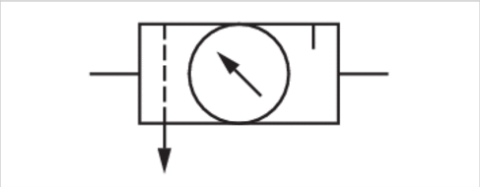
Series 652

AVENTICS™ Series 652

EMERSON.

Air preparation unit, 2-part, Series 652

- G 1/4 G 3/8 G 1/2
- filter porosity 25 µm
- With integrated pressure gauge



Type	2-part, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	5 ... 50 °C
Medium temperature min./max.	5 ... 50 °C
Adjustment range min./max.	0,5 ... 10 bar
Condensate drain	semi-automatic, open without pressure

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	filter porosity	Condensate drain
A652A0000000001	G 1/4	25 µm	semi-automatic, open without pressure
A652A0000000002	G 3/8	25 µm	semi-automatic, open without pressure
A652A0000000003	G 1/2	25 µm	semi-automatic, open without pressure

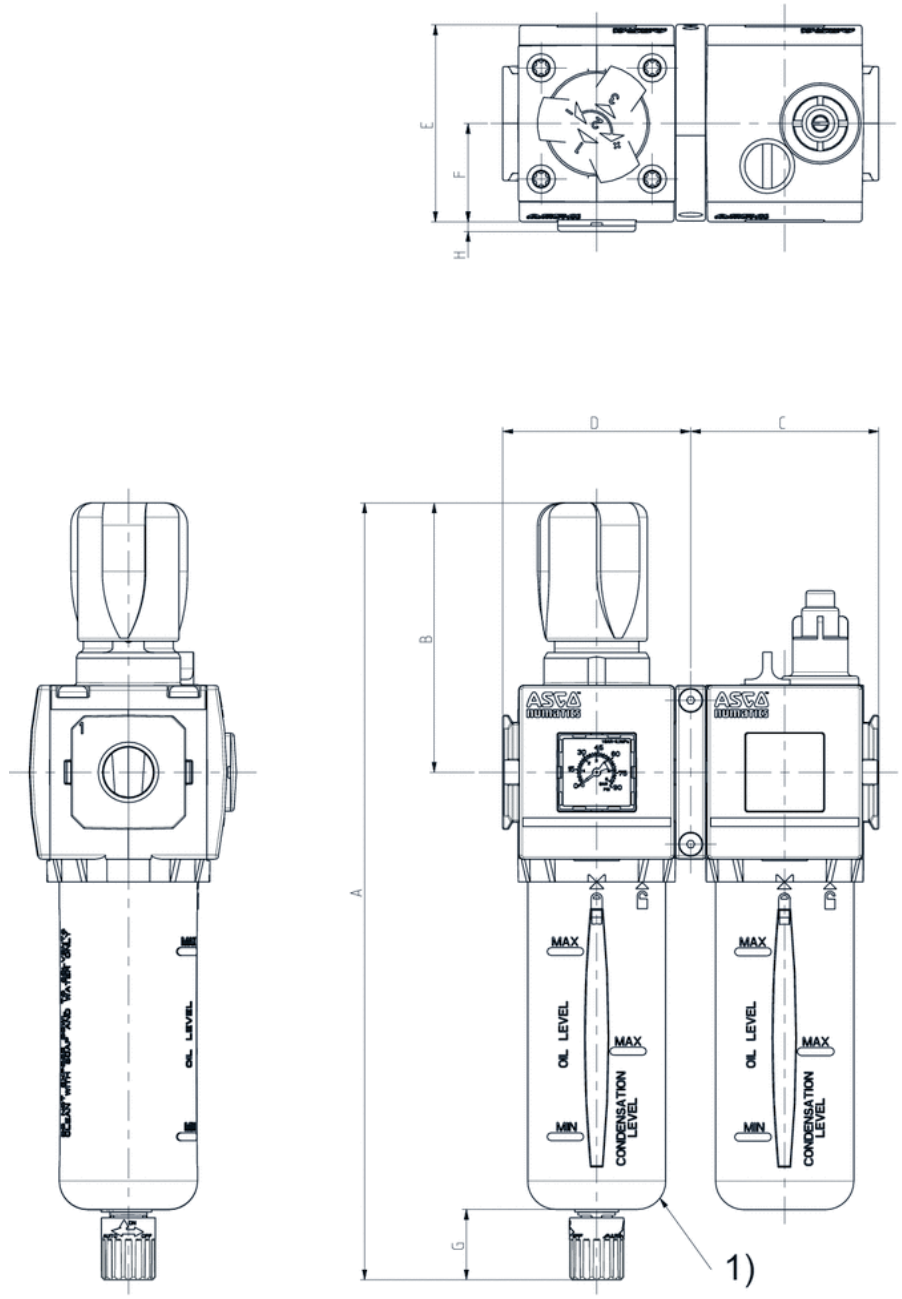
Part No.	Pressure gauge
A652A0000000001	With integrated pressure gauge
A652A0000000002	With integrated pressure gauge
A652A0000000003	With integrated pressure gauge

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber
Reservoir	Polycarbonate
Condensate drain	Plastic

Dimensions

Dimensions



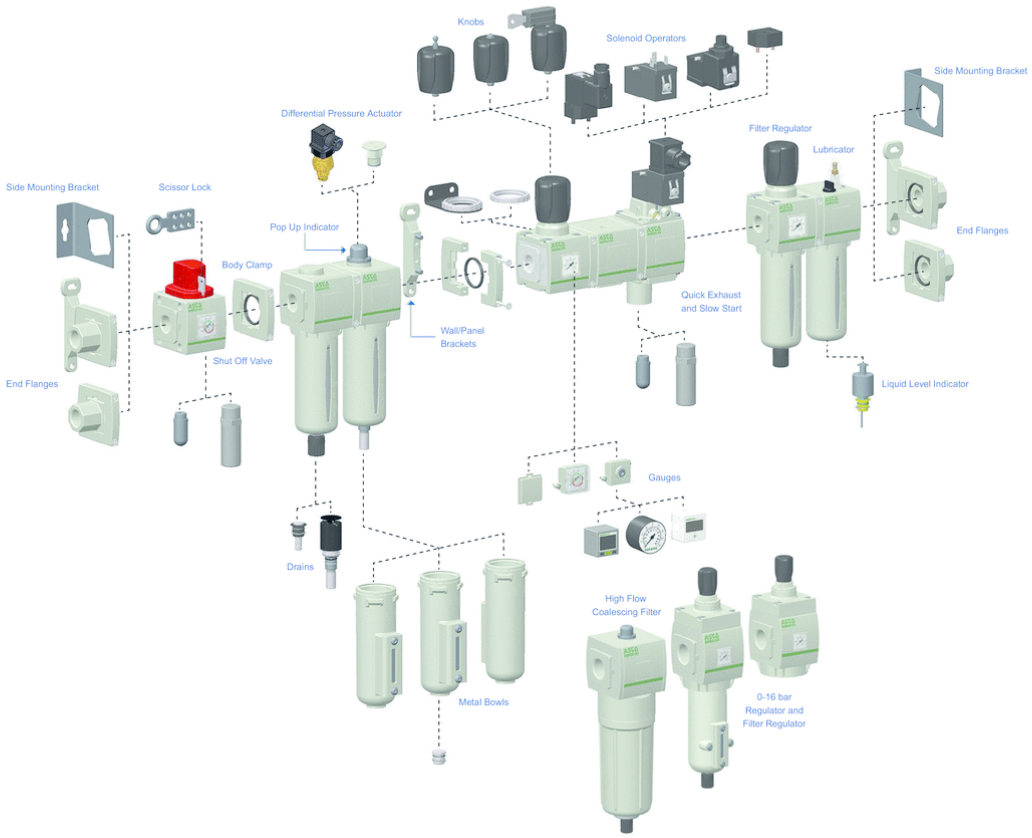
1) To remove the reservoir, allow a clearance of 80 mm from the bottom of the reservoir drain.

Dimensions

Series	A	B	C	D	E	F	G	H
652	273	94,5	66	66	69	34,5	25	3,4

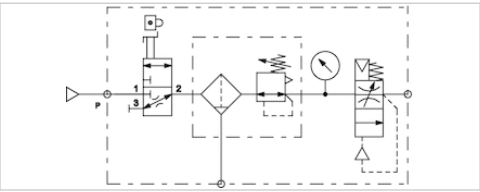
Accessories overview

Accessories overview



Air preparation unit, 3-part, Series 652

- G 1/4 G 3/8 G 1/2
- filter porosity 25 µm
- With integrated pressure gauge



Type	3-part
Parts	Shut-off valve, Filter pressure regulator, Filling valve
Working pressure min./max.	3,8 ... 10 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Adjustment range min./max.	0,5 ... 10 bar
Condensate drain	semi-automatic, open without pressure

Technical data

Part No.	Port	filter porosity	Condensate drain
A652A0000003642	G 1/4	25 µm	semi-automatic, open without pressure
A652A0000003643	G 3/8	25 µm	semi-automatic, open without pressure
A652A0000003644	G 1/2	25 µm	semi-automatic, open without pressure

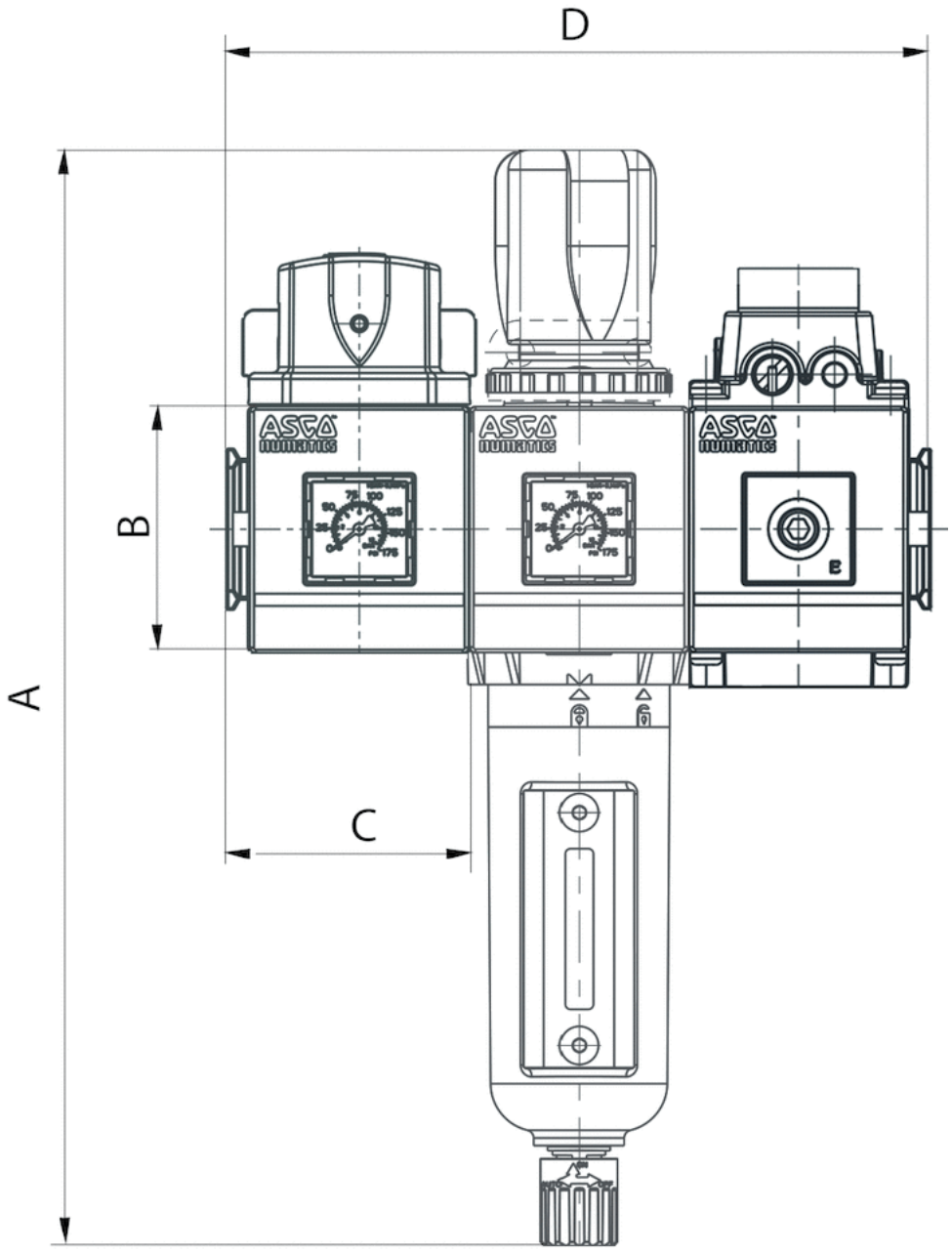
Part No.	Pressure gauge
A652A0000003642	With integrated pressure gauge
A652A0000003643	With integrated pressure gauge
A652A0000003644	With integrated pressure gauge

