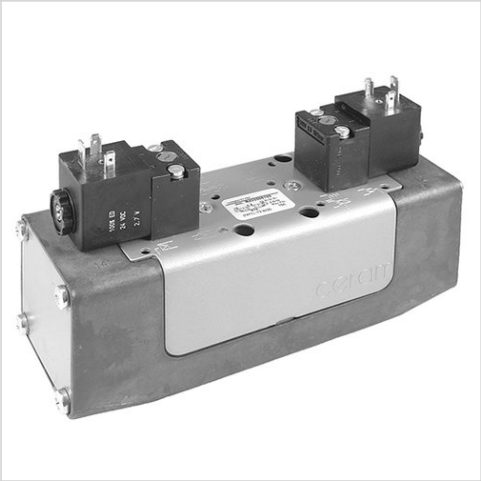
5/2-directional valve, Series CERAM™, size 4

- 5/2
- Qn = 7500 l/min
- Pilot valve width : 30 mm CNOMO
- 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 4
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	7500 l/min
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Pilot Exhaust	DC
R432030353			Base plate ISO 5599-1	12 V
R432006341			Base plate ISO 5599-1	24 V
R432030178			Base plate ISO 5599-1	-
R432006339			Base plate ISO 5599-1	-
R432006340			Base plate ISO 5599-1	-
R432002466			Base plate ISO 5599-1	-
R432002469			Base plate ISO 5599-1	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
R432030353	-	-	-10% / +10%
R432006341	-	-	-10% / +10%
R432030178	24 V	24 V	-
R432006339	110 V	120 V	-
R432006340	220 V	240 V	-
R432002466	-	-	-
R432002469	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R432030353	-	-	2.7 W	-
R432006341	-	-	2.7 W	-
R432030178	-10% / +10%	-10% / +10%	-	3.7 VA
R432006339	-10% / +10%	-10% / +10%	-	3.7 VA
R432006340	-10% / +10%	-10% / +10%	-	3.7 VA
R432002466	-	-	-	-
R432002469	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
R432030353	-	-	-	Internal	2 ... 10.3 bar
R432006341	-	-	-	Internal	2 ... 10.3 bar
R432030178	3.7 VA	6.4 VA	6.4 VA	Internal	2 ... 10.3 bar
R432006339	3.7 VA	6.4 VA	6.4 VA	Internal	2 ... 10.3 bar
R432006340	3.7 VA	6.4 VA	6.4 VA	Internal	2 ... 10.3 bar
R432002466	-	-	-	External	2.5 ... 10.3 bar
R432002469	-	-	-	Internal	2 ... 10.3 bar

Part No.	Valve plug connector	basic valve with electrical connector
R432030353	Without valve plug connector	-
R432006341	Without valve plug connector	-
R432030178	Without valve plug connector	-
R432006339	Without valve plug connector	-
R432006340	Without valve plug connector	-

Part No.	Valve plug connector	basic valve with electrical connector
R432002466	Without valve plug connector	Basic valve without coil
R432002469	Without valve plug connector	Basic valve without coil

Part No.	Mounting screw	Weight
R432030353	M8 with hexagon socket	2.46 kg
R432006341	M8 with hexagon socket	2.46 kg
R432030178	M8 with hexagon socket	2.46 kg
R432006339	M8 with hexagon socket	2.46 kg
R432006340	M8 with hexagon socket	2.46 kg
R432002466	M5 with hexagon socket	2.32 kg
R432002469	M8 with hexagon socket	2.32 kg

