

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

- 5/2
- $Q_n = 2.44 \text{ Cv}$
- 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
- 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 ... 149 psi
Control pressure min./max.	See table below
Ambient temperature min./max.	5 ... 150 °F
Medium temperature min./max.	5 ... 150 °F
Medium	Compressed air
Nominal flow Q_n	2.44 Cv
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
mounting screws	M5 with hexagon socket
Mounting screw tightening torque	1.62 ft./lbs.
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Pilot Exhaust	DC
R432006128		T-R-T-R-T-R-T-R-T-R	Base plate ISO 5599-1	12 V
R432006130			Base plate ISO 5599-1	24 V
R432006136			Base plate ISO 5599-1	-
R432006124			Base plate ISO 5599-1	-
R432006126			Base plate ISO 5599-1	-
R432002444			Base plate ISO 5599-1	-
R432002447			Base plate ISO 5599-1	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
R432006128	-	-	-10% / +10%
R432006130	-	-	-10% / +10%
R432006136	24 V	24 V	-
R432006124	110 V	120 V	-
R432006126	220 V	240 V	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
R432002444	-	-	-
R432002447	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R432006128	-	-	2.7 W	-
R432006130	-	-	2.7 W	-
R432006136	-10% / +10%	-10% / +10%	-	6.4 VA
R432006124	-10% / +10%	-10% / +10%	-	6.4 VA
R432006126	-10% / +10%	-10% / +10%	-	6.4 VA
R432002444	-	-	-	-
R432002447	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
R432006128	-	-	-	Internal	29 ... 149 psi
R432006130	-	-	-	Internal	29 ... 149 psi
R432006136	6.4 VA	3.7 VA	3.7 VA	Internal	29 ... 149 psi
R432006124	6.4 VA	3.7 VA	3.7 VA	Internal	29 ... 149 psi
R432006126	6.4 VA	3.7 VA	6.7 VA	Internal	29 ... 149 psi
R432002444	-	-	-	External	-13 ... 149 psi
R432002447	-	-	-	Internal	29 ... 149 psi

Part No.	With valve plug connector	basic valve with electrical connector	Weight
R432006128	Without valve plug connector	-	2.69 lbs
R432006130	Without valve plug connector	-	2.69 lbs
R432006136	Without valve plug connector	-	2.69 lbs
R432006124	Without valve plug connector	-	2.69 lbs
R432006126	Without valve plug connector	-	2.69 lbs
R432002444	Without valve plug connector	Basic valve without coil	-
R432002447	Without valve plug connector	Basic valve without coil	2.31 lbs

Nominal flow Q_n at 87 psi and Δp = 14.5 psi

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F.

The oil content of compressed air must remain constant during the life cycle.

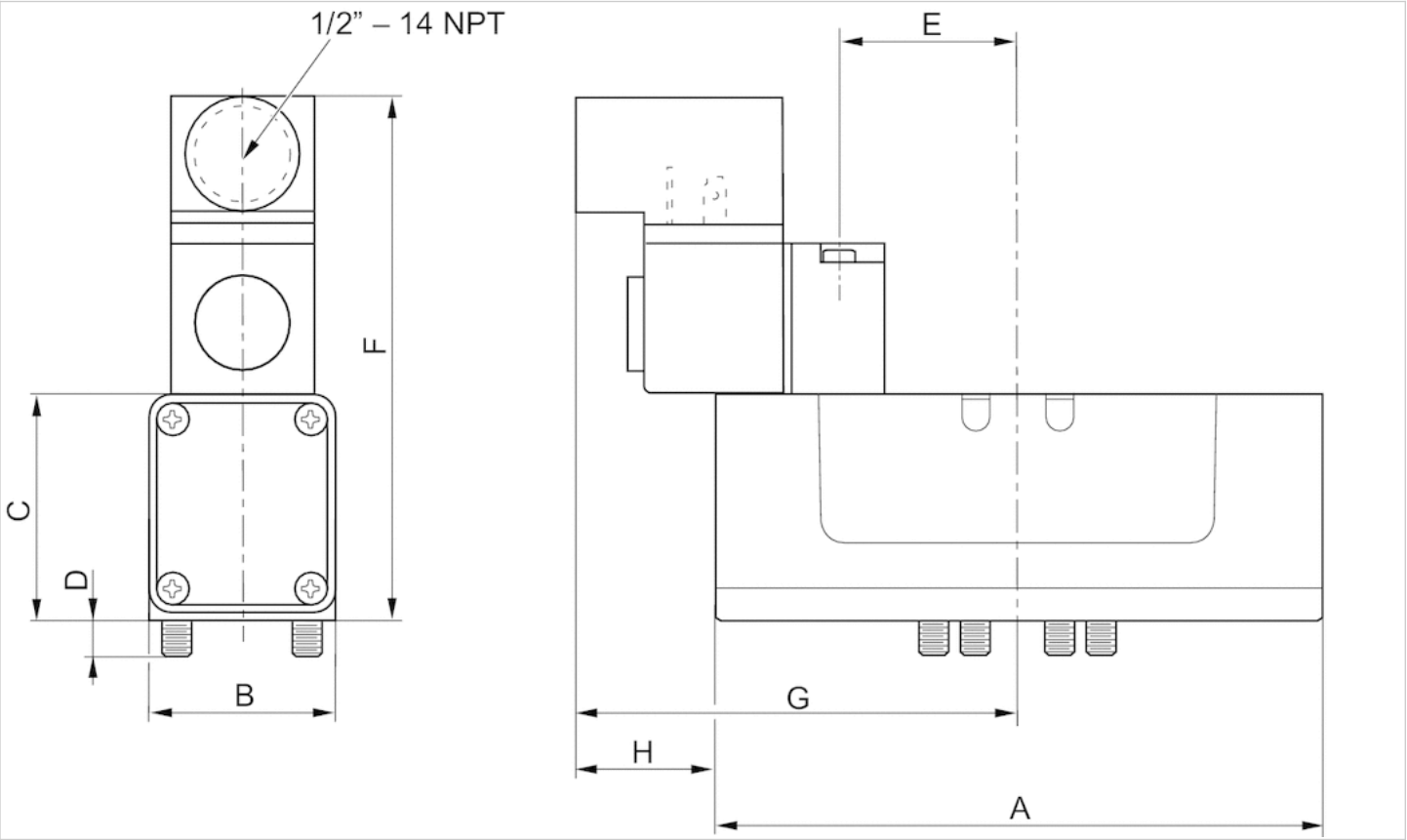
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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
R432006128	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006130	5.82	2.03	2.03	2.30	0.39	1.57	4.90	3.54
R432006136	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006124	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006126	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
-	-	-	-	-	-	-	-	-
R432002447	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92

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

- 5/2
- $Q_n = 2.44 \text{ Cv}$
- 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, without detent
- single solenoid
- with air spring return
- Pilot : Internal, External



Activation	Electrically
Sealing principle	Ceramic
Blocking principle	Single base plate principle
Standards	ISO 5599-1, ISO 2
Working pressure min./max.	29 ... 149 psi
Control pressure min./max.	See table below
Ambient temperature min./max.	5 ... 150 °F
Medium temperature min./max.	5 ... 150 °F
Medium	Compressed air
Nominal flow Q_n	2.44 Cv
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
mounting screws	M5 with hexagon socket
Mounting screw tightening torque	1.62 ft./lbs.
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Pilot Exhaust	DC
R432006129		—	Base plate ISO 5599-1	12 V
R432006131		—	Base plate ISO 5599-1	24 V
R432006137		—	Base plate ISO 5599-1	-
R432006125		—	Base plate ISO 5599-1	-
R432006127		—	Base plate ISO 5599-1	-
R432002445		TRIP	Base plate ISO 5599-1	-
R432002448		TRIP	Base plate ISO 5599-1	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	AC 50 Hz
R432006129	-	-	-
R432006131	-	-	-
R432006137	24 V	24 V	-10% / +10%
R432006125	110 V	120 V	-10% / +10%
R432006127	220 V	240 V	-10% / +10%

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	AC 50 Hz
R432002445	-	-	-
R432002448	-	-	-

Part No.	Voltage tolerance	Power consumption	Holding power	Holding power
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
R432006129	-	2.7 W	-	-
R432006131	-	2.7 W	-	-
R432006137	-10% / +10%	-	3.7 VA	3.7 VA
R432006125	-10% / +10%	-	6.4 VA	6.4 VA
R432006127	-10% / +10%	-	6.4 VA	6.4 VA
R432002445	-	-	-	-
R432002448	-	-	-	-

Part No.	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 50 Hz	AC 60 Hz		
R432006129	-	-	Internal	29 ... 149 psi
R432006131	-	-	Internal	29 ... 149 psi
R432006137	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432006125	3.7 VA	3.7 VA	Internal	29 ... 149 psi
R432006127	3.7 VA	3.7 VA	Internal	29 ... 149 psi
R432002445	-	-	External	-13 ... 149 psi
R432002448	-	-	Internal	29 ... 149 psi

Part No.	With valve plug connector	basic valve with electrical connector	Weight
R432006129	Without valve plug connector	-	3.7 lbs
R432006131	Without valve plug connector	-	3.7 lbs
R432006137	Without valve plug connector	-	3.7 lbs
R432006125	Without valve plug connector	-	2.52 lbs
R432006127	Without valve plug connector	-	3.7 lbs
R432002445	Without valve plug connector	Basic valve without coil	3.7 lbs
R432002448	Without valve plug connector	Basic valve without coil	3.7 lbs

Nominal flow Q_n at 87 psi and Δp = 14.5 psi

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F.

The oil content of compressed air must remain constant during the life cycle.