Technical information

Material	
Seals	Nitrile butadiene rubber
Condensate drain	Plastic

Dimensions

Dimensions

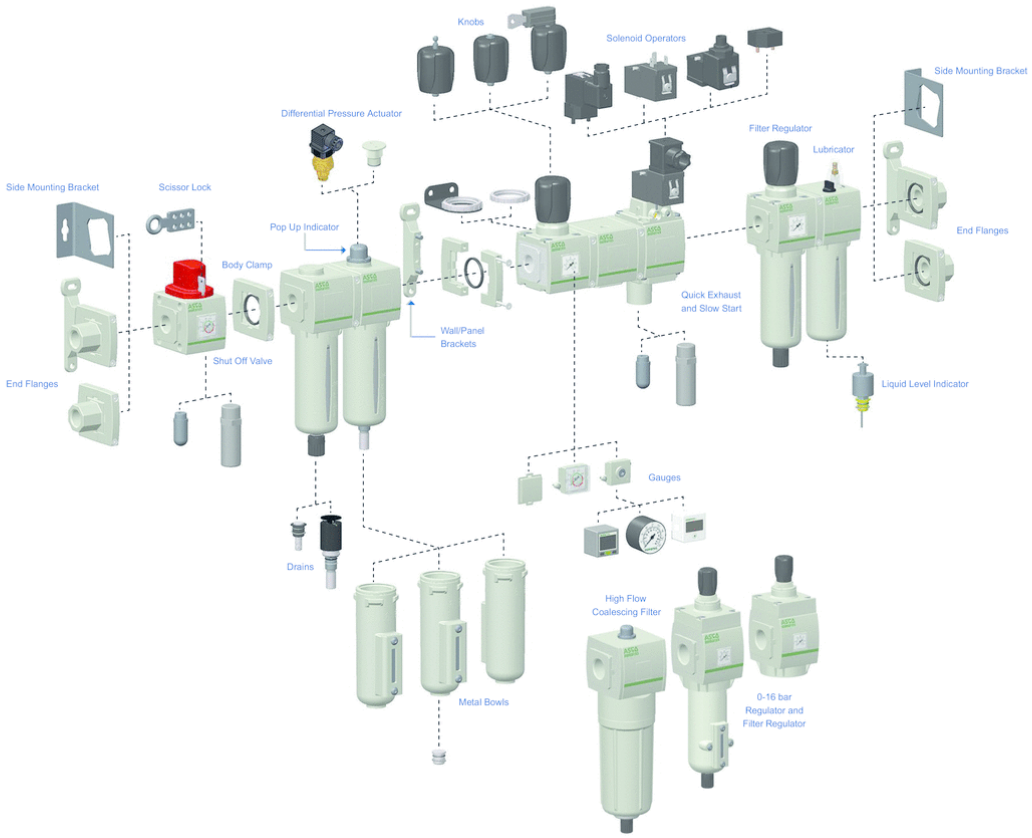


Dimensions

Series	A	B	C	D
652	273	69	66	198

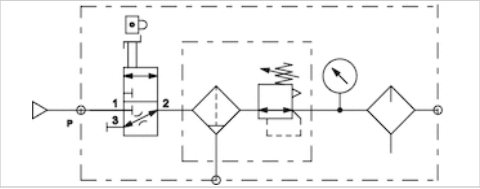
Accessories overview

Accessories overview



Air preparation unit, 3-part, Series 652

- G 1/4 G 3/8 G 1/2
- filter porosity 25 µm
- With integrated pressure gauge



Type	3-part
Parts	Shut-off valve, Filter pressure regulator, Lubricator
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	5 ... 50 °C
Medium temperature min./max.	5 ... 50 °C
Medium	Compressed air Neutral gases
Adjustment range min./max.	0,5 ... 10 bar
Condensate drain	semi-automatic, open without pressure

Technical data

Part No.	Port	filter porosity	Condensate drain
A652A0000003392	G 1/4	25 µm	semi-automatic, open without pressure
A652A0000003393	G 3/8	25 µm	semi-automatic, open without pressure
A652A0000002941	G 1/2	25 µm	semi-automatic, open without pressure

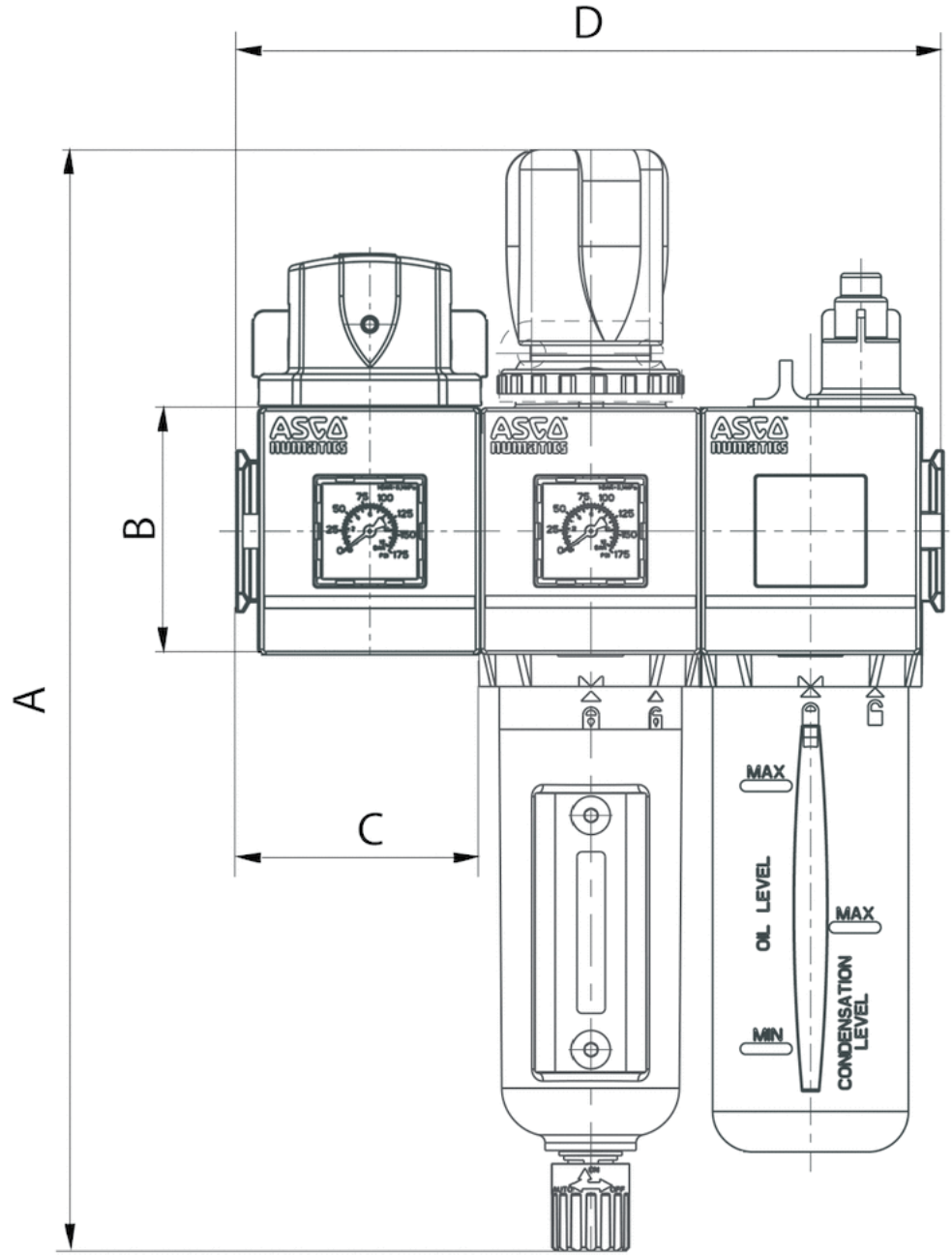
Part No.	Pressure gauge
A652A0000003392	With integrated pressure gauge
A652A0000003393	With integrated pressure gauge
A652A0000002941	With integrated pressure gauge

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber
Reservoir	Polycarbonate
Condensate drain	Plastic

Dimensions

Dimensions

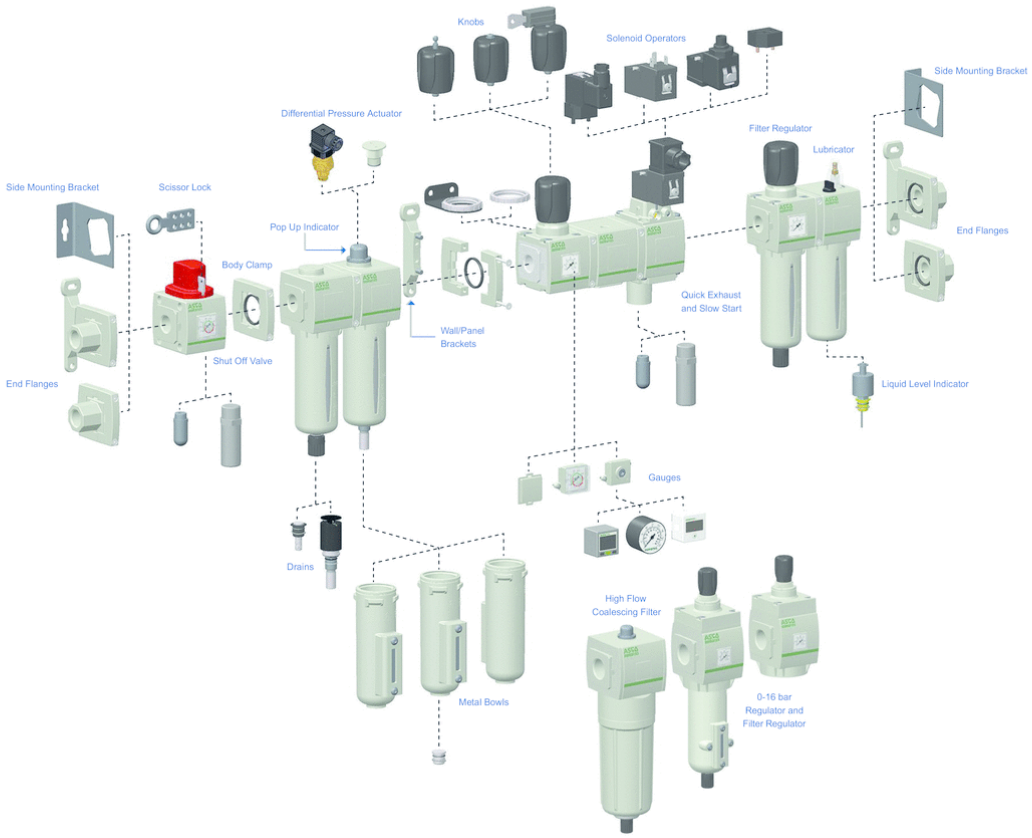


Dimensions

Series	A	B	C	D
652	273	69	66	198

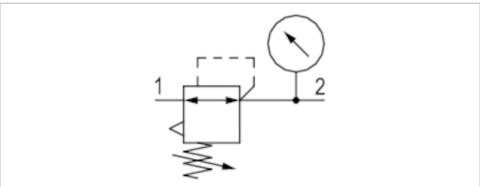
Accessories overview

Accessories overview



Pressure regulator, Series 652

- G 1/4 G 3/8 G 1/2
- Qn = 4120-7000 l/min
- ATEX optional



Parts	Pressure regulator
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C Extended temperature range min./max. (optional) -40 °C ... 80 °C
Medium	Compressed air Neutral gases
Regulator type	Can be assembled into blocks
Adjustment range min./max.	0,5 ... 10 bar
Hysteresis	0.2 bar
Weight	0,43 kg
	The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	Flow
		Qn
G652AR002GA00H0	G 1/4	4120 l/min
G652AR002PA00H0	G 1/4	4120 l/min
G652AR002QA00H0	G 1/4	4120 l/min
G652AR003GA00H0	G 3/8	6530 l/min
G652AR003PA00H0	G 3/8	6530 l/min
G652AR003QA00H0	G 3/8	6530 l/min
G652AR004GA00H0	G 1/2	7000 l/min
G652AR004PA00H0	G 1/2	7000 l/min
G652AR004QA00H0	G 1/2	7000 l/min

