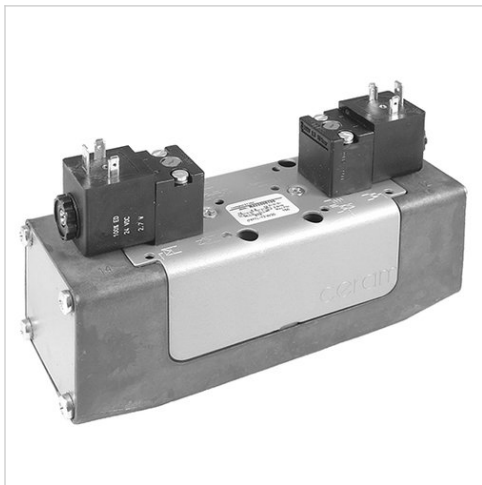


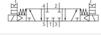
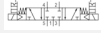



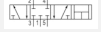
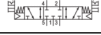
5/3-directional valve, Series CERAM™, size 3

- 5/3
- Qn = 4300 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 3
Working pressure min./max.	See table below
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	4300 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	
					Pilot Exhaust
R432006198		T R - T R - T R - T R - T R - T R -	closed center	Base plate ISO 5599-1	
R432006199			closed center	Base plate ISO 5599-1	
R432030346			closed center	Base plate ISO 5599-1	
R432006196			closed center	Base plate ISO 5599-1	
R432006197			closed center	Base plate ISO 5599-1	
R432002451			closed center	Base plate ISO 5599-1	
R432002453			closed center	Base plate ISO 5599-1	

Part No.	Operational voltage		Operational voltage	
	DC	AC 50 Hz	AC 60 Hz	Operational voltage
R432006198	12 V	-	-	-
R432006199	24 V	-	-	-
R432030346	-	24 V	24 V	24 V
R432006196	-	110 V	120 V	120 V
R432006197	-	220 V	240 V	240 V
R432002451	-	-	-	-
R432002453	-	-	-	-

Part No.	Voltage tolerance		Voltage tolerance		Power consumption	
	DC	AC 50 Hz	AC 60 Hz	DC	DC	DC
R432006198	-10% / +10%	-	-	-	2.7 W	2.7 W
R432006199	-10% / +10%	-	-	-	2.7 W	2.7 W
R432030346	-	-10% / +10%	-10% / +10%	-	-	-
R432006196	-	-10% / +10%	-10% / +10%	-	-	-
R432006197	-	-10% / +10%	-10% / +10%	-	-	-
R432002451	-	-	-	-	-	-
R432002453	-	-	-	-	-	-

Part No.	Holding power		Switch-on power		Pilot
	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz	
R432006198	-	-	-	-	Internal
R432006199	-	-	-	-	Internal
R432030346	3.7 VA	3.7 VA	6.4 VA	6.4 VA	Internal
R432006196	3.7 VA	3.7 VA	6.4 VA	6.4 VA	Internal
R432006197	3.7 VA	3.7 VA	6.4 VA	6.4 VA	Internal
R432002451	-	-	-	-	External
R432002453	-	-	-	-	Internal

Part No.	Working pressure min./max.	Control pressure min./max.	Valve plug connector
R432006198	2 ... 10.3 bar	2.5 ... 10.3 bar	Without valve plug connector
R432006199	0 ... 10.3 bar	2.5 ... 10.3 bar	Without valve plug connector
R432030346	0 ... 10.3 bar	2.5 ... 10.3 bar	Without valve plug connector
R432006196	0 ... 10.3 bar	2.5 ... 10.3 bar	Without valve plug connector
R432006197	0 ... 10.3 bar	2.5 ... 10.3 bar	Without valve plug connector
R432002451	0 ... 10.3 bar	-0.8 ... 10.3 bar	Without valve plug connector

Part No.	Working pressure min./max.	Control pressure min./max.	Valve plug connector
R432002453	0 ... 10.3 bar	2.5 ... 10.3 bar	Without valve plug connector

Part No.	basic valve with electrical connector	Mounting screw	Weight
R432006198	-	M8 with hexagon socket	2.26 kg
R432006199	-	M8 with hexagon socket	2.26 kg
R432030346	-	M8 with hexagon socket	2.26 kg
R432006196	-	M8 with hexagon socket	2.26 kg
R432006197	-	M8 with hexagon socket	2.26 kg
R432002451	Basic valve without coil	M5 with hexagon socket	2.01 kg
R432002453	Basic valve without coil	M8 with hexagon socket	2.01 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.