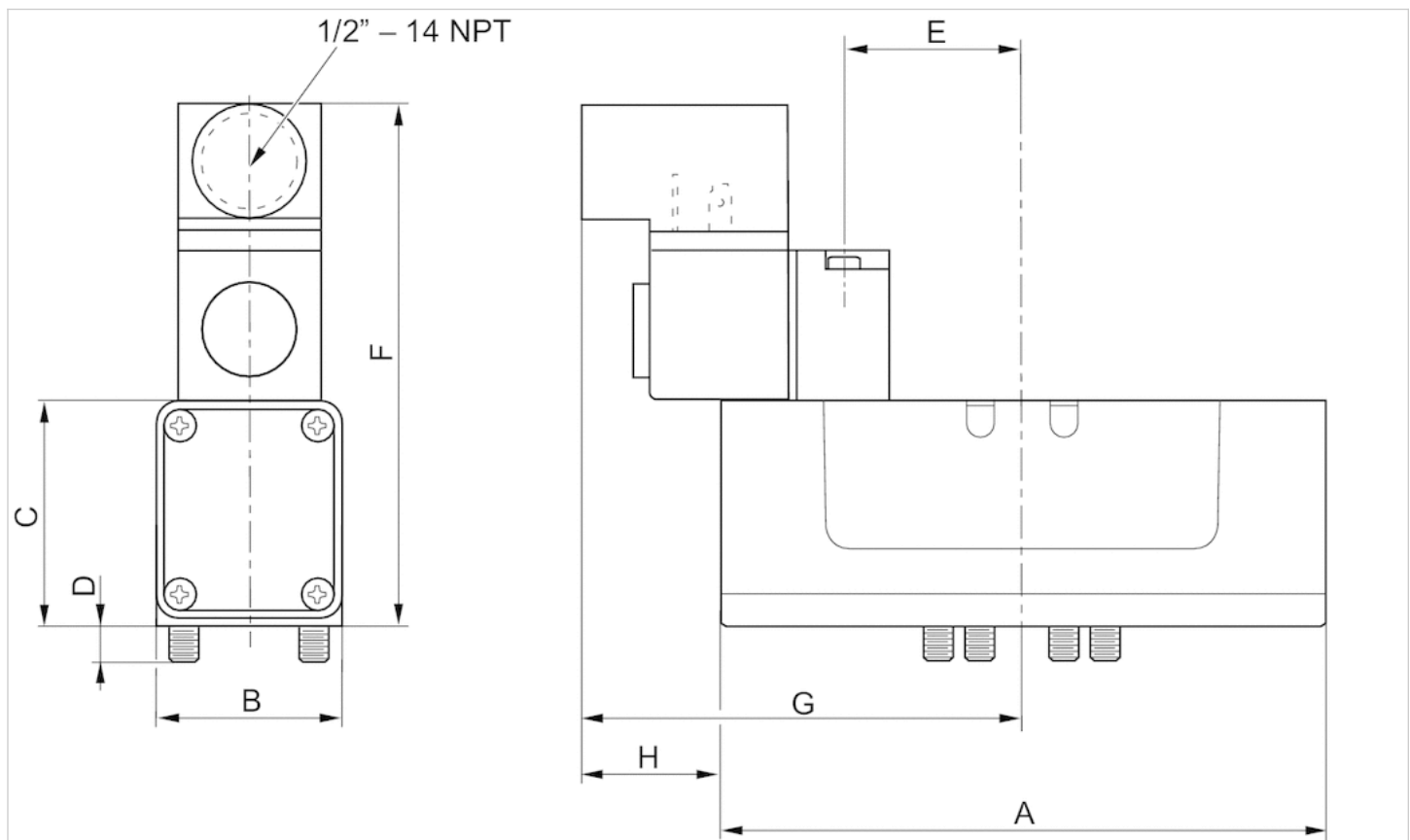
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Die cast zinc, painted gray, Die-cast aluminum, painted gray
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions in inches



Dimensions in inches

Part No.	A	B	C	D	E	F	G	H
R432006129	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006131	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006137	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006125	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
R432006127	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92
-	-	-	-	-	-	-	-	-
R432002448	5.82	2.03	2.30	0.39	1.57	4.90	3.54	0.92

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

- 5/2
- $Q_n = 2.44 \text{ Cv}$
- 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 2
Working pressure min./max.	0 ... 149 psi
Control pressure min./max.	See table below
Ambient temperature min./max.	5 ... 150 °F
Medium temperature min./max.	5 ... 150 °F
Medium	Compressed air
Nominal flow Q_n	2.44 Cv
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
Typ. switch-on time	41 ms
Typ. switch-off time	44 ms
Mounting screw tightening torque	1.62 ft./lbs.
Weight	See table below

Part No.		MO	Compressed air connection	Operational voltage
			Pilot Exhaust	DC
R432006158			Base plate ISO 5599-1	24 V
R432030350			Base plate ISO 5599-1	12 V
R432006162			Base plate ISO 5599-1	-
R432006156			Base plate ISO 5599-1	-
R432006157			Base plate ISO 5599-1	-
R432002446			Base plate ISO 5599-1	-
R432002449			Base plate ISO 5599-1	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R432006158	-	-	2.7 W	-
R432030350	-	-	2.7 W	-
R432006162	-10% / +10%	-10% / +10%	-	3.7 VA
R432006156	-10% / +10%	-10% / +10%	-	3.7 VA
R432006157	-10% / +10%	-10% / +10%	-	3.7 VA
R432002446	-	-	-	-
R432002449	-	-	-	-

Part No.	With valve plug connector	basic valve with electrical connector
R432006158	Without valve plug connector	-
R432030350	Without valve plug connector	-
R432006162	Without valve plug connector	-
R432006156	Without valve plug connector	-
R432006157	Without valve plug connector	-

Part No.	With valve plug connector	basic valve with electrical connector
R432002446	Without valve plug connector	Basic valve without coil
R432002449	Without valve plug connector	Basic valve without coil

Part No.	Mounting screw	Weight
R432006158	M8 with hexagon socket	4.74 lbs
R432030350	M8 with hexagon socket	4.74 lbs
R432006162	M8 with hexagon socket	4.74 lbs
R432006156	M8 with hexagon socket	4.74 lbs
R432006157	M8 with hexagon socket	4.74 lbs
R432002446	M5 with hexagon socket	2.47 lbs
R432002449	M8 with hexagon socket	2.47 lbs

Nominal flow Q_n at 87 psi and $\Delta p = 14.5$ psi

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

The oil content of compressed air must remain constant during the life cycle.

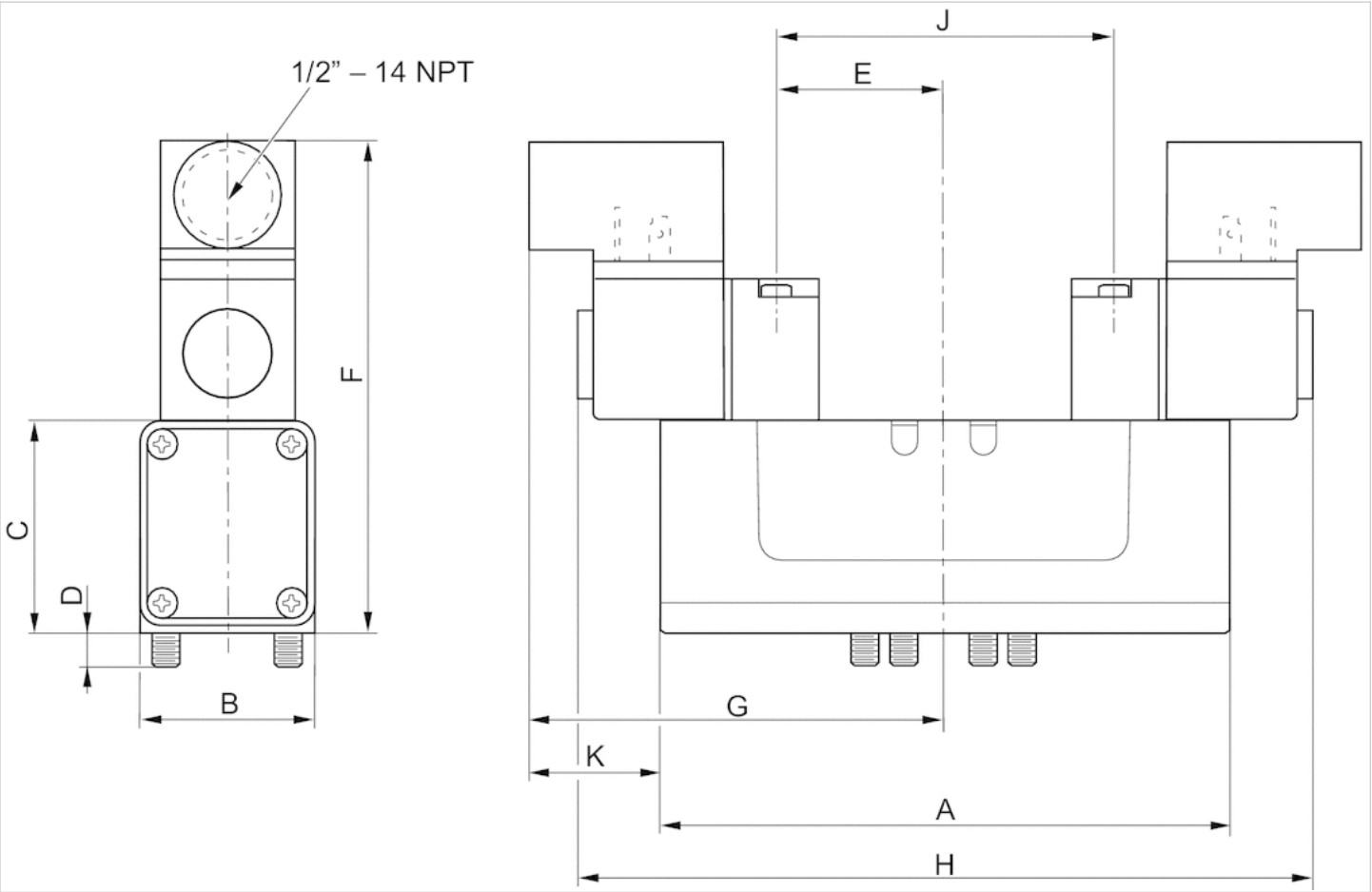
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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
R432006158	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432030350	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006162	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006156	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006157	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
-	-	-	-	-	-	-	-	-	-	-
R432002449	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92