Part No.	Pressure gauge
G652AR002GA00H0	With integrated pressure gauge
G652AR002PA00H0	Transition plate for assembling a pressure gauge with connection thread G 1/8
G652AR002QA00H0	with pressure gauge
G652AR003GA00H0	With integrated pressure gauge
G652AR003PA00H0	Transition plate for assembling a pressure gauge with connection thread G 1/8
G652AR003QA00H0	with pressure gauge
G652AR004GA00H0	With integrated pressure gauge
G652AR004PA00H0	Transition plate for assembling a pressure gauge with connection thread G 1/8
G652AR004QA00H0	with pressure gauge

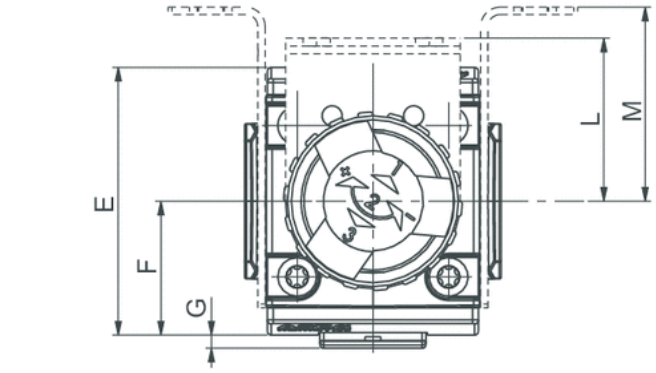
Nominal flow Qn at p1= 10 bar , p2= 6.3 bar and Δp = 1 bar

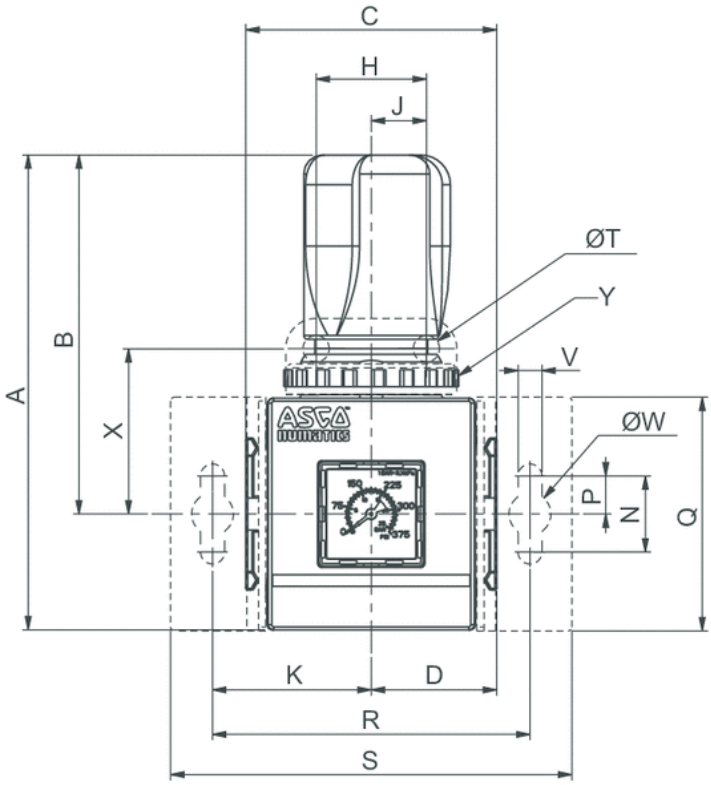
Technical information

Material	
Housing	Aluminum
Front plate	Polyamide
Seals	Nitrile butadiene rubber

Dimensions

Dimensions



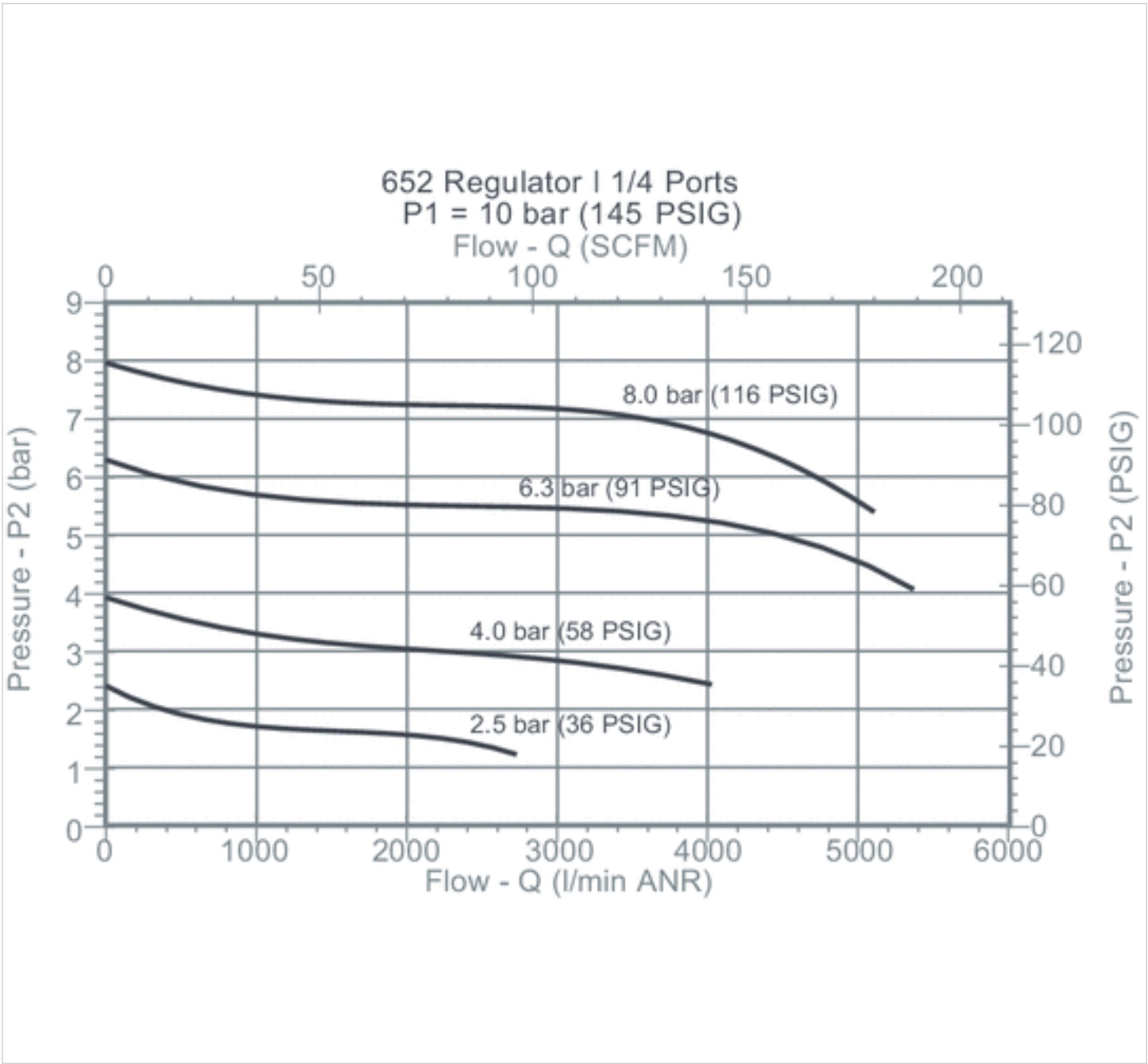


Dimensions

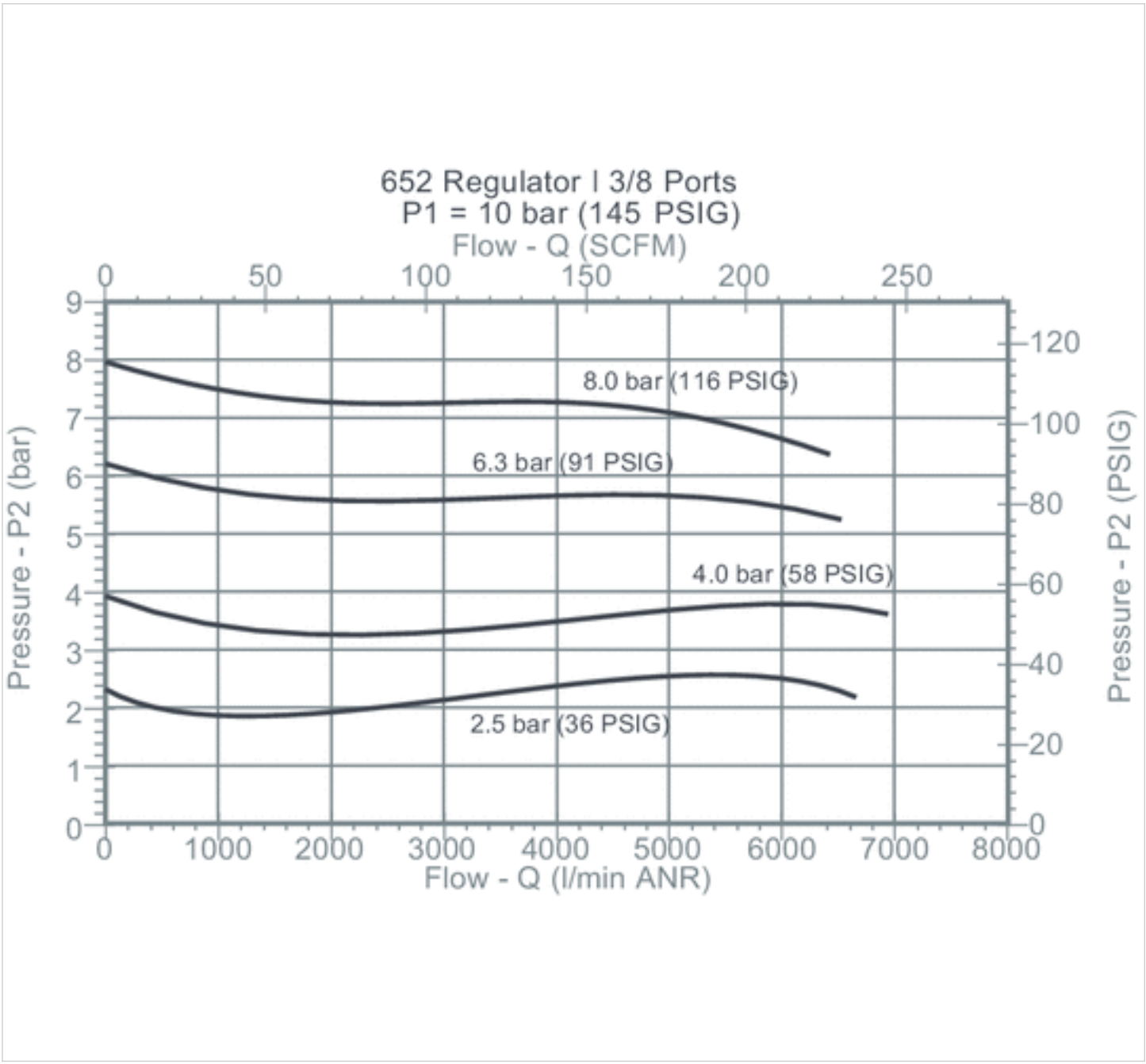
Series	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	W	X	Y
652	125	94,5	66	33	69	34,5	2,5	29	14,5	41,75	42	50	20	10	61,5	83,5	105,5	7	6,3	11	43,5	M37x2