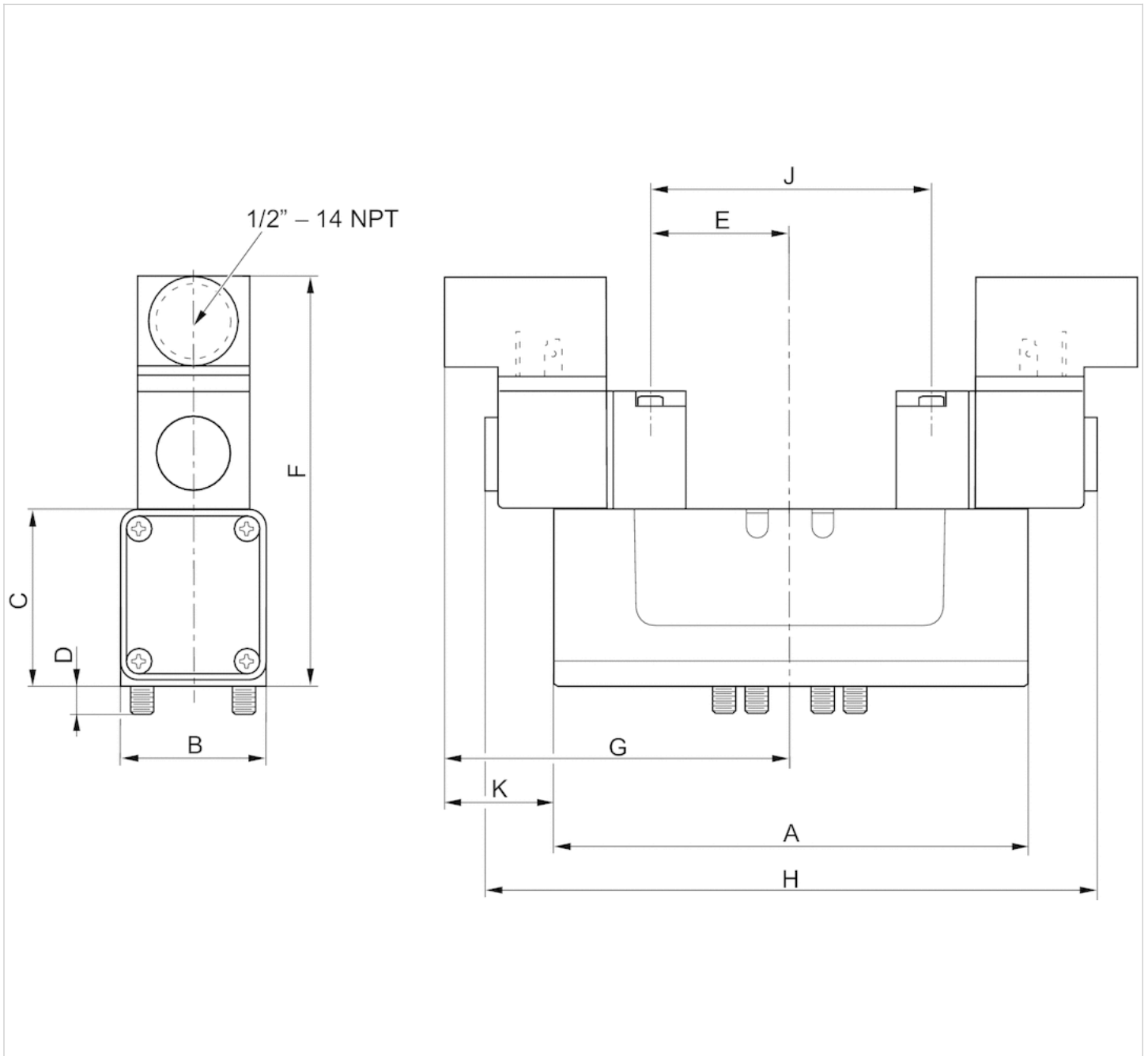
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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
R432006198	7.54	2.71	2.59	0.41	1.62	5.23	4.18	8.36	3.25	1.05
R432006199	7.54	2.71	2.59	0.41	1.62	5.23	4.18	8.36	3.25	1.05
R432030346	7.54	2.71	2.59	0.41	1.62	5.23	4.18	8.36	3.25	1.05
R432006196	7.54	2.71	2.59	0.41	1.62	5.23	4.18	8.36	3.25	1.05
R432006197	7.54	2.71	2.59	0.41	1.62	5.23	4.18	8.36	3.25	1.05
-	-	-	-	-	-	-	-	-	-	-
R432002453	7.54	2.71	2.59	0.41	1.62	5.23	4.18	8.36	3.25	1.05

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



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