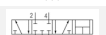
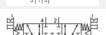
5/3-directional valve, Series CERAM™, size 2

- 5/3
- $Q_n = 2.44 \text{ Cv}$
- 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 ... 149 psi
Control pressure min./max.	See table below
Ambient temperature min./max.	5 ... 150 °F
Medium temperature min./max.	5 ... 150 °F
Medium	Compressed air
Nominal flow Q_n	2.44 Cv
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
Mounting screw tightening torque	1.62 ft./lbs.
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Pilot Exhaust	DC
R432006078			Base plate ISO 5599-1	12 V
R432006079			Base plate ISO 5599-1	24 V
R432006082			Base plate ISO 5599-1	-
R432006076			Base plate ISO 5599-1	-
R432006077			Base plate ISO 5599-1	-
R432002441			Base plate ISO 5599-1	-
R432002443			Base plate ISO 5599-1	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
R432006078	-	-	-10% / +10%
R432006079	-	-	-10% / +10%
R432006082	24 V	24 V	-
R432006076	110 V	120 V	-
R432006077	220 V	240 V	-
R432002441	-	-	-
R432002443	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R432006078	-	-	2.7 W	-
R432006079	-	-	2.7 W	-
R432006082	-10% / +10%	-10% / +10%	-	3.7 VA
R432006076	-10% / +10%	-10% / +10%	-	3.7 VA
R432006077	-10% / +10%	-10% / +10%	-	3.7 VA
R432002441	-	-	-	-
R432002443	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
R432006078	-	-	-	Internal	29 ... 149 psi
R432006079	-	-	-	Internal	29 ... 149 psi
R432006082	3.7 VA	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432006076	3.7 VA	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432006077	3.7 VA	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432002441	-	-	-	External	-13 ... 149 psi
R432002443	-	-	-	Internal	29 ... 149 psi

Part No.	With valve plug connector	basic valve with electrical connector
R432006078	Without valve plug connector	-
R432006079	Without valve plug connector	-
R432006082	Without valve plug connector	-
R432006076	Without valve plug connector	-
R432006077	Without valve plug connector	-

Part No.	With valve plug connector	basic valve with electrical connector
R432002441	Without valve plug connector	Basic valve without coil
R432002443	Without valve plug connector	Basic valve without coil

Part No.	Mounting screw	Weight
R432006078	M6 with hexagon socket	4.74 lbs
R432006079	M6 with hexagon socket	4.74 lbs
R432006082	M6 with hexagon socket	-
R432006076	M6 with hexagon socket	4.74 lbs
R432006077	M6 with hexagon socket	3.19 lbs
R432002441	M5 with hexagon socket	4.74 lbs
R432002443	M6 with hexagon socket	4.74 lbs

Nominal flow Q_n at 87 psi and $\Delta p = 14.5$ psi

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

The oil content of compressed air must remain constant during the life cycle.

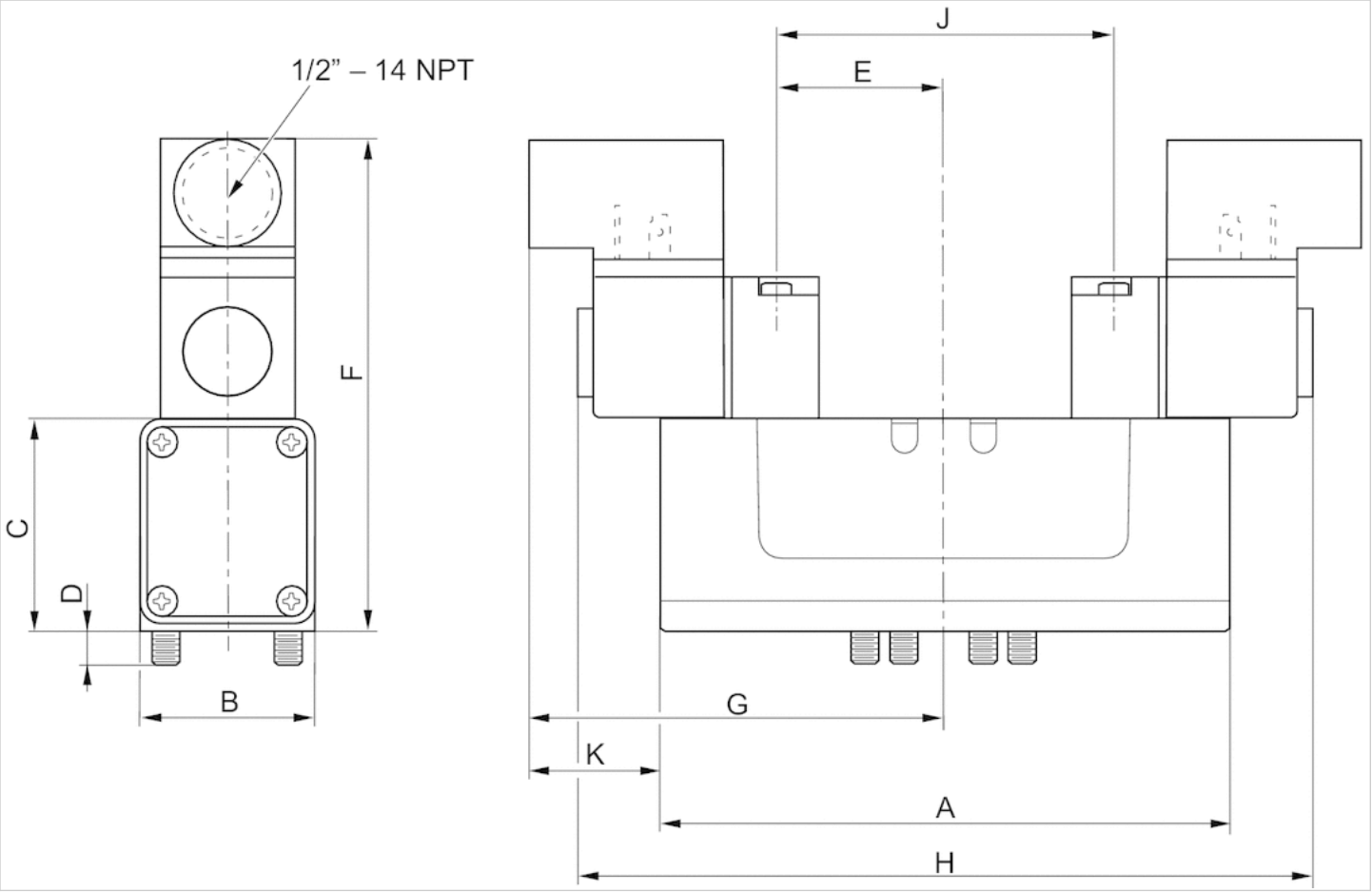
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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

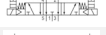
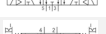
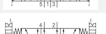
5/3-directional valve, Series CERAM™, size 2

- 5/3
- $Q_n = 2.44 \text{ Cv}$
- 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 2
Working pressure min./max.	0 ... 149 psi
Control pressure min./max.	See table below
Ambient temperature min./max.	5 ... 150 °F
Medium temperature min./max.	5 ... 150 °F
Medium	Compressed air
Nominal flow Q_n	2.44 Cv
Compressed air connection	according to ISO 5599-1
Protection class according to NEMA	NEMA 4
Mounting screw tightening torque	1.62 ft./lbs.
Weight	See table below

Technical data

Part No.		MO	Compressed air connection	Operational voltage
			Pilot Exhaust	DC
R432030023			Base plate ISO 5599-1	12 V
R432006060			Base plate ISO 5599-1	24 V
R432006063			Base plate ISO 5599-1	-
R432006058			Base plate ISO 5599-1	-
R432006059			Base plate ISO 5599-1	-
R432002440			Base plate ISO 5599-1	-
R432002442			Base plate ISO 5599-1	-

Part No.	Operational voltage	Operational voltage	Voltage tolerance
	AC 50 Hz	AC 60 Hz	DC
R432030023	-	-	-10% / +10%
R432006060	-	-	-10% / +10%
R432006063	24 V	24 V	-
R432006058	110 V	120 V	-
R432006059	220 V	240 V	-
R432002440	-	-	-
R432002442	-	-	-

Part No.	Voltage tolerance	Voltage tolerance	Power consumption	Holding power
	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz
R432030023	-	-	2.7 W	-
R432006060	-	-	2.7 W	-
R432006063	-10% / +10%	-10% / +10%	-	3.7 VA
R432006058	-10% / +10%	-10% / +10%	-	3.7 VA
R432006059	-10% / +10%	-10% / +10%	-	3.7 VA
R432002440	-	-	-	-
R432002442	-	-	-	-

Part No.	Holding power	Switch-on power	Switch-on power	Pilot	Control pressure min./max.
	AC 60 Hz	AC 50 Hz	AC 60 Hz		
R432030023	-	-	-	Internal	29 ... 149 psi
R432006060	-	-	-	Internal	29 ... 149 psi
R432006063	3.7 VA	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432006058	3.7 VA	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432006059	3.7 VA	6.4 VA	6.4 VA	Internal	29 ... 149 psi
R432002440	-	-	-	External	-11 ... 149 psi
R432002442	-	-	-	Internal	29 ... 149 psi

Part No.	With valve plug connector	basic valve with electrical connector
R432030023	Without valve plug connector	-
R432006060	Without valve plug connector	-
R432006063	Without valve plug connector	-
R432006058	Without valve plug connector	-
R432006059	Without valve plug connector	-

Part No.	With valve plug connector	basic valve with electrical connector
R432002440	Without valve plug connector	Basic valve without coil
R432002442	Without valve plug connector	Basic valve without coil

Part No.	Mounting screw	Weight
R432030023	M6 with hexagon socket	4.74 lbs
R432006060	M6 with hexagon socket	4.74 lbs
R432006063	M6 with hexagon socket	4.74 lbs
R432006058	M6 with hexagon socket	4.74 lbs
R432006059	M6 with hexagon socket	4.74 lbs
R432002440	M5 with hexagon socket	2.66 lbs
R432002442	M6 with hexagon socket	3.2 lbs

Nominal flow Q_n at 87 psi and $\Delta p = 14.5$ psi

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

The oil content of compressed air must remain constant during the life cycle.