Diagrams

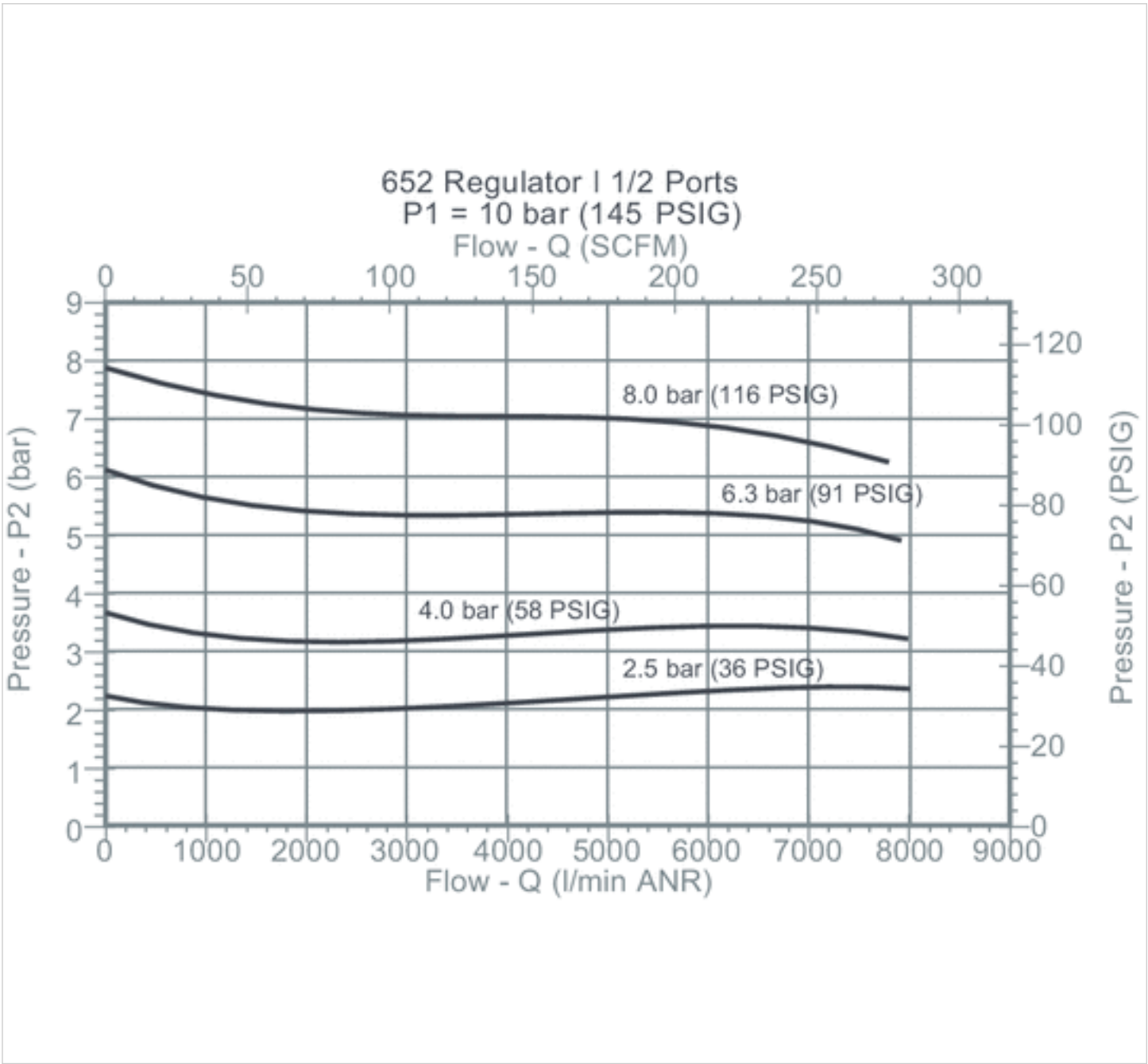
Flow diagram, G 1/4



Flow diagram, G 3/8

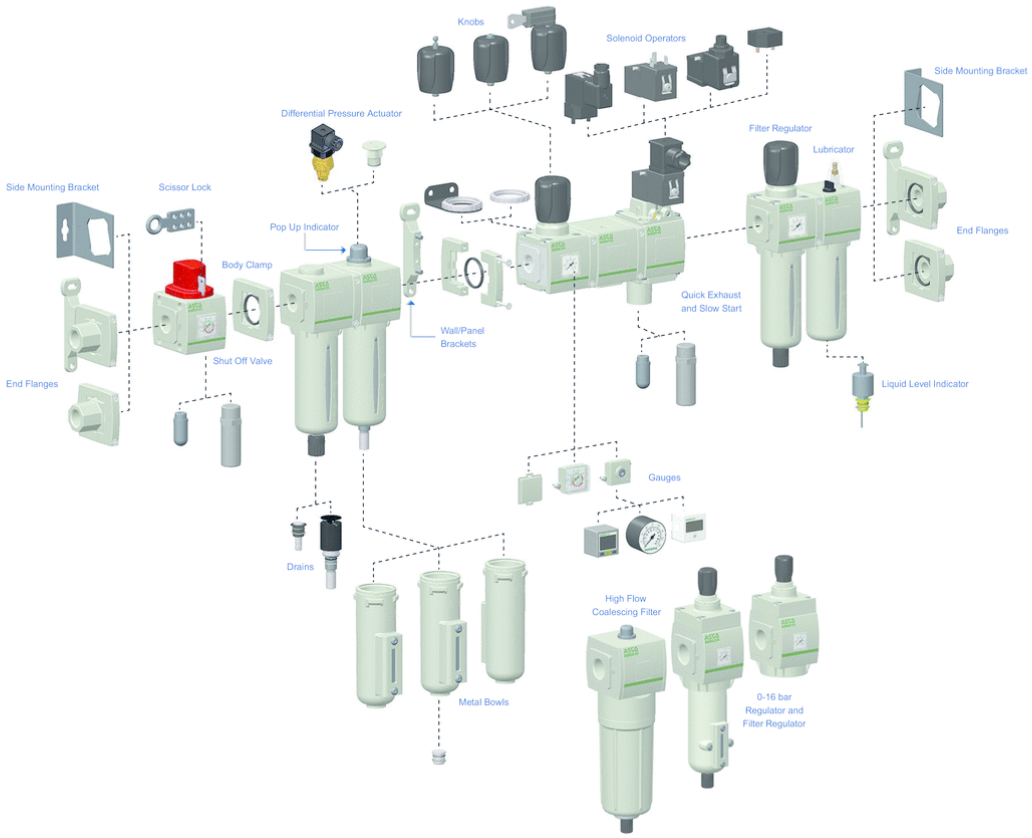


Flow diagram, G 1/2



Accessories overview

Accessories overview



Ordering information

G 651 A R 0 0 2 G A00 H 0

Thread connection
G = ISO 228/1-G (1)
8 = NPTF

Product series
651
652
653

Revision letter
A

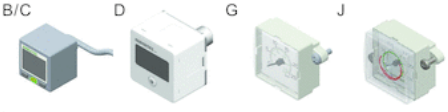
Product type
K = Regulator "Quick Relief Option" (652 only)
R = Regulator (2)
W = Pilot Operated Regulator (652 only)

K/R W

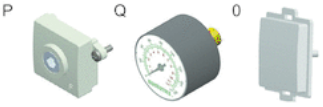
Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

Gauge type
B = Digital pressure switch - PNP
C = Digital pressure switch - NPN
D = Digital gauge
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8

B/C D G J



P Q 0



Pressure range
D = 0,2..3 bar
H = 0,5..10 bar
N = 0,5..16 bar (653 only)

Options (3)
A00 = Without option
101 = Side Mounting Brackets
102 = Panel Nut (651 or 652)
103 = Tamper resistant
104 = Key lockable
105 = High temperature (+80°C)
106 = Low temperature (-40°C) (4)
109 = FPM seals
113 = Stainless steel fasteners
114 = Provision for key lock
117 = ATEX zones 1-21
119 = Panel Bracket with Panel Nut (651 or 652)
121 = Non-relieving
122 = Bottom oriented pressure adjustment
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
202 = 105 + 109
2A9 = 105 + 106

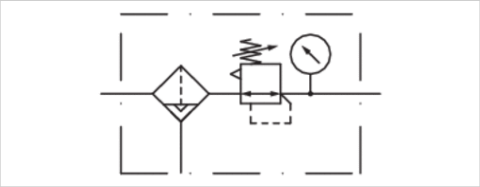
101 103 104 119

122 123

(1) Conforms to ISO standards 1179-1.
(2) Relieving standard; use option 121 for non-relieving
(3) If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).
(4) Compressed air must be dry enough so no ice formation is present on the product.

Filter pressure regulator, Series 652

- G 1/4 G 3/8 G 1/2
- filter porosity 5 25 µm
- With integrated pressure gauge



Type	1-part
Parts	Filter pressure regulator
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C Extended temperature range min./max. (optional) -40 °C ... 80 °C
Medium	Compressed air Neutral gases
Adjustment range min./max.	0,5 ... 10 bar
Hysteresis	0.5 bar
Weight	See table below
	The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	filter porosity	Flow	Condensate drain
			Qn	
G652APBK2GA00HA	G 1/4	5 µm	4450 l/min	fully automatic, open without pressure
G652APBK2GA00HN	G 1/4	5 µm	3800 l/min	semi-automatic, open without pressure
G652APBK3GA00HA	G 3/8	5 µm	4450 l/min	fully automatic, open without pressure
G652APBK3GA00HN	G 3/8	5 µm	4450 l/min	semi-automatic, open without pressure
G652APBK4GA00HA	G 1/2	5 µm	4490 l/min	fully automatic, open without pressure
G652APBL3GA00HA	G 3/8	5 µm	4450 l/min	fully automatic, open without pressure
G652APBK4GA00HN	G 1/2	5 µm	4490 l/min	semi-automatic, open without pressure
G652APBL2GA00HA	G 1/4	5 µm	3800 l/min	fully automatic, open without pressure
G652APBL2GA00HN	G 1/4	5 µm	3800 l/min	semi-automatic, open without pressure
G652APBL3GA00HN	G 3/8	5 µm	4450 l/min	semi-automatic, open without pressure
G652APBL4GA00HA	G 1/2	5 µm	4490 l/min	fully automatic, open without pressure
G652APBL4GA00HN	G 1/2	5 µm	4490 l/min	semi-automatic, open without pressure
G652APBP2GA00HA	G 1/4	5 µm	3800 l/min	fully automatic, open without pressure
G652APBP2GA00HN	G 1/4	5 µm	3800 l/min	semi-automatic, open without pressure
G652APBP3GA00HA	G 3/8	5 µm	4450 l/min	fully automatic, open without pressure
G652APBP3GA00HN	G 3/8	5 µm	4450 l/min	semi-automatic, open without pressure
G652APBP4GA00HA	G 1/2	5 µm	4490 l/min	fully automatic, open without pressure
G652APBP4GA00HN	G 1/2	5 µm	4490 l/min	semi-automatic, open without pressure
G652APJK2GA00HA	G 1/4	25 µm	4120 l/min	fully automatic, open without pressure
G652APJK2GA00HN	G 1/4	25 µm	4120 l/min	semi-automatic, open without pressure
G652APJK3GA00HA	G 3/8	25 µm	5420 l/min	fully automatic, open without pressure
G652APJK3GA00HN	G 3/8	25 µm	5420 l/min	semi-automatic, open without pressure

Part No.	Port	filter porosity	Flow	Condensate drain
			Qn	
G652APJK4GA00HA	G 1/2	25 µm	5500 l/min	fully automatic, open without pressure
G652APJK4GA00HN	G 1/2	25 µm	5500 l/min	semi-automatic, open without pressure
G652APJL2GA00HA	G 1/4	25 µm	4120 l/min	fully automatic, open without pressure
G652APJL2GA00HN	G 1/4	25 µm	4120 l/min	semi-automatic, open without pressure
G652APJL3GA00HA	G 3/8	25 µm	5420 l/min	fully automatic, open without pressure
G652APJL3GA00HN	G 3/8	25 µm	5420 l/min	semi-automatic, open without pressure
G652APJL4GA00HA	G 1/2	25 µm	5500 l/min	fully automatic, open without pressure
G652APJL4GA00HN	G 1/2	25 µm	5500 l/min	semi-automatic, open without pressure
G652APJP2GA00HA	G 1/4	25 µm	4120 l/min	fully automatic, open without pressure
G652APJP2GA00HN	G 1/4	25 µm	4120 l/min	semi-automatic, open without pressure
G652APJP3GA00HA	G 3/8	25 µm	5420 l/min	fully automatic, open without pressure
G652APJP3GA00HN	G 3/8	25 µm	5420 l/min	semi-automatic, open without pressure
G652APJP4GA00HA	G 1/2	25 µm	5500 l/min	fully automatic, open without pressure
G652APJP4GA00HN	G 1/2	25 µm	5500 l/min	semi-automatic, open without pressure

Part No.	Pressure gauge
G652APBK2GA00HA	With integrated pressure gauge
G652APBK2GA00HN	With integrated pressure gauge
G652APBK3GA00HA	With integrated pressure gauge
G652APBK3GA00HN	With integrated pressure gauge
G652APBK4GA00HA	With integrated pressure gauge
G652APBL3GA00HA	With integrated pressure gauge
G652APBK4GA00HN	With integrated pressure gauge
G652APBL2GA00HA	With integrated pressure gauge
G652APBL2GA00HN	With integrated pressure gauge
G652APBL3GA00HN	With integrated pressure gauge
G652APBL4GA00HA	With integrated pressure gauge
G652APBL4GA00HN	With integrated pressure gauge
G652APBP2GA00HA	With integrated pressure gauge
G652APBP2GA00HN	With integrated pressure gauge
G652APBP3GA00HA	With integrated pressure gauge
G652APBP3GA00HN	With integrated pressure gauge
G652APBP4GA00HA	With integrated pressure gauge
G652APBP4GA00HN	With integrated pressure gauge
G652APJK2GA00HA	With integrated pressure gauge
G652APJK2GA00HN	With integrated pressure gauge
G652APJK3GA00HA	With integrated pressure gauge
G652APJK3GA00HN	With integrated pressure gauge
G652APJK4GA00HA	With integrated pressure gauge
G652APJK4GA00HN	With integrated pressure gauge
G652APJL2GA00HA	With integrated pressure gauge
G652APJL2GA00HN	With integrated pressure gauge
G652APJL3GA00HA	With integrated pressure gauge
G652APJL3GA00HN	With integrated pressure gauge
G652APJL4GA00HA	With integrated pressure gauge
G652APJL4GA00HN	With integrated pressure gauge
G652APJP2GA00HA	With integrated pressure gauge

