/min	14
0820019503	9,5 VA	65 l/min	80 l/min	15
0820019500	-	65 l/min	80 l/min	15
0820019980	-	65 l/min	80 l/min	15
0820019981	-	54 l/min	80 l/min	14

Part No.	basic valve with electrical connector	Power consumption	ATEX
0820019527	-	Higher voltage tolerance	-
0820019526	-	Higher voltage tolerance	-
0820019529	-	Low power consumption	-
0820019528	-	Higher voltage tolerance	-
0820019525	-	Higher voltage tolerance	-
0820019985	Basic valve without coil	Higher voltage tolerance	suitable for ATEX
0820019986	Basic valve without coil	Low power consumption	suitable for ATEX
0820019987	Basic valve without coil	Higher voltage tolerance	suitable for ATEX
0820019982	Basic valve without coil	Higher voltage tolerance	suitable for ATEX
0820019502	-	Higher voltage tolerance	-
0820019501	-	Higher voltage tolerance	-
0820019504	-	Low power consumption	-
0820019503	-	Higher voltage tolerance	-
0820019500	-	Higher voltage tolerance	-
0820019980	Basic valve without coil	Higher voltage tolerance	suitable for ATEX
0820019981	Basic valve without coil	Low power consumption	suitable for ATEX

Part No.	Weight	
0820019527	0,16 kg	-
0820019526	0,16 kg	-
0820019529	0,16 kg	-
0820019528	0,16 kg	-
0820019525	0,16 kg	-
0820019985	0,06 kg	1)
0820019986	0,07 kg	-
0820019987	0,08 kg	-
0820019982	0,06 kg	-
0820019502	0,16 kg	-
0820019501	0,16 kg	-
0820019504	0,16 kg	-
0820019503	0,16 kg	-
0820019500	0,16 kg	-
0820019980	0,06 kg	1)
0820019981	0,06 kg	-

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

1) pilot valve without coil

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).

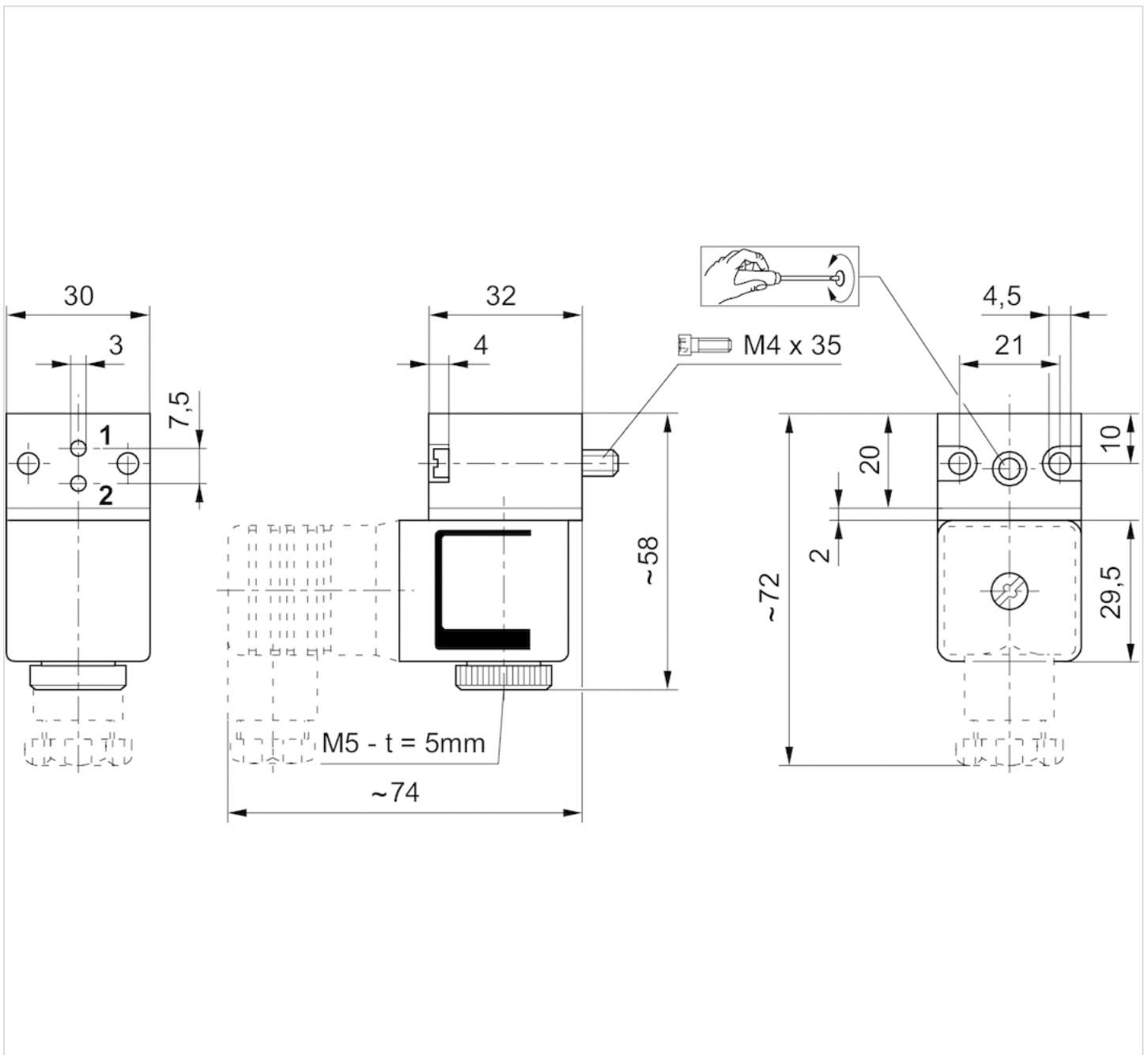
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

Material	
Housing	Plastic
Seals	Fluorocaoutchouc

Dimensions

Dimensions



t = depth

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



Visit us: [Emerson.com/Aventics](https://www.emerson.com/Aventics)

Your local contact: [Emerson.com/contactus](https://www.emerson.com/contactus)



[Emerson.com](https://www.emerson.com)



[Facebook.com/EmersonAutomationSolutions](https://www.facebook.com/EmersonAutomationSolutions)



[LinkedIn.com/company/Emerson-Automation-Solutions](https://www.linkedin.com/company/Emerson-Automation-Solutions)



[Twitter.com/EMR_Automation](https://twitter.com/EMR_Automation)

An example configuration is depicted on the title page. The delivered product may thus vary from that in the illustration. Subject to change. This Document, as well as the data, specifications and other information set forth in it, are the exclusive property of AVENTICS GmbH. It may not be reproduced or given to third parties without its consent. Only use the AVENTICS products shown in industrial applications. Read the product documentation completely and carefully before using the product. Observe the applicable regulations and laws of the respective country. When integrating the product into applications, note the system manufacturer's specifications for safe use of the product. The data specified only serve to describe the product. No statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgement and verification. It must be remembered that the products are subject to a natural process of wear and aging.

The Emerson logo is a trademark and service mark of Emerson Electric Co. Brand logotype are registered trademarks of one of the Emerson family of companies. All other marks are the property of their respective owners. © 2021 Emerson Electric Co. All rights reserved.
2021-05



CONSIDER IT SOLVED™