



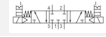
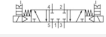
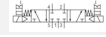
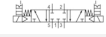
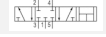

5/3-directional valve, Series CERAM™, size 2

- 5/3
- Qn = 2400 l/min
- Pilot valve width : 30 mm CNOMO
- closed center
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid single solenoid
- Pilot : Internal External



Activation	Electrically
Sealing principle	Ceramic
Blocking principle	Single base plate principle
Standards	ISO 5599-1, ISO 2
Working pressure min./max.	0 ... 10.3 bar
Control pressure min./max.	See table below
Ambient temperature min./max.	-15 ... 66 °C
Medium temperature min./max.	-15 ... 66 °C
Medium	Compressed air
Nominal flow Qn	2400 l/min
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
Mounting screw tightening torque	2.2 Nm
Weight	See table below

Technical data

Part No.		MO		Compressed air connection	
					Pilot Exhaust
R432006078		T R - T R - T R - T R - T R - T R -		closed center	Base plate ISO 5599-1
R432006079				closed center	Base plate ISO 5599-1
R432006082				closed center	Base plate ISO 5599-1
R432006076				closed center	Base plate ISO 5599-1
R432006077				closed center	Base plate ISO 5599-1
R432002441				closed center	Base plate ISO 5599-1
R432002443				closed center	Base plate ISO 5599-1

Part No.	Operational voltage		Operational voltage	
	DC	AC 50 Hz	AC 50 Hz	AC 60 Hz
R432006078	12 V	-	-	-
R432006079	24 V	-	-	-
R432006082	-	24 V	24 V	24 V
R432006076	-	110 V	110 V	120 V
R432006077	-	220 V	220 V	240 V
R432002441	-	-	-	-
R432002443	-	-	-	-

Part No.	Voltage tolerance		Voltage tolerance		Power consumption	
	DC	AC 50 Hz	AC 50 Hz	AC 60 Hz	DC	
R432006078	-10% / +10%	-	-	-	2.7 W	
R432006079	-10% / +10%	-	-	-	2.7 W	
R432006082	-	-10% / +10%	-10% / +10%	-10% / +10%	-	
R432006076	-	-10% / +10%	-10% / +10%	-10% / +10%	-	
R432006077	-	-10% / +10%	-10% / +10%	-10% / +10%	-	
R432002441	-	-	-	-	-	
R432002443	-	-	-	-	-	

Part No.	Holding power		Switch-on power		Pilot
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
R432006078	-	-	-	-	Internal
R432006079	-	-	-	-	Internal
R432006082	3.7 VA	3.7 VA	6.4 VA	6.4 VA	Internal
R432006076	3.7 VA	3.7 VA	6.4 VA	6.4 VA	Internal
R432006077	3.7 VA	3.7 VA	6.4 VA	6.4 VA	Internal
R432002441	-	-	-	-	External
R432002443	-	-	-	-	Internal

Part No.	Control pressure min./max.	Valve plug connector
R432006078	2 ... 10.3 bar	Without valve plug connector
R432006079	2 ... 10.3 bar	Without valve plug connector
R432006082	2 ... 10.3 bar	Without valve plug connector
R432006076	2 ... 10.3 bar	Without valve plug connector
R432006077	2 ... 10.3 bar	Without valve plug connector
R432002441	-0.95 ... 10.3 bar	Without valve plug connector

Part No.	Control pressure min./max.	Valve plug connector
R432002443	2 ... 10.3 bar	Without valve plug connector

Part No.	basic valve with electrical connector	Mounting screw	Weight
R432006078	-	M6 with hexagon socket	2.15 kg
R432006079	-	M6 with hexagon socket	2.15 kg
R432006082	-	M6 with hexagon socket	-
R432006076	-	M6 with hexagon socket	2.15 kg
R432006077	-	M6 with hexagon socket	1.45 kg
R432002441	Basic valve without coil	M5 with hexagon socket	2.15 kg
R432002443	Basic valve without coil	M6 with hexagon socket	2.15 kg

Nominal flow Q_n 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.