Part No.	Pressure gauge
G652APJP2GA00HN	With integrated pressure gauge
G652APJP3GA00HA	With integrated pressure gauge
G652APJP3GA00HN	With integrated pressure gauge
G652APJP4GA00HA	With integrated pressure gauge
G652APJP4GA00HN	With integrated pressure gauge

Part No.	Material Reservoir	Material Condensate drain	Weight
G652APBK2GA00HA	Metal reservoir without window	Brass	0,69 kg
G652APBK2GA00HN	Metal reservoir without window	Plastic	0,69 kg
G652APBK3GA00HA	Metal reservoir without window	Brass	0,69 kg
G652APBK3GA00HN	Metal reservoir without window	Plastic	0,69 kg
G652APBK4GA00HA	Metal reservoir without window	Brass	0,69 kg
G652APBL3GA00HA	reservoir, metal, with inspection glass	Brass	0,69 kg
G652APBK4GA00HN	Metal reservoir without window	Plastic	0,69 kg
G652APBL2GA00HA	reservoir, metal, with inspection glass	Brass	0,69 kg
G652APBL2GA00HN	reservoir, metal, with inspection glass	Plastic	0,69 kg
G652APBL3GA00HN	reservoir, metal, with inspection glass	Plastic	0,69 kg
G652APBL4GA00HA	reservoir, metal, with inspection glass	Brass	0,69 kg
G652APBL4GA00HN	reservoir, metal, with inspection glass	Plastic	0,69 kg
G652APBP2GA00HA	Reservoir polycarbonate	Brass	0,55 kg
G652APBP2GA00HN	Reservoir polycarbonate	Plastic	0,55 kg
G652APBP3GA00HA	Reservoir polycarbonate	Brass	0,55 kg
G652APBP3GA00HN	Reservoir polycarbonate	Plastic	0,55 kg
G652APBP4GA00HA	Reservoir polycarbonate	Brass	0,55 kg
G652APBP4GA00HN	Reservoir polycarbonate	Plastic	0,55 kg
G652APJK2GA00HA	Metal reservoir without window	Brass	0,69 kg
G652APJK2GA00HN	Metal reservoir without window	Plastic	0,69 kg
G652APJK3GA00HA	Metal reservoir without window	Brass	0,69 kg
G652APJK3GA00HN	Metal reservoir without window	Plastic	0,69 kg
G652APJK4GA00HA	Metal reservoir without window	Brass	0,69 kg
G652APJK4GA00HN	Metal reservoir without window	Plastic	0,69 kg
G652APJL2GA00HA	reservoir, metal, with inspection glass	Brass	0,69 kg
G652APJL2GA00HN	reservoir, metal, with inspection glass	Plastic	0,69 kg
G652APJL3GA00HA	reservoir, metal, with inspection glass	Brass	0,69 kg
G652APJL3GA00HN	reservoir, metal, with inspection glass	Plastic	0,69 kg
G652APJL4GA00HA	reservoir, metal, with inspection glass	Brass	0,69 kg
G652APJL4GA00HN	reservoir, metal, with inspection glass	Plastic	0,69 kg
G652APJP2GA00HA	Reservoir polycarbonate	Brass	0,55 kg
G652APJP2GA00HN	Reservoir polycarbonate	Plastic	0,55 kg
G652APJP3GA00HA	Reservoir polycarbonate	Brass	0,55 kg
G652APJP3GA00HN	Reservoir polycarbonate	Plastic	0,55 kg
G652APJP4GA00HA	Reservoir polycarbonate	Brass	0,55 kg
G652APJP4GA00HN	Reservoir polycarbonate	Plastic	0,55 kg

Nominal flow Qn at p1= 10 bar , p2= 6.3 bar and Δp = 1 bar

Technical information

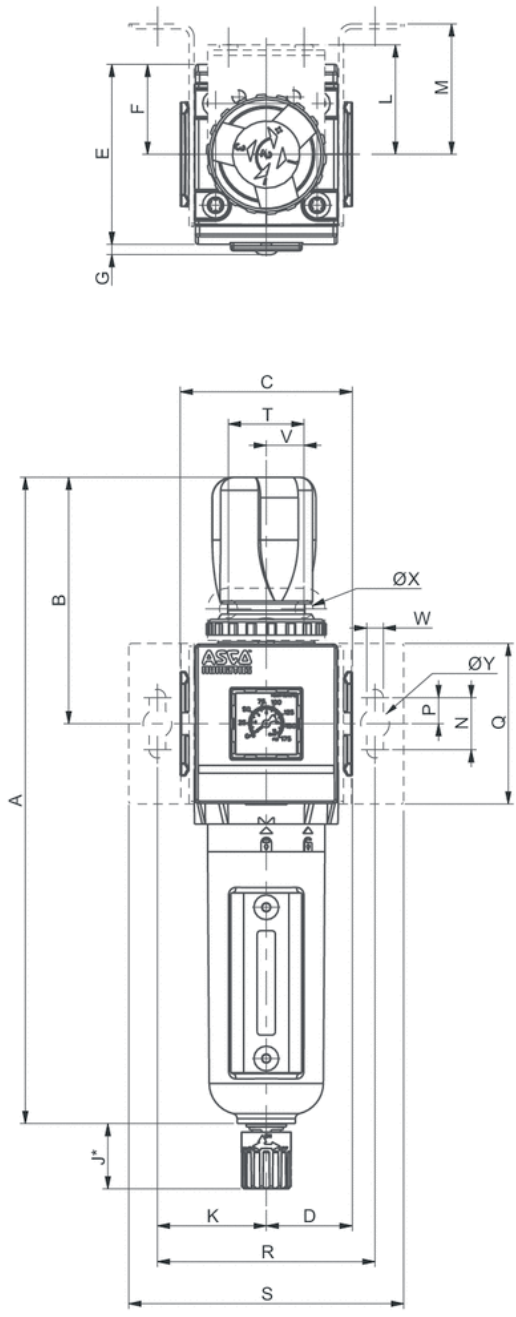
Max. achievable compressed air class acc. to ISO 8573-1:2010 5 : 8 : 4 (5 µm filter porosity) und 6 : 8 : 4 (25µm filter porosity)
Other filter porosities on request.

Technical information

Material	
Housing	Aluminum
Front plate	Polyamide
Seals	Nitrile butadiene rubber
Filter insert	Sintered bronze
Condensate drain	Brass Plastic

Dimensions

Dimensions



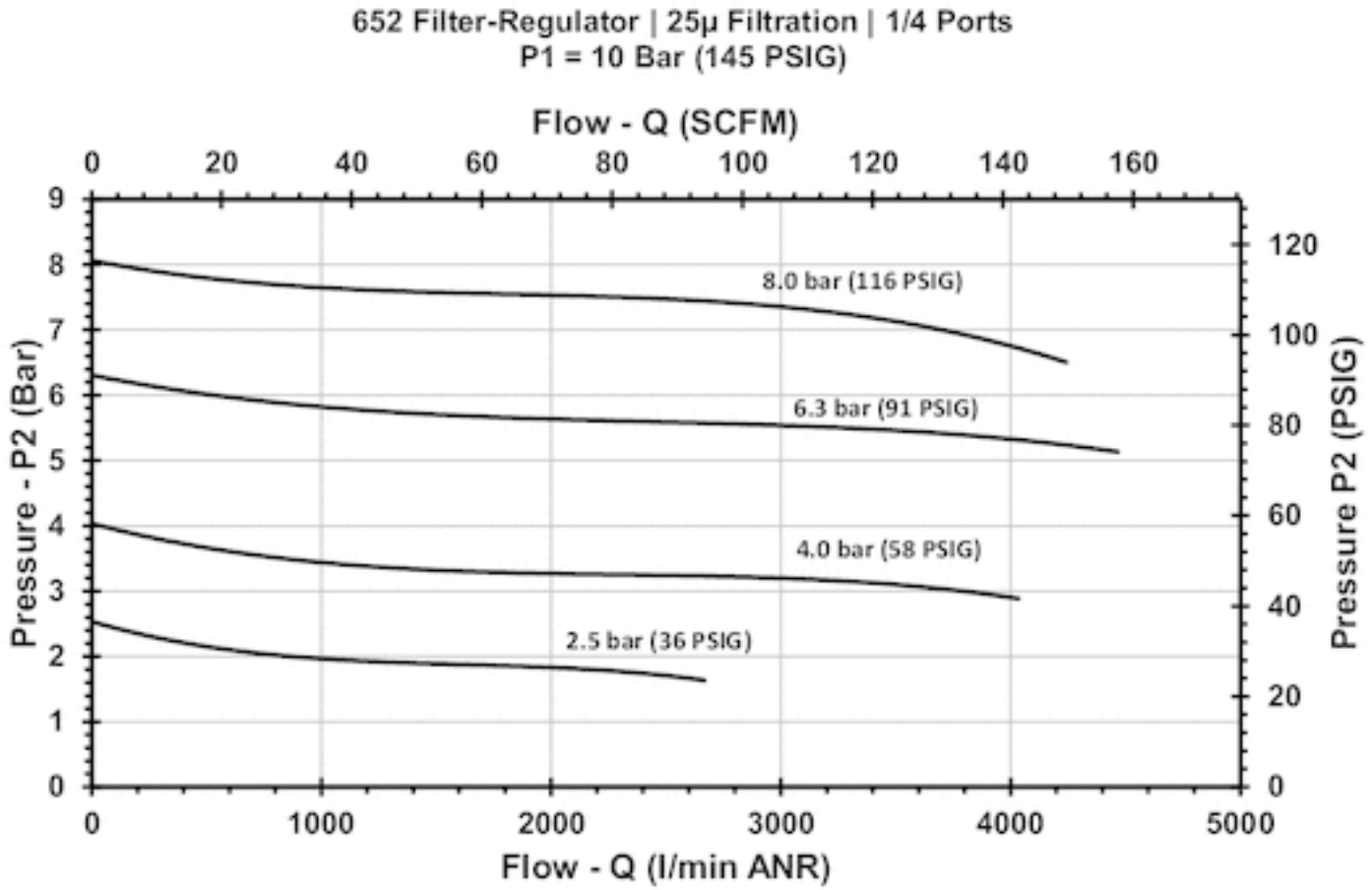
To remove the reservoir, allow a clearance of 80 mm from the bottom of the reservoir drain.
*Variable dimension based on the type of drain specified, if an automatic drain is specified, add another 5 mm to the “J” dimension.