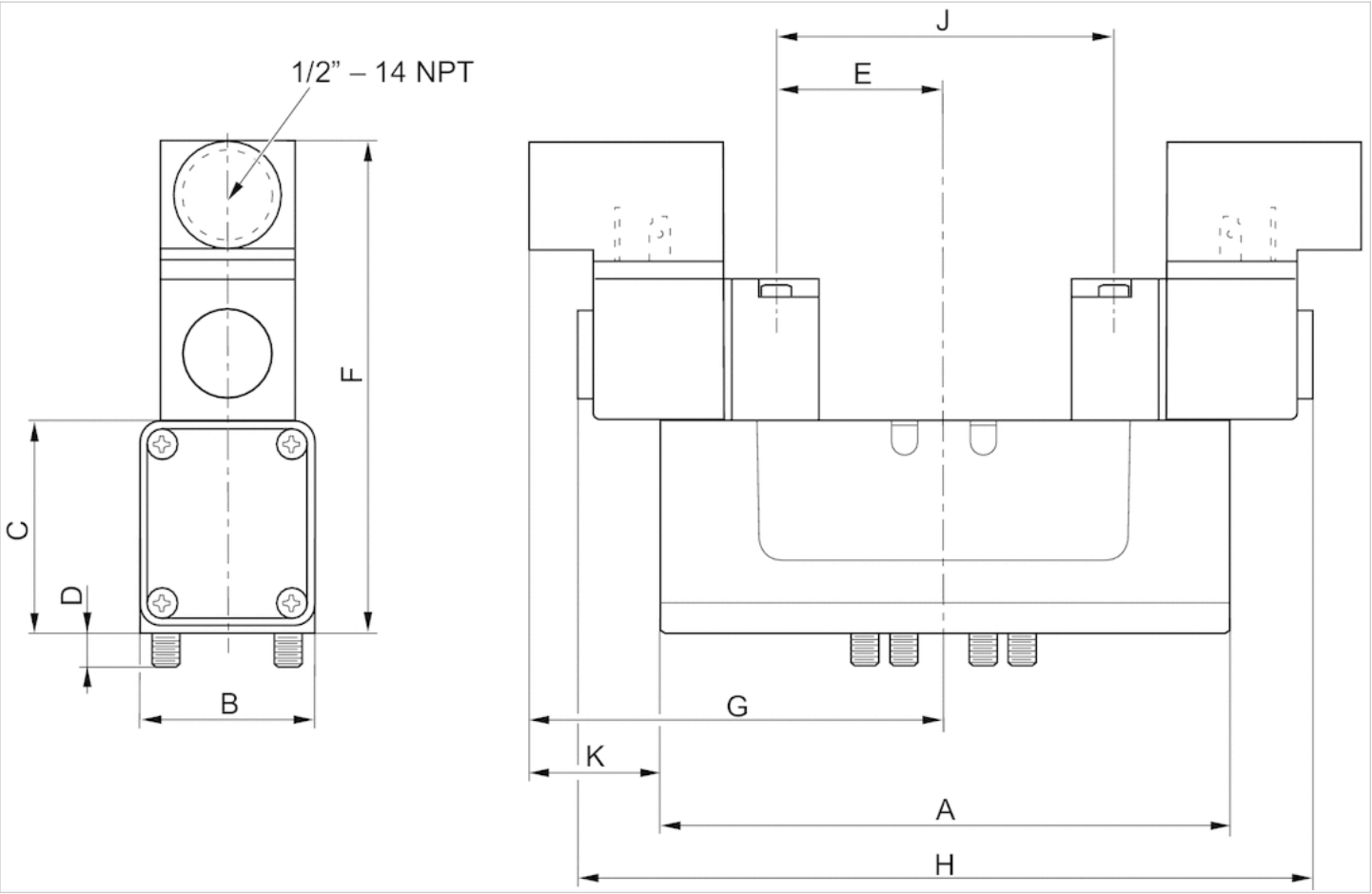
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

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
R432030023	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006060	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006063	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006058	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
R432006059	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92
-	-	-	-	-	-	-	-	-	-	-
R432002442	5.82	2.03	2.3	0.39	1.57	4.9	3.54	7.09	3.15	0.92

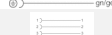
Valve plug connector, series CON-VP

- Socket, form A, 2+E, angled, 90°, Socket, form A, 3+E, angled, 90°
- EN 175301-803
- unshielded
- with LED Yellow, Red, Green, green/red



Connection type	Screws
Ambient temperature min./max.	-40 ... 194 °F
Operational voltage	See table below
Protection class	IP65
Mounting screw tightening torque	0.3, 0.15 ft./lbs.
Weight	See table below

Technical data

Part No.		Electrical connection	Operational voltage
		1	
1834484048		Socket, form A, 2+E, angled, 90°	300 V, DC
1834484059		Socket, form A, 3+E, angled, 90°	300 V, DC
1834484101		Socket, form A, 2+E, angled, 90°	24 V, AC/DC
1834484102		Socket, form A, 2+E, angled, 90°	110 V, AC
1834484103		Socket, form A, 2+E, angled, 90°	230 V, AC
8941016112		Socket, form A, 2+E, angled, 90°	230 V, AC
8941012462		Socket, form A, 3+E, angled, 90°	24 V, DC

Part No.	Max. current	Protective circuit	Contact assignment	LED status display	suitable cable-Ø min./max
1834484048	10 A	-	2+E	-	0.24 / 0.31 inch
1834484059	10 A	-	3+E	-	0.24 / 0.31 inch
1834484101	-	Z-diode	2+E	Yellow	0.24 / 0.31 inch
1834484102	-	Varistor	2+E	Red	0.24 / 0.31 inch
1834484103	-	Varistor	2+E	Red	0.24 / 0.31 inch
8941016112	-	Varistor	2+E	Green	0.31 / 0.39 inch
8941012462	8 A	-	3+E	green/red	0.18 / 0.43 inch

Part No.	Tightening torque for mounting screws [+0,05]	Seal	Weight	
1834484048	0.3 ft./lbs.	caoutchouc/butadiene caoutchouc	0.066 lbs	1)
1834484059	0.3 ft./lbs.	caoutchouc/butadiene caoutchouc	0.066 lbs	1)
1834484101	0.15 ft./lbs.	Silicone caoutchouc	0.066 lbs	2)
1834484102	0.15 ft./lbs.	caoutchouc/butadiene caoutchouc	0.066 lbs	1)
1834484103	0.15 ft./lbs.	Silicone caoutchouc	0.066 lbs	1)
8941016112	0.15 ft./lbs.	caoutchouc/butadiene caoutchouc	0.055 lbs	1)
8941012462	0.3 ft./lbs.	caoutchouc/butadiene caoutchouc	0.066 lbs	-

- 1) Profile seal
- 2) Flat gasket

Technical information

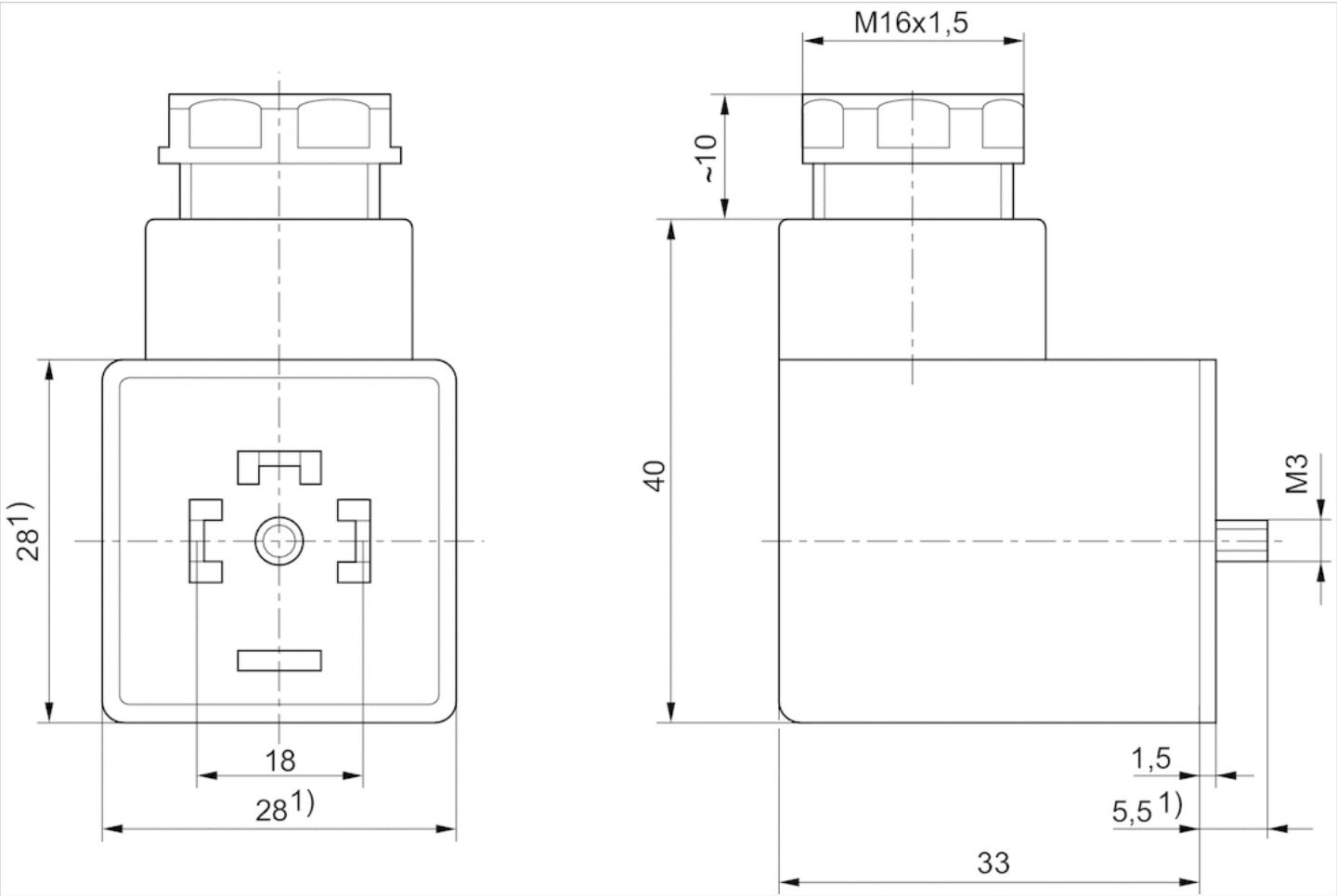
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc, Silicone caoutchouc

Dimensions

Dimensions



1) Max.