Nominal flow Qn at 6 bar and Δp = 1 bar

MO = Manual override

Technical information

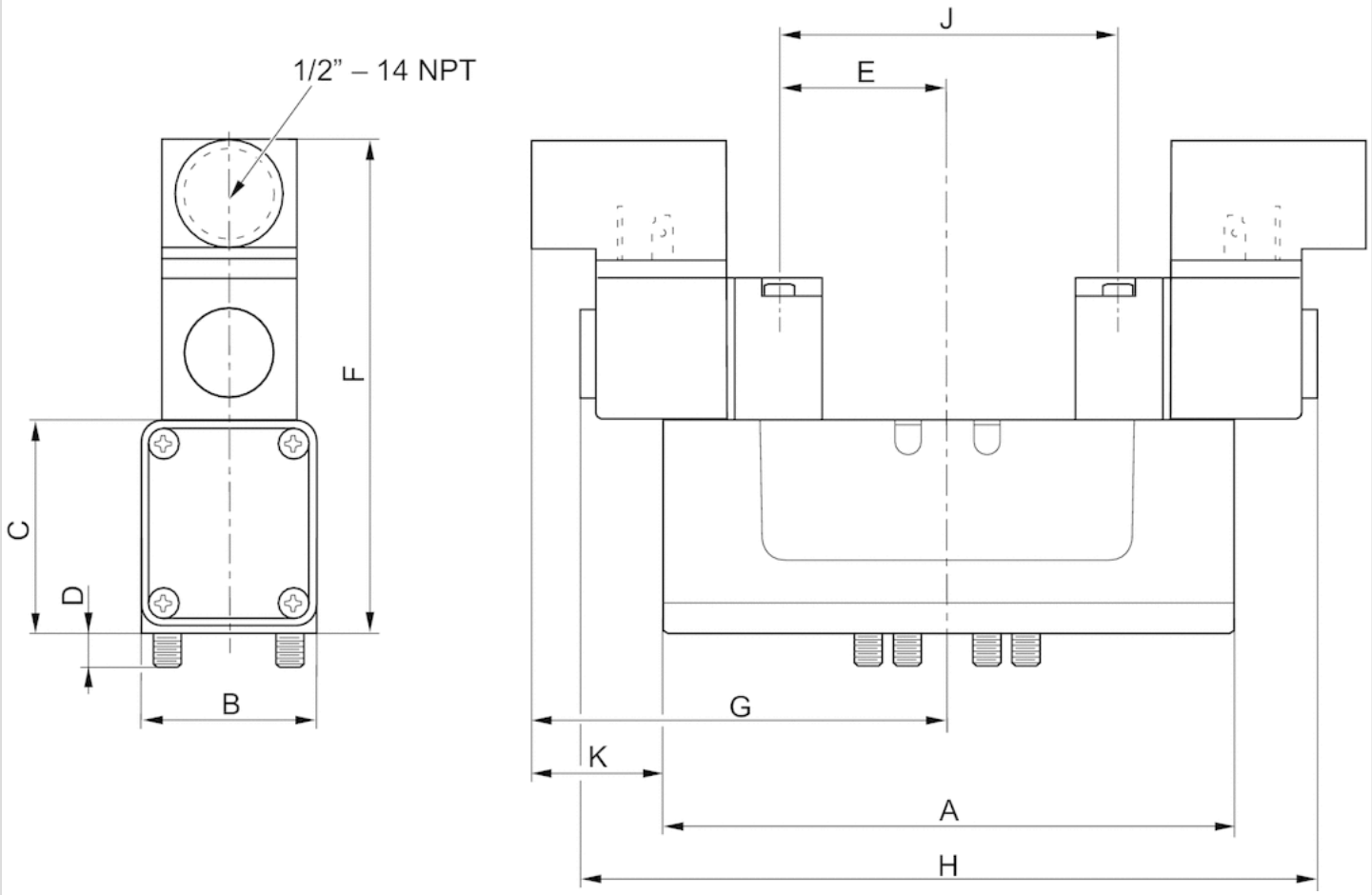
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only 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

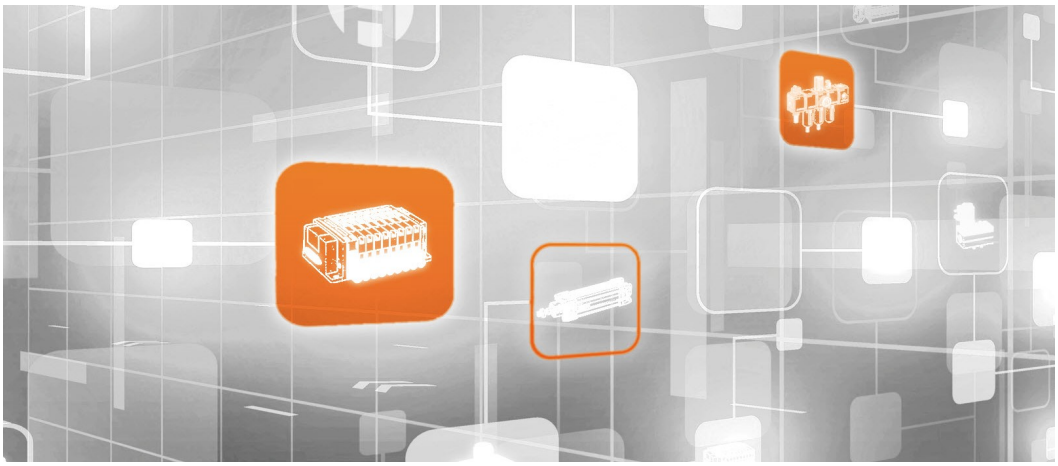
Dimensions in inches



Dimensions in inches

Part No.	A	B	C	D	E	F	G	H	J	K
R432030353	8.62	3.09	2.89	0.41	1.62	5.32	6.65	13.31	3.25	0.68
R432006341	8.62	3.09	2.89	0.41	1.62	5.32	6.65	13.31	3.25	0.68
R432030178	8.62	3.09	2.89	0.41	1.62	5.32	6.65	13.31	3.25	0.68
R432006339	8.62	3.09	2.89	0.41	1.62	5.32	6.65	13.31	3.25	0.68
R432006340	8.62	3.09	2.89	0.41	1.62	5.32	6.65	13.31	3.25	0.68
-	-	-	-	-	-	-	-	-	-	-
R432002469	8.62	3.09	2.89	0.41	1.62	5.32	6.65	13.31	3.25	0.68

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



Visit us: Emerson.com/Aventics

Your local contact: Emerson.com/contactus

Emerson.com

Facebook.com/EmersonAutomationSolutions

LinkedIn.com/company/Emerson-Automation-Solutions

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

EMERSON.

CONSIDER IT SOLVED™