Dimensions

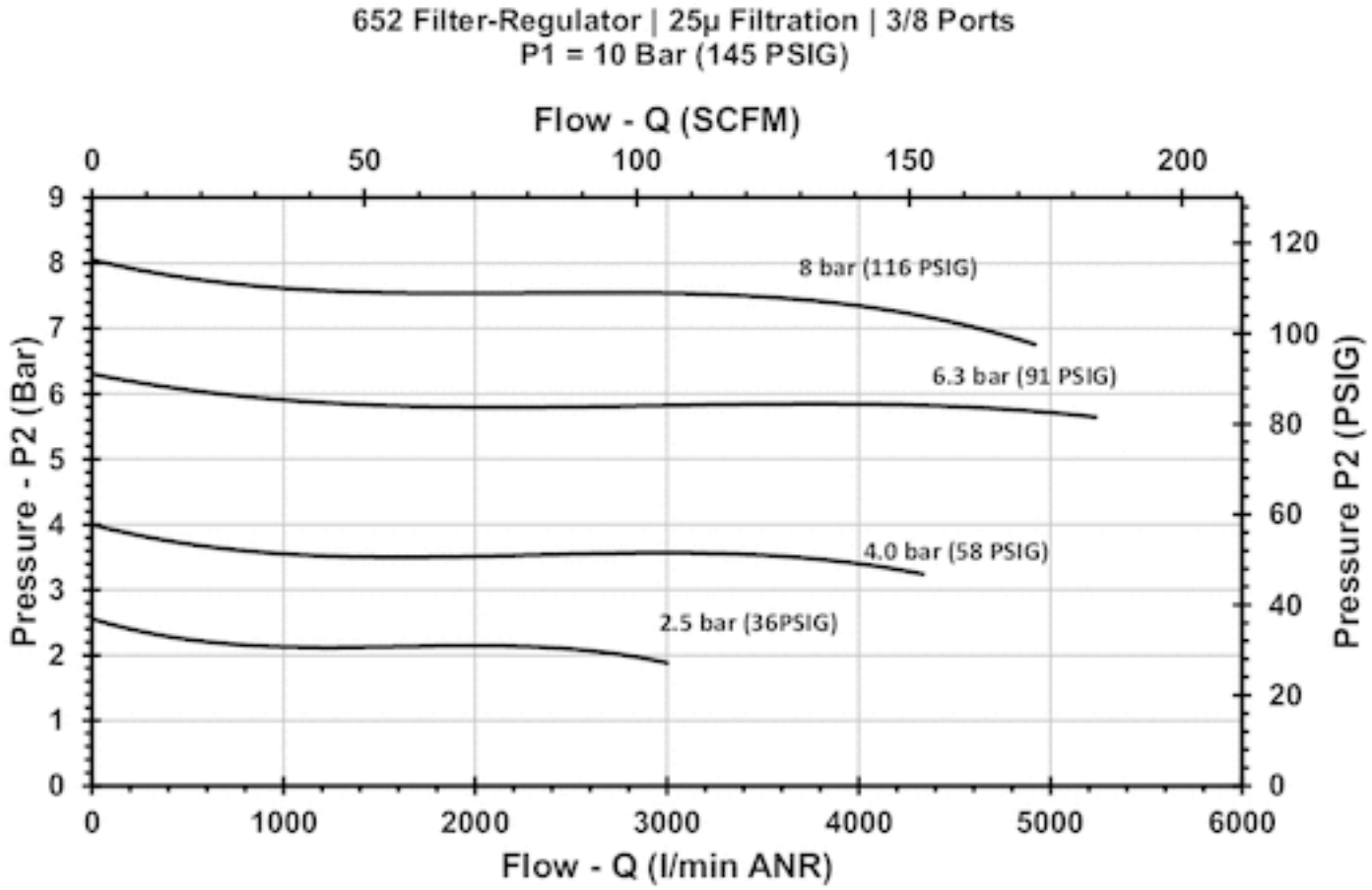
Series	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	V	W	X	Y
652	248	94,5	66	33	69	30,5	4	160	25	41,75	42	50	20	10	61,5	84	105,5	29	14,5	6,3	7	11

Diagrams

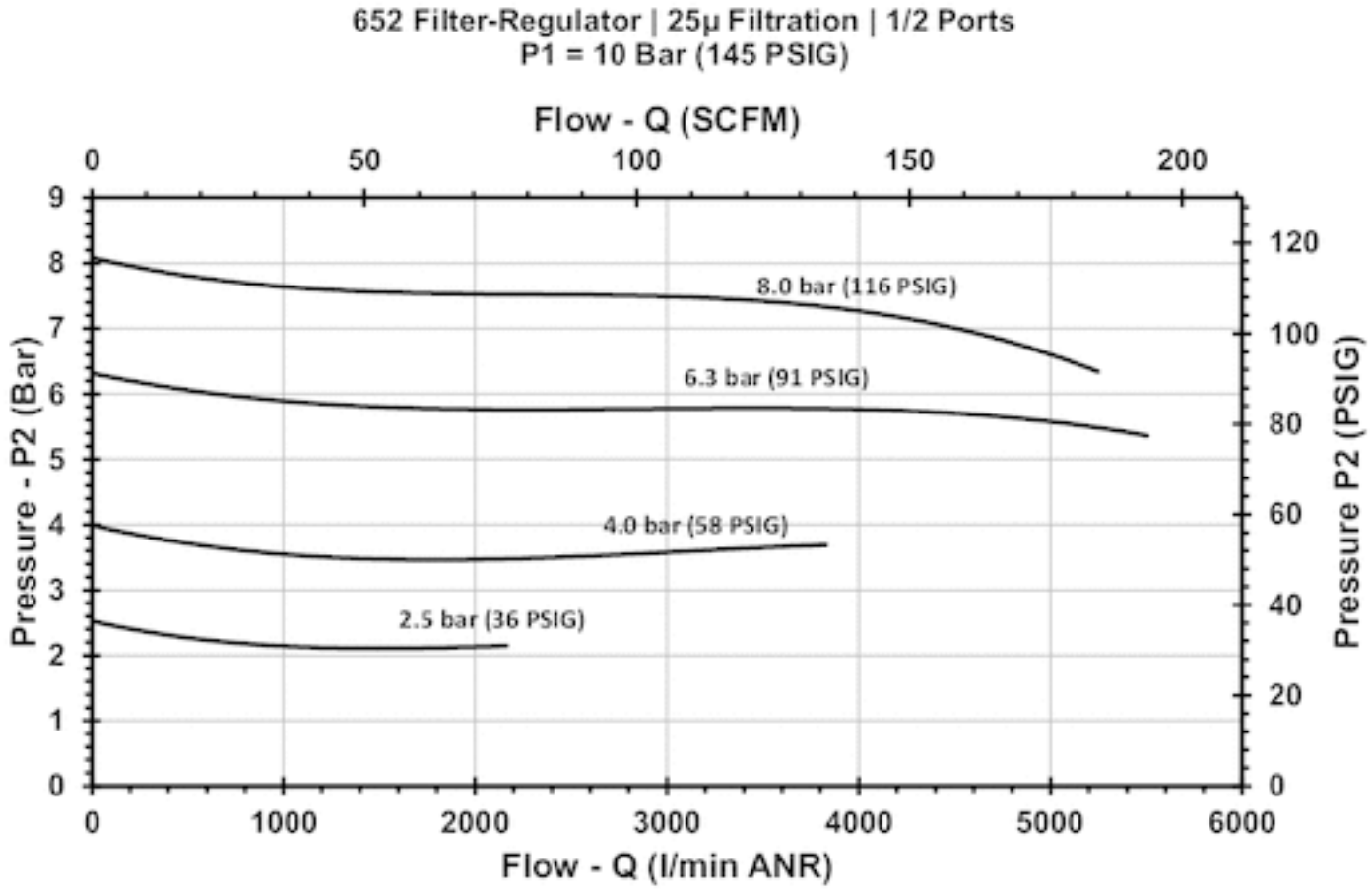
Flow diagram, G 1/4



Flow diagram, G 3/8

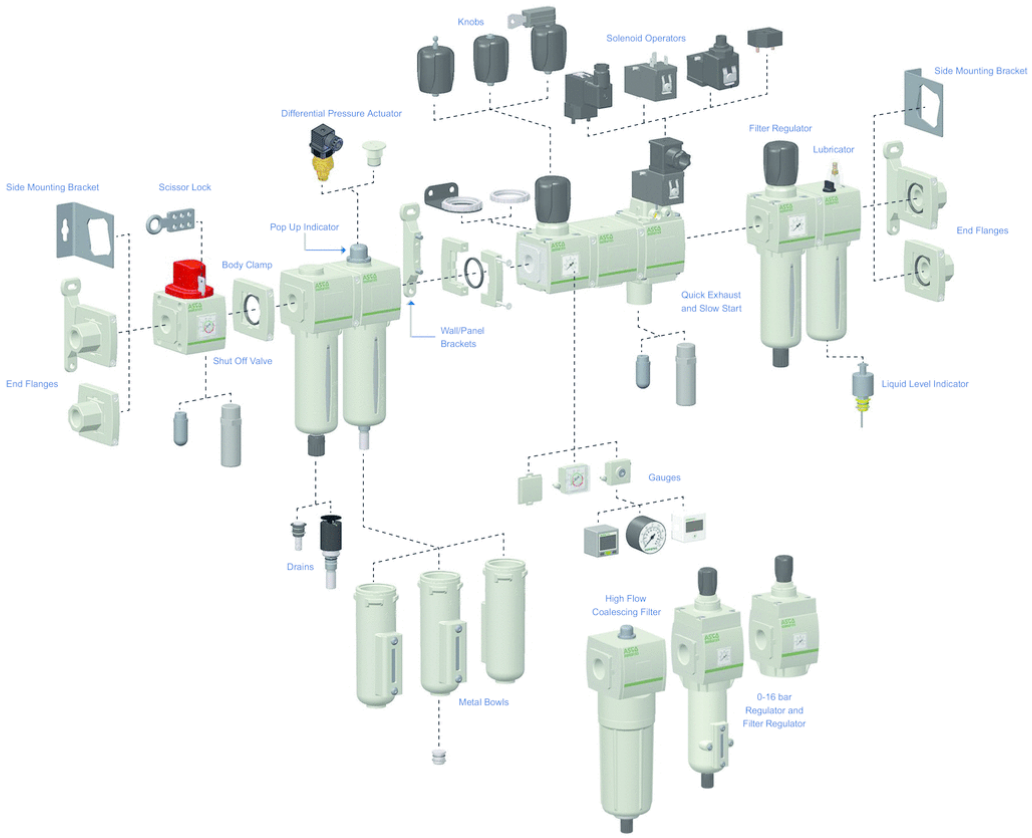


Flow diagram, G 1/2



Accessories overview

Accessories overview



Ordering information

G 651 A P B P 2 G A00 H N

Thread connection
G = ISO 228/1-G [1]
8 = NPTF

Product series
651
652
653

Revision letter
A

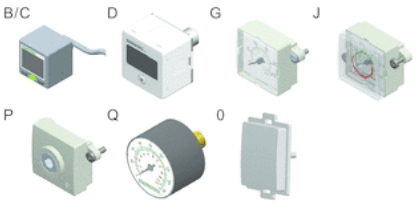
Product type
P = Filter/Regulator - Particulate

Elements
B = 5 µm (White)
J = 25 µm (Yellow)

Bowl type
K = Metal bowl without sight gauge
L = Metal bowl with sight gauge (glass)
P = Polycarbonate bowl with bowl guard

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

Gauge type
B = Digital pressure switch - PNP
C = Digital pressure switch - NPN
D = Digital gauge
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8



Drain type
0 = Without
A = Auto drain normally open
N = Manual/Semi-automatic drain
Q = Manual drain - Stainless steel

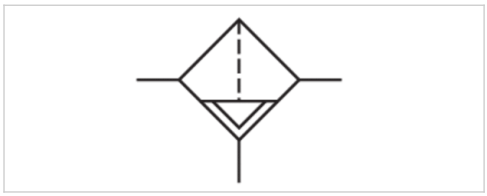
Pressure range
D = 0,2..3 bar
H = 0,5..10 bar
N = 0,5..16 bar (653 only) [2]

Options [3]
A00 = Without option
101 = Side Mounting Brackets
102 = Panel Nut (651 or 652)
103 = Tamper resistant
104 = Key lockable
105 = High temperature (+80°C)
106 = Low temperature (-40°C) [4]
109 = FPM seals
113 = Stainless steel fasteners
114 = Provision for key lock
117 = ATEX zones 1-21
119 = Panel Bracket with Panel Nut (651 or 652)
121 = Non-relieving
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
202 = 105 + 109
2A9 = 105 + 106

[1] Conforms to ISO standards 1179-1.
[2] Metal Bowl Types K or L only.
[3] If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).
[4] Compressed air must be dry enough so no ice formation is present on the product. All bowls should be emptied prior to ambient temperatures dropping below 0°C.