Valve plug connector, series CON-VP

- Socket, form A, 2+E, angled, 90°
- open cable ends, 3-pin
- with cable
- unshielded



Ambient temperature min./max.	-4 ... 176 °F
Operational voltage	See table below
Protection class	IP67
Wire cross-section	0.001 in²
Mounting screw tightening torque	0.3 ft./lbs.
Weight	See table below

Technical data

Part No.		Operational voltage	Protective circuit	Contact assignment	LED status display
1834484160		230 V, AC/DC	-	2+E	-
1834484162		24 V, AC/DC	Z-diode	2+E	Yellow
1834484163		24 V, AC/DC	Z-diode	2+E	Yellow
1834484164		230 V, AC/DC	Varistor	2+E	Red
1834484165		230 V, AC/DC	Varistor	2+E	Red

Part No.	Number of wires	Cable length	Weight	Fig.	
1834484160	3	9.84 ft.	0.441 lbs	Fig. 1	1)
1834484162	3	9.84 ft.	0.441 lbs	Fig. 2	-
1834484163	3	16.4 ft.	0.683 lbs	Fig. 2	-
1834484164	3	9.84 ft.	0.441 lbs	Fig. 2	-
1834484165	3	16.4 ft.	0.683 lbs	Fig. 2	-

1) Scope of delivery incl. flat gasket

Technical information

The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Seals	caoutchouc/butadiene caoutchouc
Cable sheath	Polyvinyl chloride

Dimensions

Fig. 1

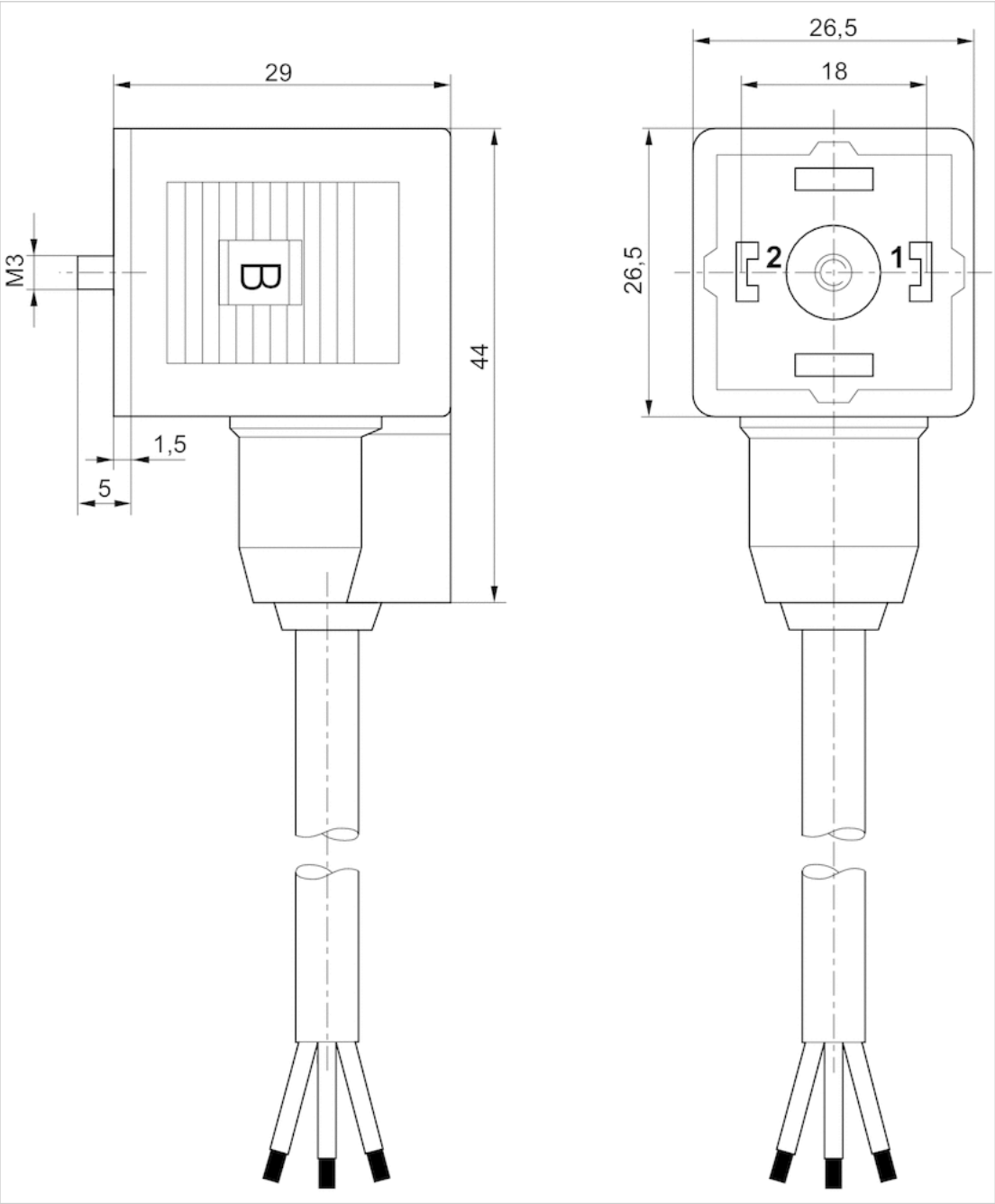
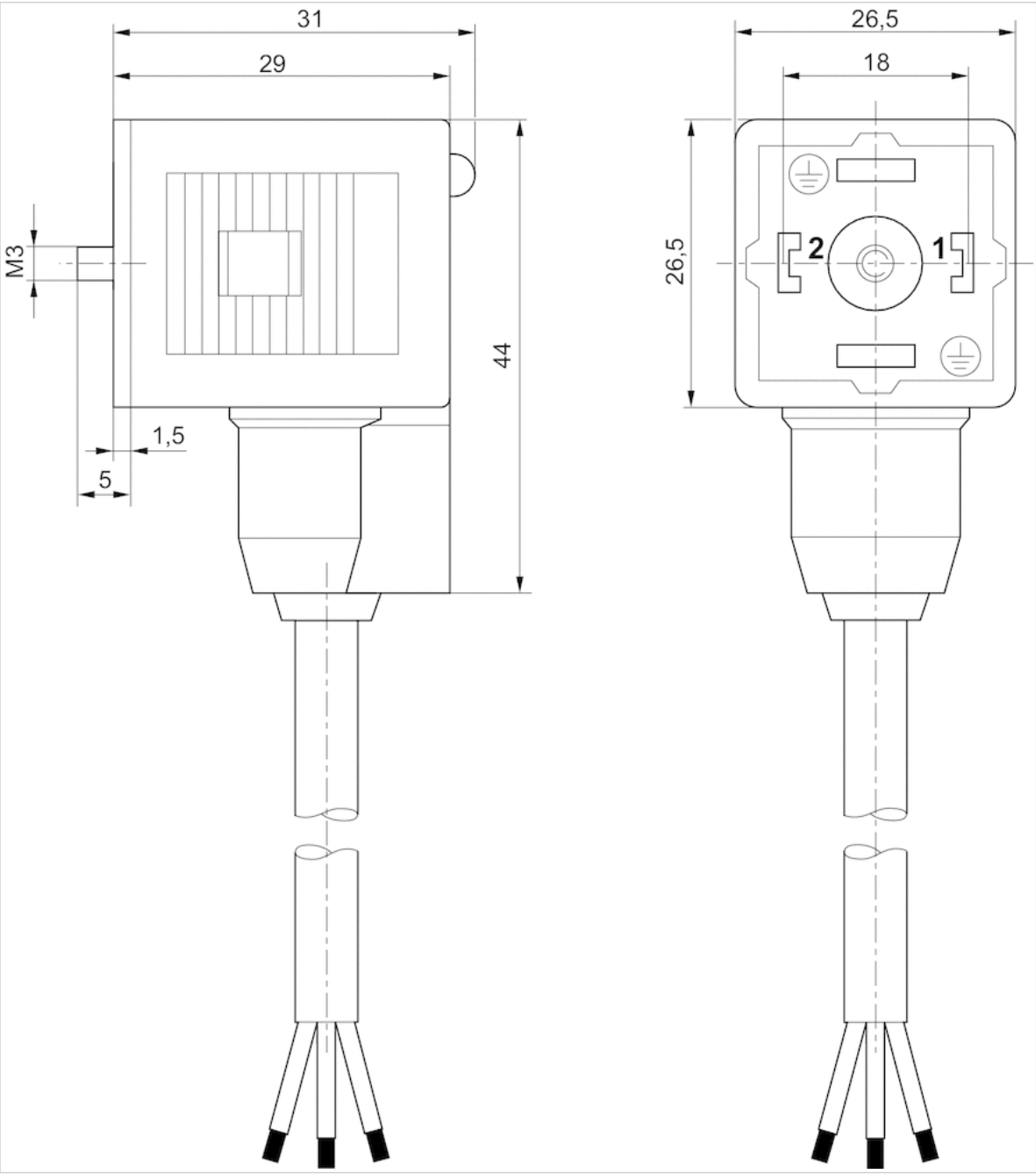