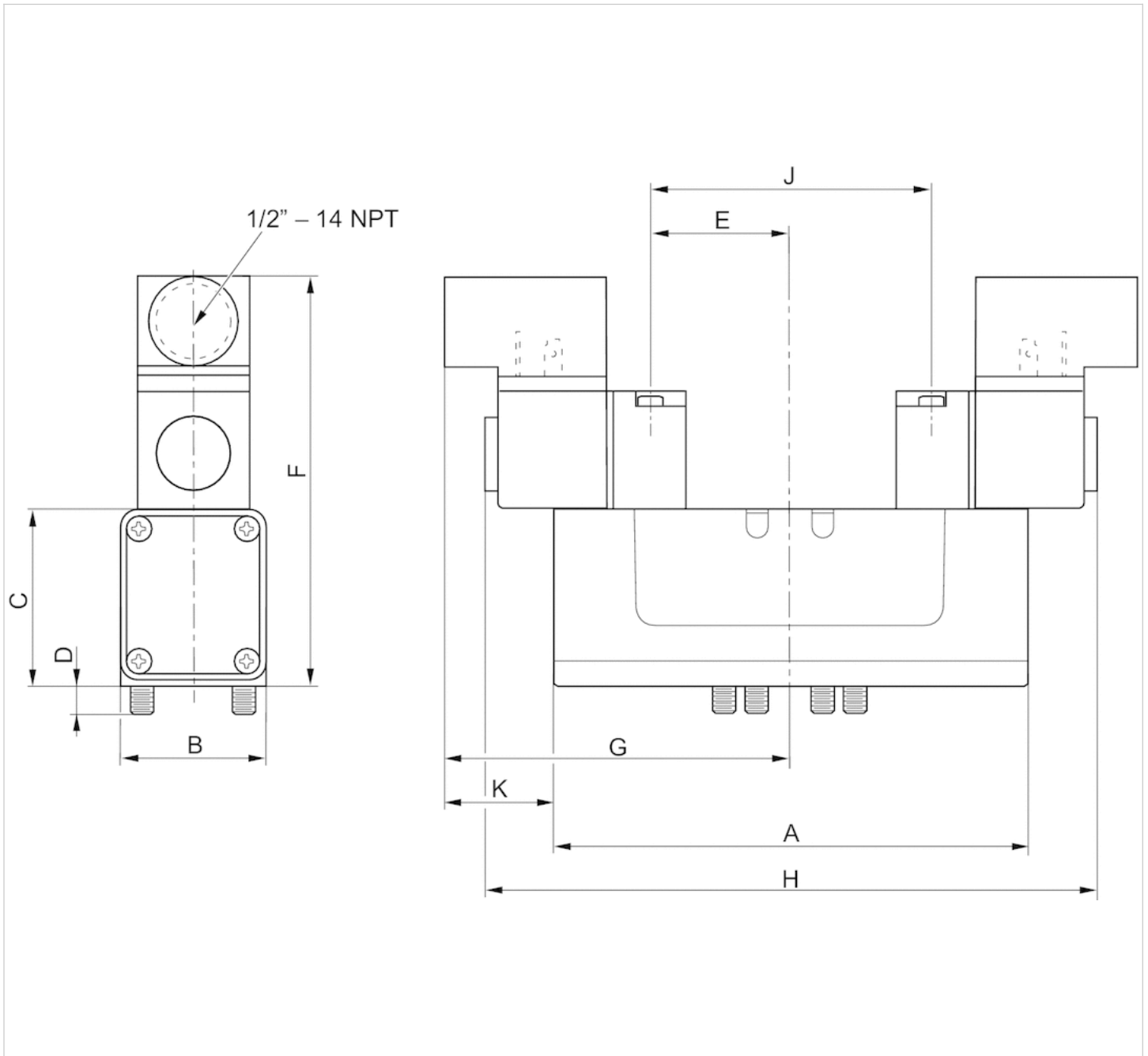
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die-cast aluminum, painted gray

Dimensions

Dimensions in inches



Dimensions in inches

Part No.	A	B	C	D	E	F	G	H	J	K
R432006078	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006079	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006082	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006076	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006077	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
-	-	-	-	-	-	-	-	-	-	-
R432002443	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92

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. © 2020 Emerson Electric Co. All rights reserved.
2020-12



CONSIDER IT SOLVED™