Filter, Series 652

- G 1/4 G 3/8 G 1/2
- filter porosity 5 25 µm



Type	Can be assembled into blocks
Parts	Filter
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-20 ... 50 °C
Medium temperature min./max.	-20 ... 50 °C Extended temperature range min./max. (optional) -40 °C ... 80 °C
Medium	Compressed air Neutral gases
Condensate drain	See table below
Weight	See table below
	The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	filter porosity	Flow Qn	Condensate drain
G652ABBK2JA000A	G 1/4	5 µm	2250 l/min	fully automatic, open without pressure
G652ABBK2JA000N	G 1/4	5 µm	2024 l/min	semi-automatic, open without pressure
G652ABJK2JA000A	G 1/4	25 µm	2250 l/min	fully automatic, open without pressure
G652ABBK3JA000A	G 3/8	5 µm	2185 l/min	fully automatic, open without pressure
G652ABBL2JA000A	G 1/4	5 µm	2250 l/min	fully automatic, open without pressure
G652ABJK3JA000A	G 3/8	25 µm	3390 l/min	fully automatic, open without pressure
G652ABBK3JA000N	G 3/8	5 µm	2185 l/min	semi-automatic, open without pressure
G652ABBK4JA000A	G 1/2	5 µm	2290 l/min	fully automatic, open without pressure
G652ABBK4JA000N	G 1/2	5 µm	2290 l/min	semi-automatic, open without pressure
G652ABBL2JA000N	G 1/4	5 µm	2024 l/min	semi-automatic, open without pressure
G652ABBL3JA000A	G 3/8	5 µm	2190 l/min	fully automatic, open without pressure
G652ABBL3JA000N	G 3/8	5 µm	2185 l/min	semi-automatic, open without pressure
G652ABBL4JA000A	G 1/2	5 µm	2290 l/min	fully automatic, open without pressure
G652ABBL4JA000N	G 1/2	5 µm	2290 l/min	semi-automatic, open without pressure
G652ABBP2JA000A	G 1/4	5 µm	2024 l/min	fully automatic, open without pressure
G652ABBP2JA000N	G 1/4	5 µm	2024 l/min	semi-automatic, open without pressure
G652ABBP3JA000A	G 3/8	5 µm	2185 l/min	fully automatic, open without pressure
G652ABBP3JA000N	G 3/8	5 µm	2185 l/min	semi-automatic, open without pressure
G652ABBP4JA000A	G 1/2	5 µm	2290 l/min	fully automatic, open without pressure
G652ABBP4JA000N	G 1/2	5 µm	2290 l/min	semi-automatic, open without pressure
G652ABJK2JA000N	G 1/4	25 µm	2550 l/min	semi-automatic, open without pressure
G652ABJK3JA000N	G 3/8	25 µm	3390 l/min	semi-automatic, open without pressure
G652ABJK4JA000A	G 1/2	25 µm	3620 l/min	fully automatic, open without pressure

Part No.	Port	filter porosity	Flow Qn	Condensate drain
G652ABJK4JA000N	G 1/2	25 µm	3700 l/min	semi-automatic, open without pressure
G652ABJL2JA000A	G 1/4	25 µm	2550 l/min	fully automatic, open without pressure
G652ABJL2JA000N	G 1/4	25 µm	2550 l/min	semi-automatic, open without pressure
G652ABJL3JA000A	G 3/8	25 µm	3390 l/min	fully automatic, open without pressure
G652ABJL3JA000N	G 3/8	25 µm	3390 l/min	semi-automatic, open without pressure
G652ABJL4JA000A	G 1/2	25 µm	3700 l/min	fully automatic, open without pressure
G652ABJL4JA000N	G 1/2	25 µm	3620 l/min	semi-automatic, open without pressure
G652ABJP2JA000A	G 1/4	25 µm	2250 l/min	fully automatic, open without pressure
G652ABJP2JA000N	G 1/4	25 µm	2250 l/min	semi-automatic, open without pressure
G652ABJP3JA000A	G 3/8	25 µm	3390 l/min	fully automatic, open without pressure
G652ABJP3JA000N	G 3/8	25 µm	3390 l/min	semi-automatic, open without pressure
G652ABJP4JA000A	G 1/2	25 µm	3620 l/min	fully automatic, open without pressure
G652ABJP4JA000N	G 1/2	25 µm	3620 l/min	semi-automatic, open without pressure

Part No.	Material Condensate drain	Version
G652ABBK2JA000A	Brass	Metal reservoir without window
G652ABBK2JA000N	Plastic	Metal reservoir without window
G652ABJK2JA000A	Brass	Metal reservoir without window
G652ABBK3JA000A	Brass	Metal reservoir without window
G652ABBL2JA000A	Brass	reservoir, metal, with inspection glass
G652ABJK3JA000A	Brass	Metal reservoir without window
G652ABBK3JA000N	Plastic	Metal reservoir without window
G652ABBK4JA000A	Brass	Metal reservoir without window
G652ABBK4JA000N	Plastic	Metal reservoir without window
G652ABBL2JA000N	Plastic	reservoir, metal, with inspection glass
G652ABBL3JA000A	Brass	reservoir, metal, with inspection glass
G652ABBL3JA000N	Plastic	reservoir, metal, with inspection glass
G652ABBL4JA000A	Brass	reservoir, metal, with inspection glass
G652ABBL4JA000N	Plastic	reservoir, metal, with inspection glass
G652ABBP2JA000A	Brass	reservoir, polycarbonate, with PA protective guard
G652ABBP2JA000N	Plastic	reservoir, polycarbonate, with PA protective guard
G652ABBP3JA000A	Brass	reservoir, polycarbonate, with PA protective guard
G652ABBP3JA000N	Plastic	reservoir, polycarbonate, with PA protective guard
G652ABBP4JA000A	Brass	reservoir, polycarbonate, with PA protective guard
G652ABBP4JA000N	Plastic	reservoir, polycarbonate, with PA protective guard
G652ABJK2JA000N	Plastic	Metal reservoir without window
G652ABJK3JA000N	Plastic	Metal reservoir without window
G652ABJK4JA000A	Brass	Metal reservoir without window
G652ABJK4JA000N	Plastic	Metal reservoir without window
G652ABJL2JA000A	Brass	reservoir, metal, with inspection glass
G652ABJL2JA000N	Plastic	reservoir, metal, with inspection glass
G652ABJL3JA000A	Brass	reservoir, metal, with inspection glass
G652ABJL3JA000N	Plastic	reservoir, metal, with inspection glass
G652ABJL4JA000A	Brass	reservoir, metal, with inspection glass
G652ABJL4JA000N	Plastic	reservoir, metal, with inspection glass
G652ABJP2JA000A	Brass	reservoir, polycarbonate, with PA protective guard
G652ABJP2JA000N	Plastic	reservoir, polycarbonate, with PA protective guard

Part No.	Material Condensate drain	Version
G652ABJP3JA000A	Brass	reservoir, polycarbonate, with PA protective guard
G652ABJP3JA000N	Plastic	reservoir, polycarbonate, with PA protective guard
G652ABJP4JA000A	Brass	reservoir, polycarbonate, with PA protective guard
G652ABJP4JA000N	Plastic	reservoir, polycarbonate, with PA protective guard

Part No.	Weight
G652ABBK2JA000A	0,55 kg
G652ABBK2JA000N	0,55 kg
G652ABJK2JA000A	0,55 kg
G652ABBK3JA000A	0,55 kg
G652ABBL2JA000A	0,55 kg
G652ABJK3JA000A	0,55 kg
G652ABBK3JA000N	0,55 kg
G652ABBK4JA000A	0,55 kg
G652ABBK4JA000N	0,55 kg
G652ABBL2JA000N	0,55 kg
G652ABBL3JA000A	0,57 kg
G652ABBL3JA000N	0,55 kg
G652ABBL4JA000A	0,55 kg
G652ABBL4JA000N	0,55 kg
G652ABBP2JA000A	0,43 kg
G652ABBP2JA000N	0,43 kg
G652ABBP3JA000A	0,43 kg
G652ABBP3JA000N	0,43 kg
G652ABBP4JA000A	0,43 kg
G652ABBP4JA000N	0,43 kg
G652ABJK2JA000N	0,55 kg
G652ABJK3JA000N	0,55 kg
G652ABJK4JA000A	0,55 kg
G652ABJK4JA000N	0,55 kg
G652ABJL2JA000A	0,55 kg
G652ABJL2JA000N	0,55 kg
G652ABJL3JA000A	0,55 kg
G652ABJL3JA000N	0,55 kg
G652ABJL4JA000A	0,55 kg
G652ABJL4JA000N	0,55 kg
G652ABJP2JA000A	0,43 kg
G652ABJP2JA000N	0,43 kg
G652ABJP3JA000A	0,43 kg
G652ABJP3JA000N	0,43 kg
G652ABJP4JA000A	0,43 kg
G652ABJP4JA000N	0,43 kg

Nominal flow Qn at p1= 10 bar , p2= 6.3 bar and Δp = 1 bar

Technical information

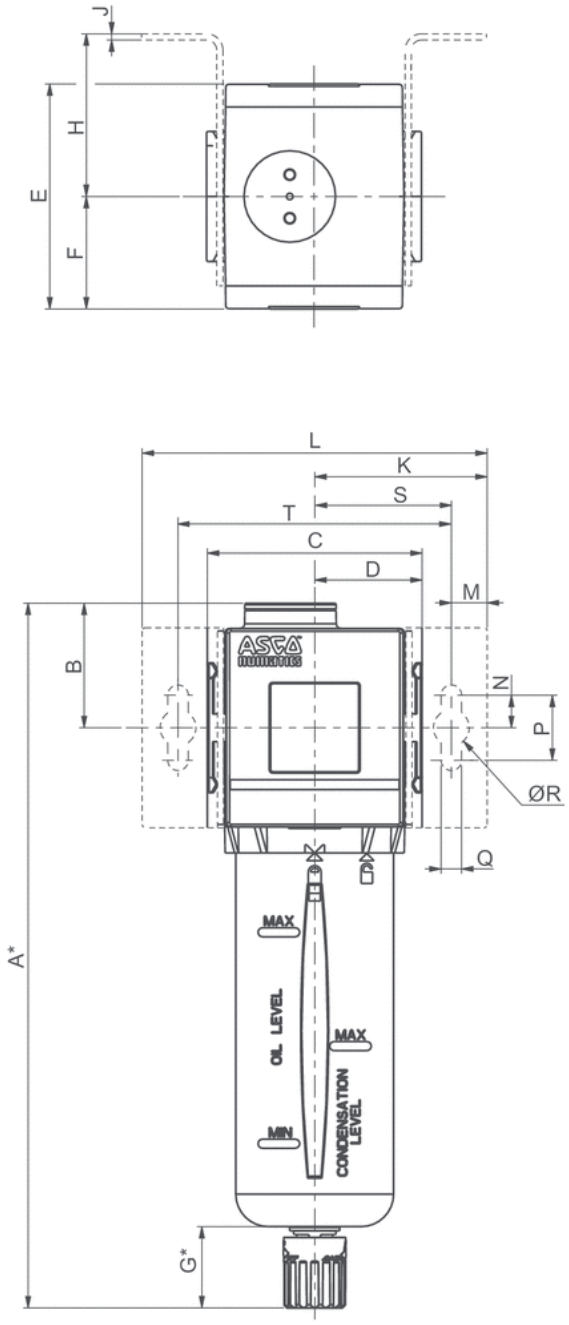
Max. achievable compressed air class acc. to ISO 8573-1:2010 5 : 8 : 4 (5 µm filter porosity) und 6 : 8 : 4 (25µm filter porosity)
Other filter porosities on request.

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber
Filter insert	Sintered polyethylene
Condensate drain	Brass Plastic

Dimensions

Dimensions



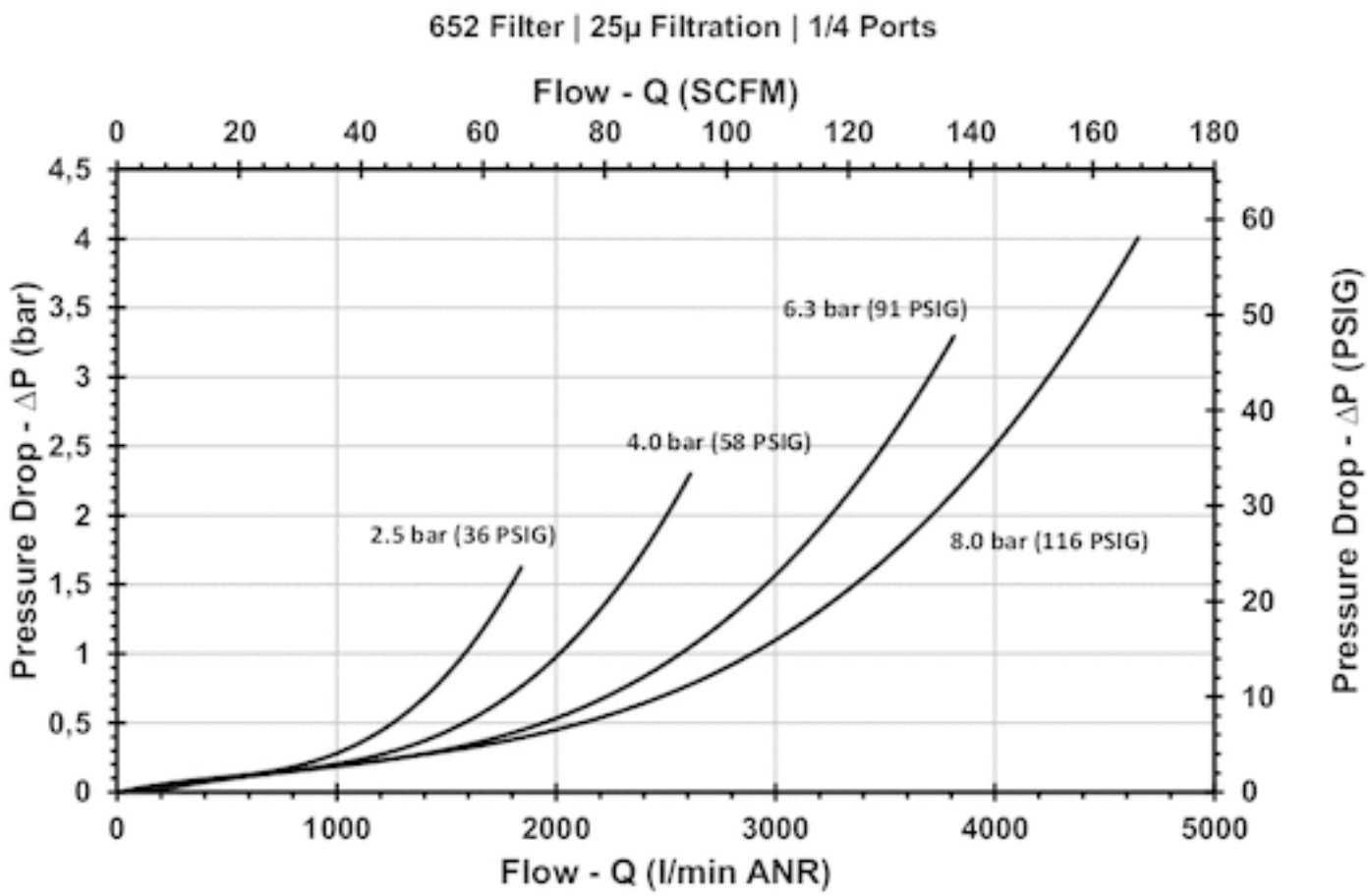
*Variable dimension based on the type of drain specified, if an automatic drain is specified, add another 5 mm to the “G” dimension, which also adds 5 mm to the “A” dimension.