Fig. 2



End plate right, Inch version

- standard ISO 5599-1
- Frame size ISO 1, ISO 2, ISO 3
- type C



Standards	ISO 5599-1
Working pressure min./max.	-13 ... 232 psi
Ambient temperature min./max.	5 ... 158 °F
Medium temperature min./max.	5 ... 158 °F
Medium	Compressed air
Weight	0.331 lbs

Technical data

Part No.	Frame size	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]
R432037652	ISO 1	3/8 NPT	3/8 NPT
R432037654	ISO 2	3/4 NPT	3/4 NPT
R432037656	ISO 3	1 NPT	1 NPT

Scope of delivery incl. seal and mounting screws

Technical information

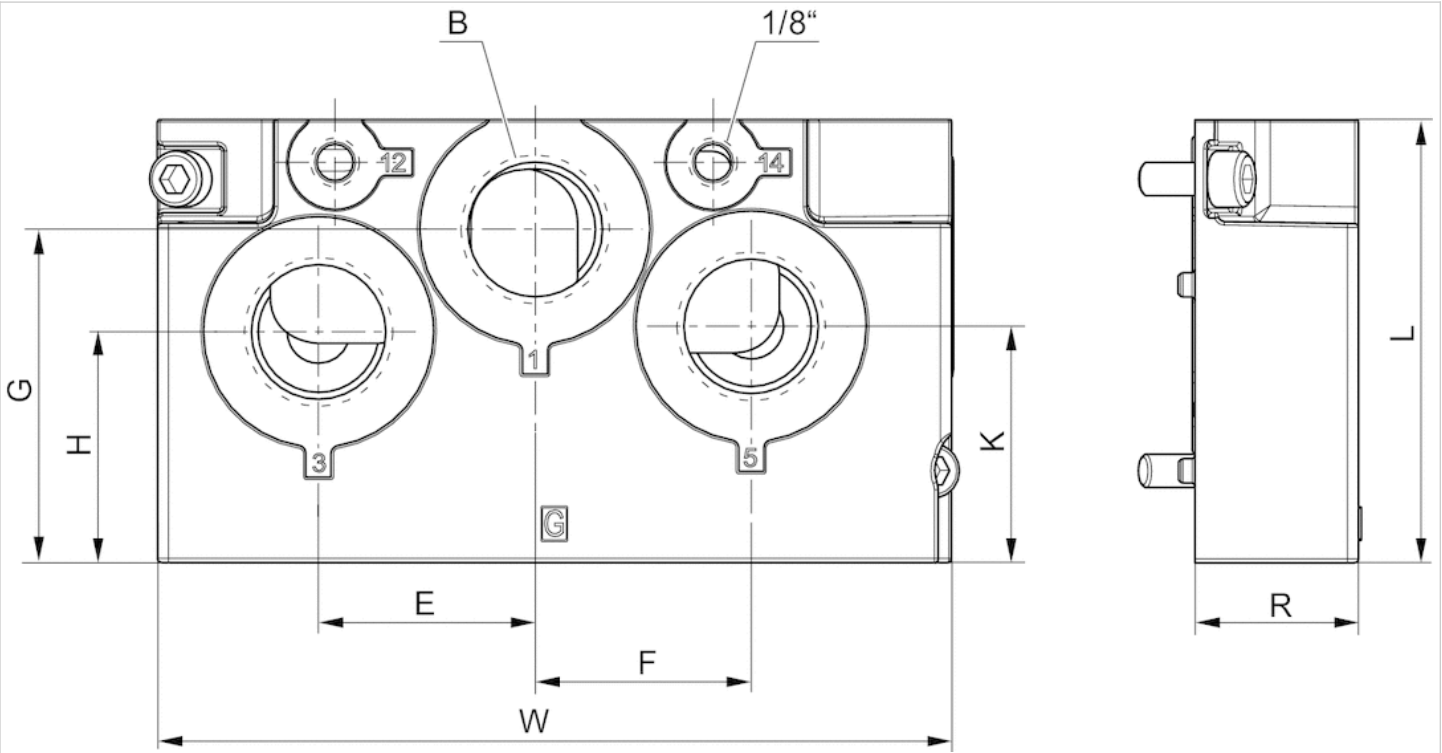
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 27 °F under ambient and medium temperature and may not exceed 5.4 °F .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Surface	painted
Base plate	Die-cast aluminum, black painted
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	E	F	G	H	J	K	W	Frame size
R432037652	23	18	15.5	30	20	37.5	135	ISO 1
R432037654	39	39	60	41.5	38	42.5	143	ISO 2
R432037656	49	49	76	53	32	53	53	ISO 3

End plate left

- standard ISO 5599-1
- Frame size ISO 1, ISO 2, ISO 3
- type C



Standards	ISO 5599-1
Working pressure min./max.	-13 ... 232 psi
Ambient temperature min./max.	5 ... 158 °F
Medium temperature min./max.	5 ... 158 °F
Medium	Compressed air
Weight	0.331 lbs

Technical data

Part No.	Frame size	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]
R432037646	ISO 1	3/8 NPT	3/8 NPT
R432037648	ISO 2	3/4 NPT	3/4 NPT
R432037650	ISO 3	1 NPT	1 NPT

Scope of delivery incl. seal and mounting screws

Technical information

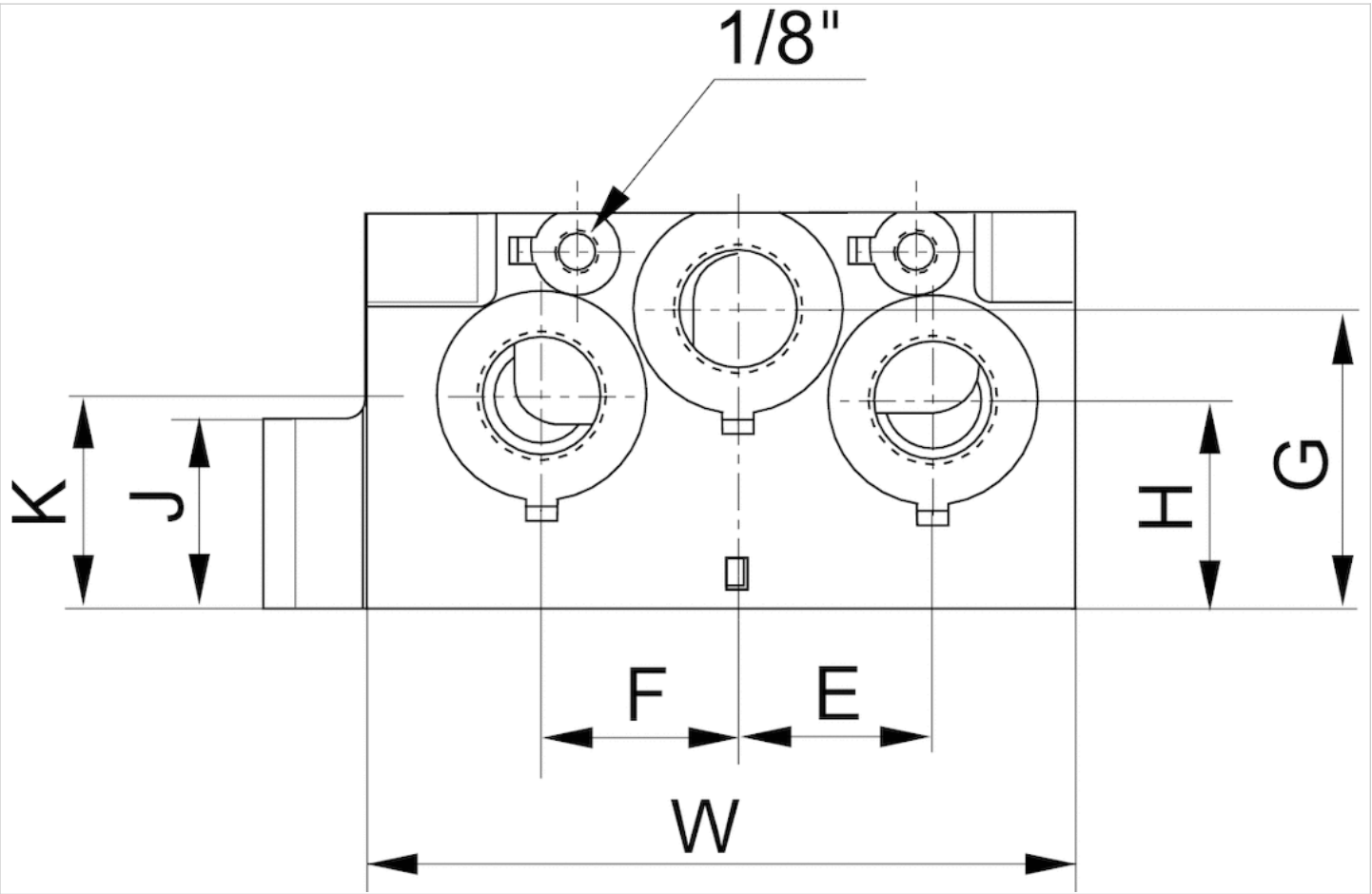
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 27 °F under ambient and medium temperature and may not exceed 5.4 °F .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Base plate	Die-cast aluminum
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	E	F	G	H	J	K	W
R432037646	23	18	15.5	30	20	37.5	135
R432037648	39	39	60	41.5	38	42.5	143
R432037650	49	49	76	53	32	53	164

ISO 5599-1, Base and end plates, Inch version

- standard ISO 5599-1
- Frame size ISO 1, ISO 2, ISO 3
- type C
- Compressed air connection output 3/8 NPT, 1/2 NPT, 3/4 NPT
- Can be assembled into blocks



Standards	ISO 5599-1
Working pressure min./max.	-13 ... 232 psi
Ambient temperature min./max.	5 ... 158 °F
Medium temperature min./max.	5 ... 158 °F
Medium	Compressed air
Direction of pneumatic port (1)	Both directions possible
Direction of pneumatic port (3,5)	Both directions possible
Exhaust type	Ports separated
Weight	0.805 lbs

Technical data

Part No.	Frame size	Compressed air connection Output [2 / 4]
R432037640	ISO 1	3/8 NPT
R432037642	ISO 2	1/2 NPT
R432037644	ISO 3	3/4 NPT

Scope of delivery incl. seal and mounting screws

Technical information

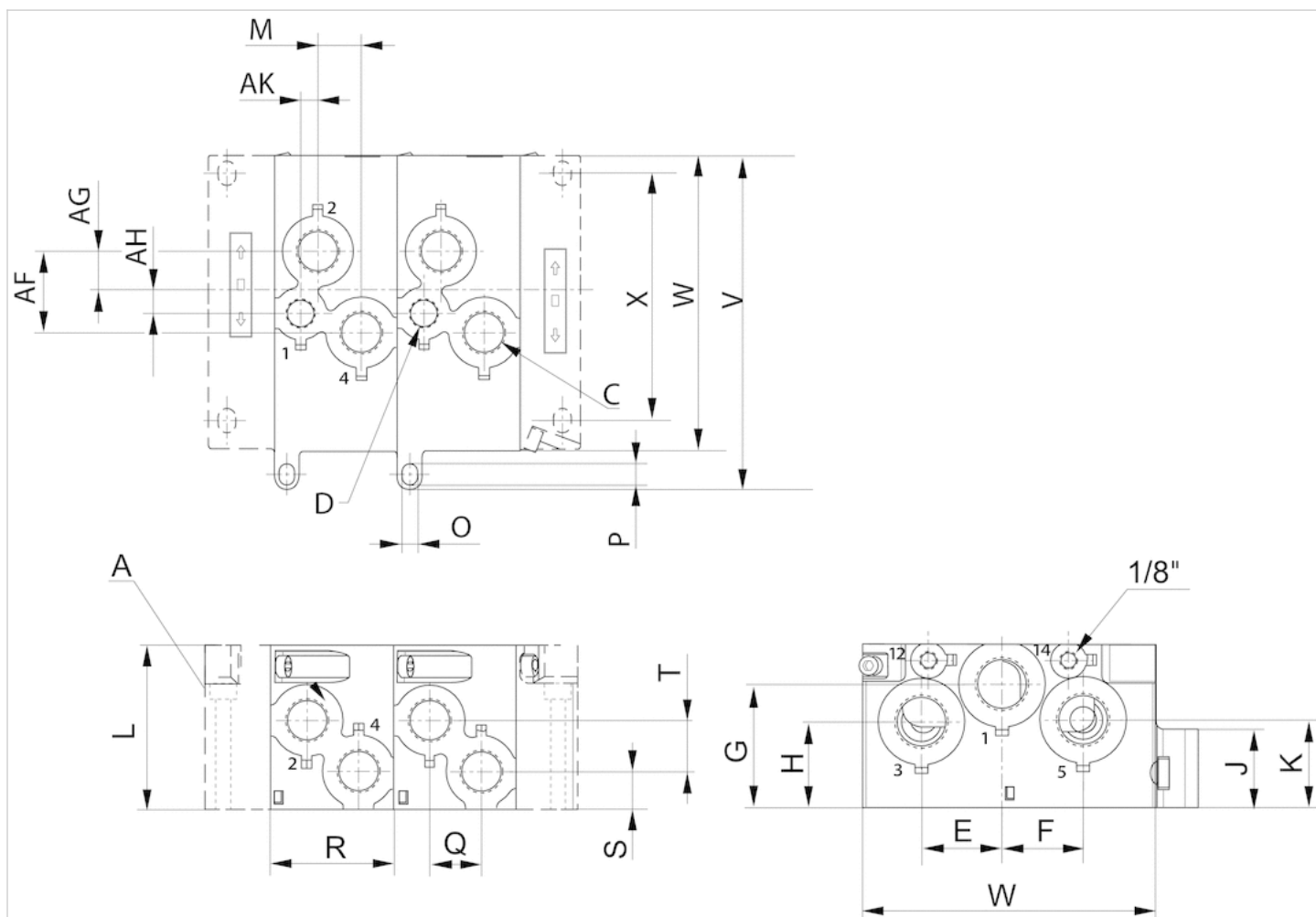
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 27 °F under ambient and medium temperature and may not exceed 5.4 °F .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Surface	painted
Base plate	Die-cast aluminum, black painted
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



A = left and right end plates in two versions

Dimensions

Part No.	A	D	C	F	G	H	K	L	M	O	P	R	Q	S	T
R432037640	1/4 NPT	-	3/8 NPT	23.8	11.8	-	-	60.6	12	5.5	8.5	45	18	13.3	14.7
R432037642	1/2 NPT	3/8 NPT	1/2 NPT	39.5	19	11	8.2	79.7	21	5.5	9.3	59.5	25	18	24.8
R432037644	3/4 NPT	1/2 NPT	3/4 NPT	46.3	25.1	11.2	15.8	100	22.5	6.3	9.3	80	38	24.5	20.5

End plate left, End plate right

- standard ISO 5599-1
- Frame size ISO 1
- type K
- Can be assembled into blocks



Standards	ISO 5599-1
Working pressure min./max.	-14 ... 232 psi
Ambient temperature min./max.	-4 ... 158 °F
Medium temperature min./max.	-4 ... 158 °F
Medium	Compressed air
Direction of pneumatic port (1)	Both directions possible
Direction of pneumatic port (3,5)	Both directions possible
Exhaust (3,5)	uncollected exhaust
Exhaust type	Ports separated
Weight	0.331 lbs

Technical data

Part No.	Compressed air connection Input [1]	Compressed air connection Exhaust [3 / 5]	Fig.
R432015318	G 1/4	G 1/4	Fig. 1
R432015319	G 1/4	G 1/4	Fig. 1

Scope of delivery incl. seal and mounting screws

Technical information

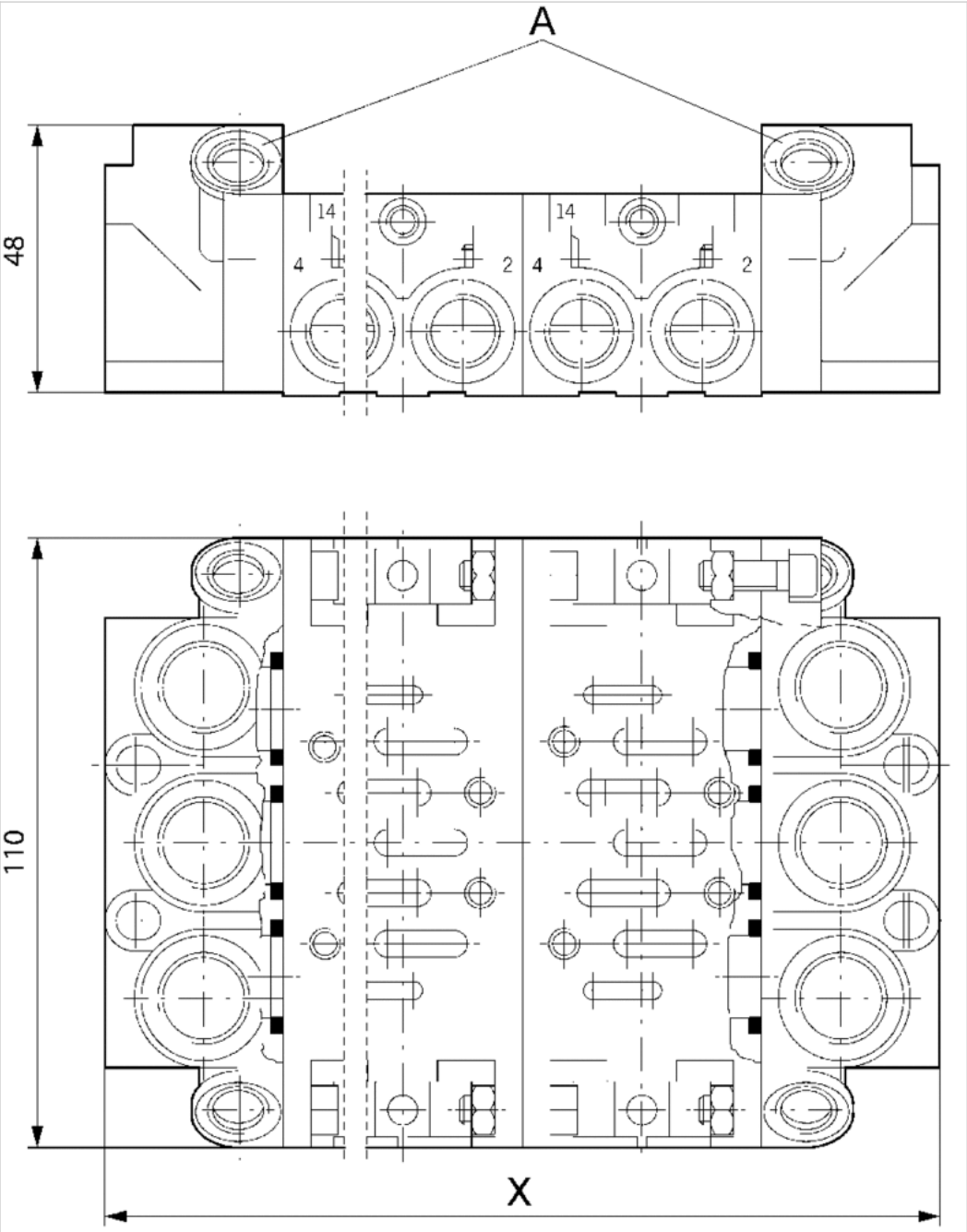
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 27 °F under ambient and medium temperature and may not exceed 5.4 °F .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Surface	painted
Base plate	Die-cast aluminum, black painted
Seal	Acrylonitrile butadiene rubber

Dimensions

Dimensions



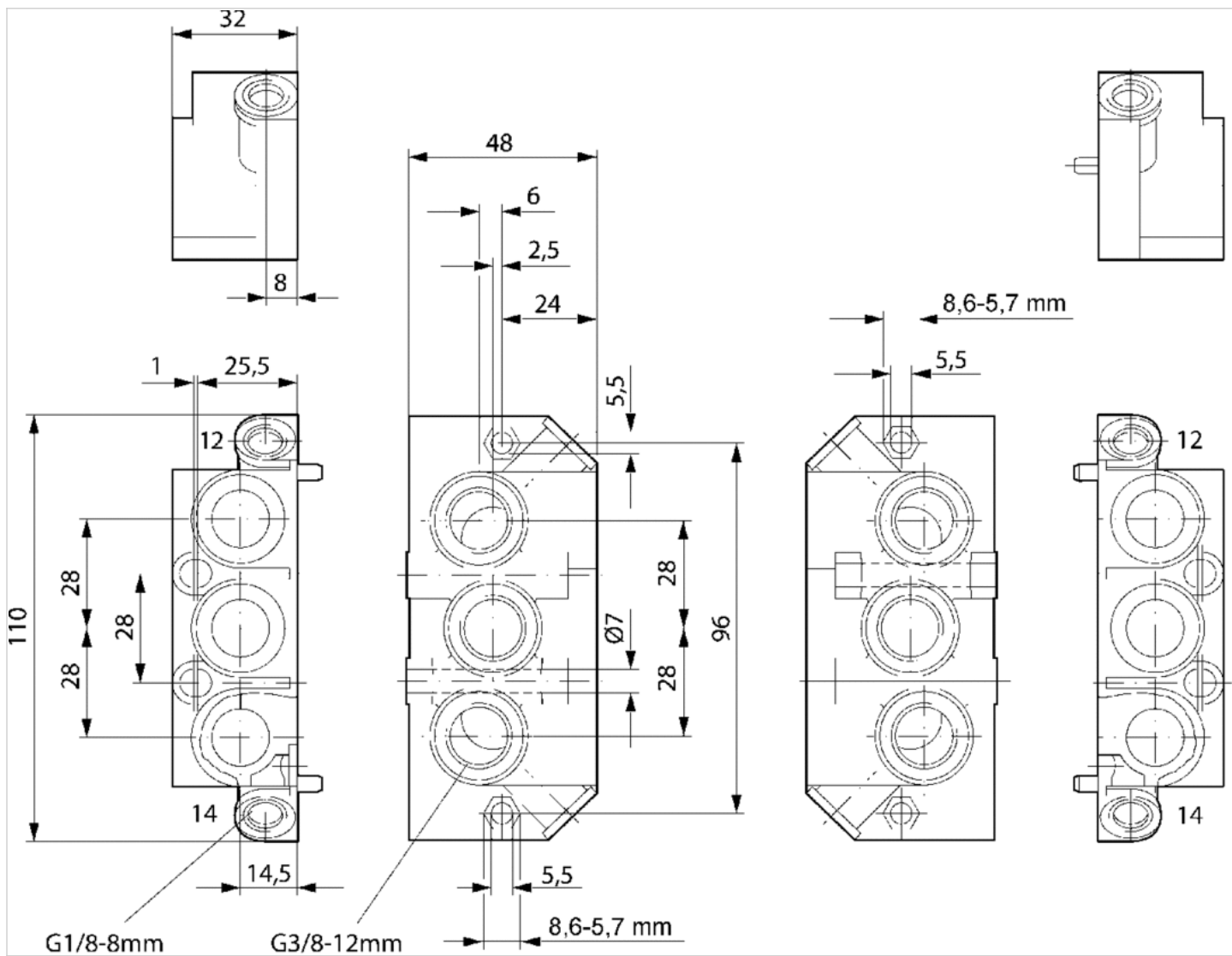
A = left and right end plates in two versions

Dimensions

n	X
2	150
3	193
4	236
...	...
n	n*43+64

n = number of valve positions

Dimensions



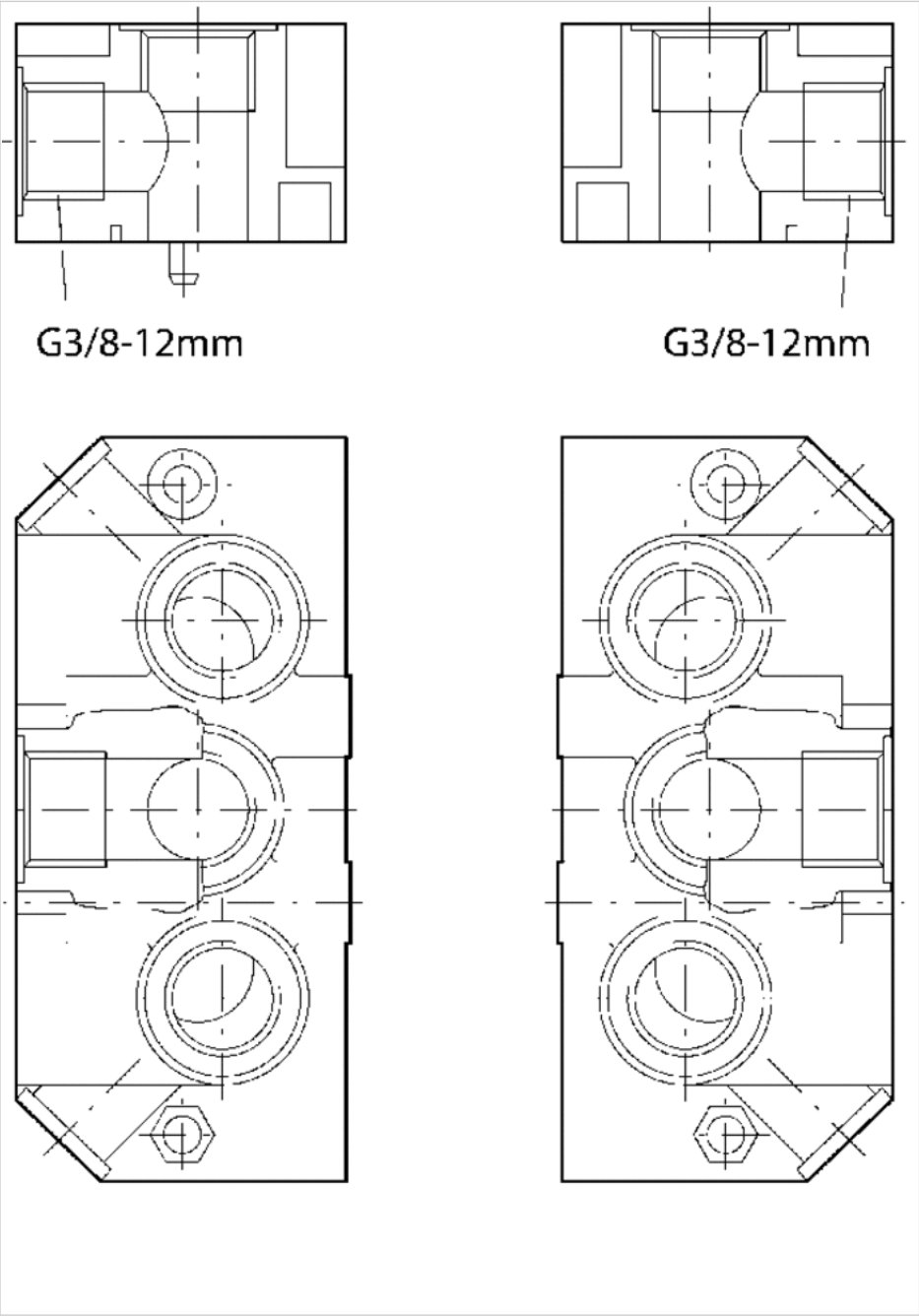


Fig. 1 Thread connections 1 3 and 5 axial

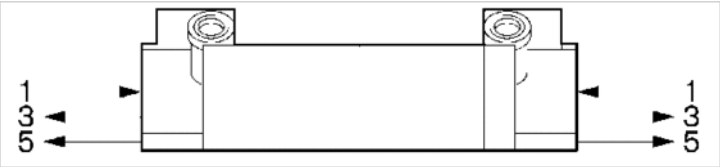
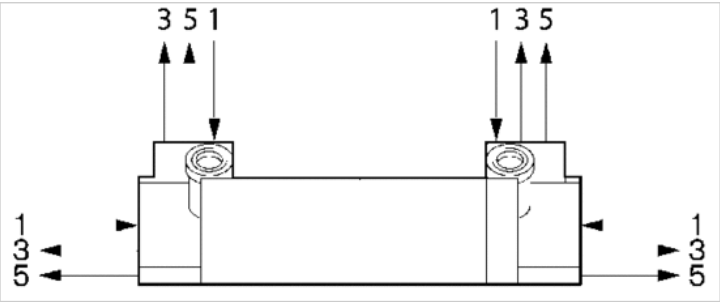


Fig. 2 Thread connections 1 3 and 5 axial and from the top



stacking assembly subplate, ISO size 3



Medium
 Weight

Compressed air
 3.59 lbs

Technical data

Part No.	Type
R432015348	ISO 5599-1, size 3

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 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

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	Aluminum
Base plate	Aluminum

Dimensions

Dimensions