Dimensions

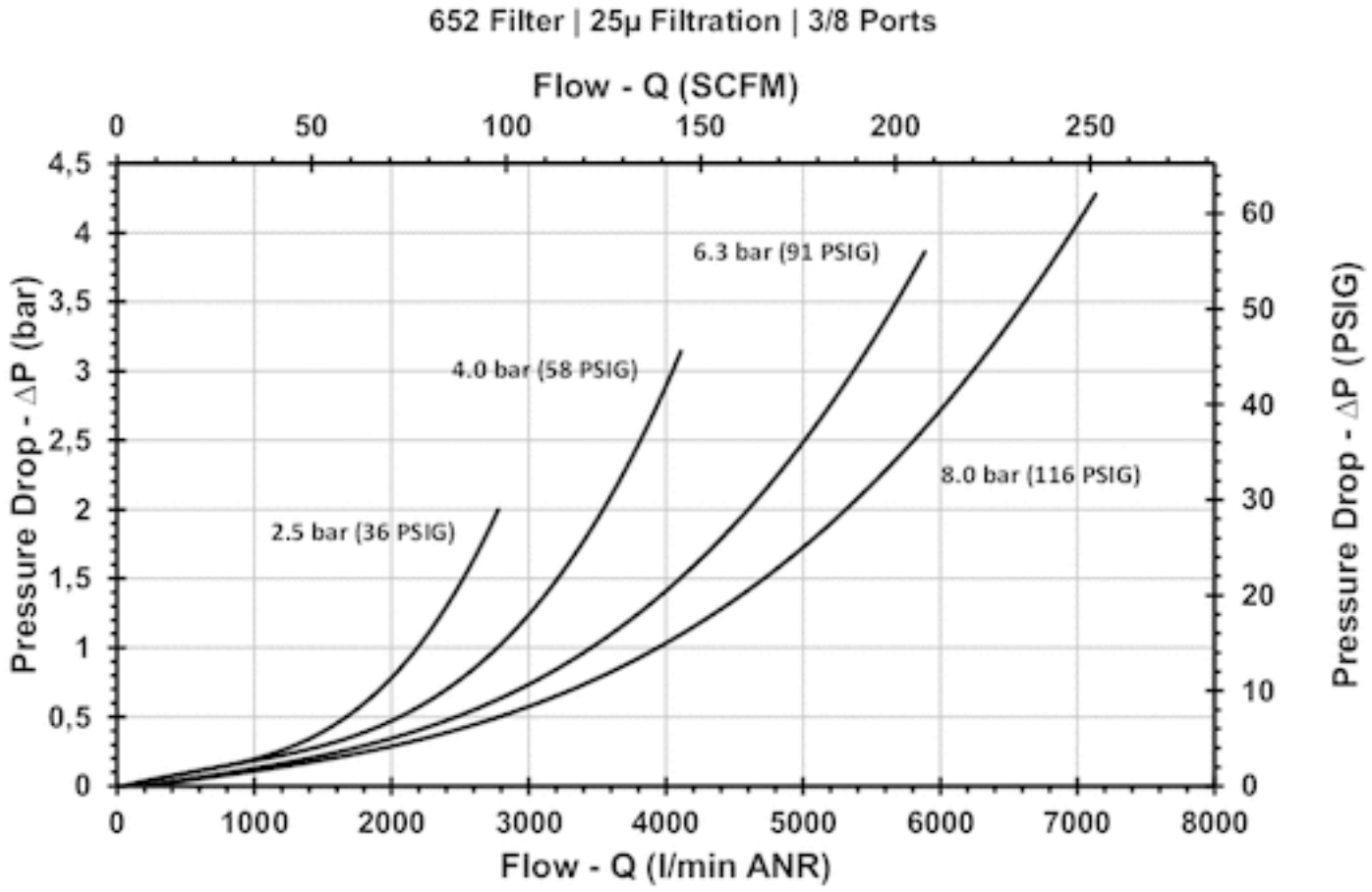
Series	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
652	217	38,3	66	33	69	34,5	25	50	1,9	53	106	11	10	20	6,3	11	42	84

Diagrams

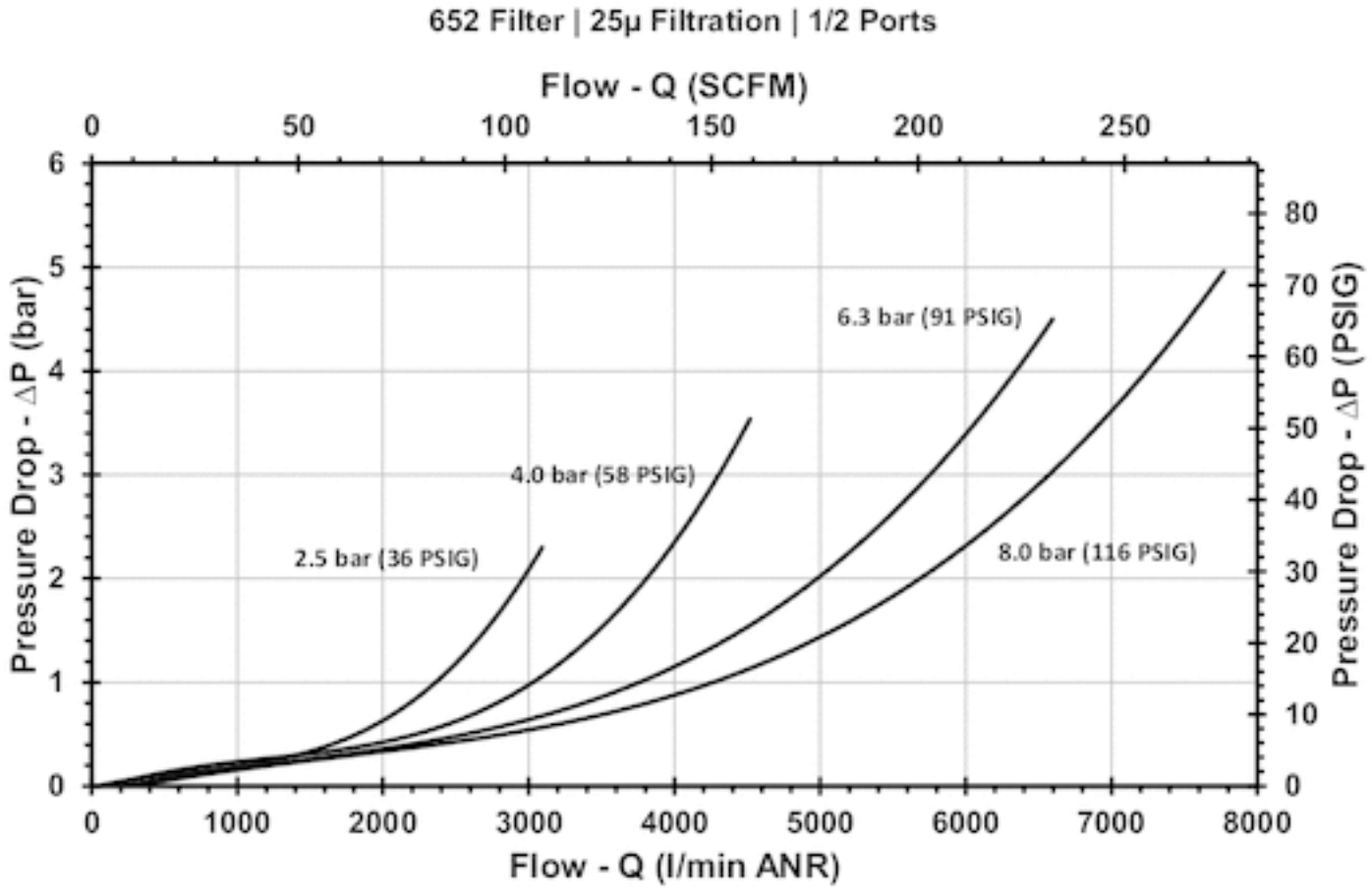
Flow diagram, G 1/4



Flow diagram, G 3/8

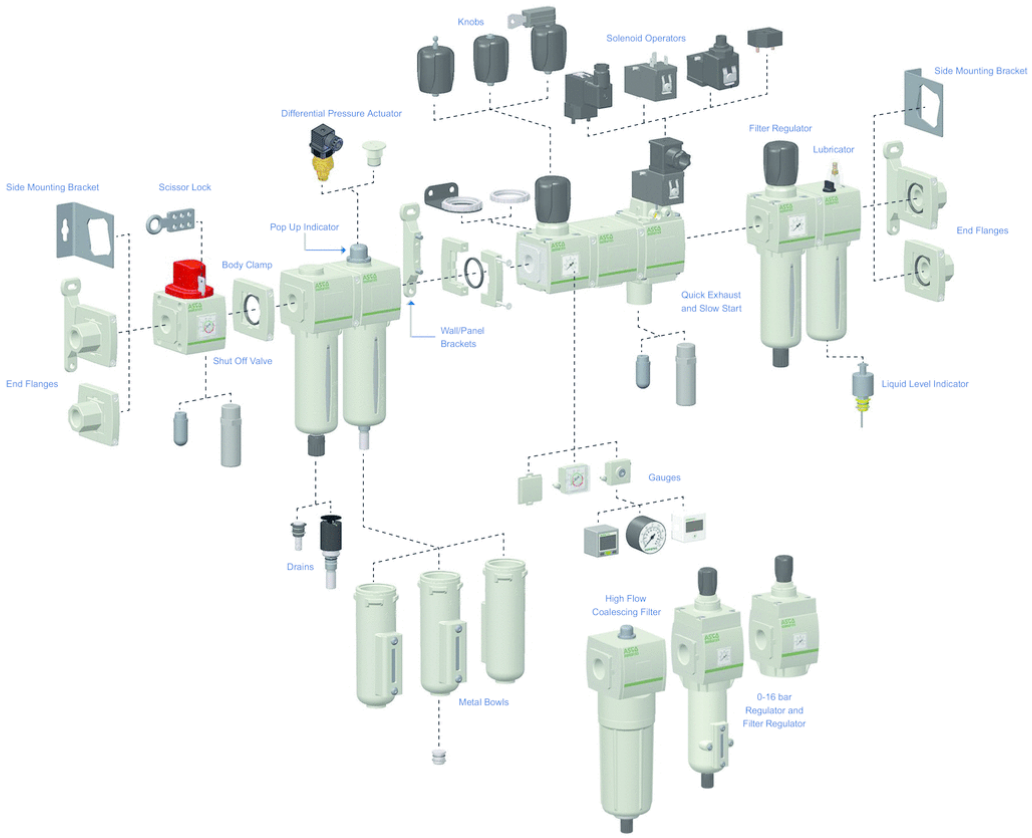


Flow diagram, G 1/2



Accessories overview

Accessories overview



Ordering information

G 651 A B B P 2 J A00 0 N

Thread connection
G = ISO 228/1-G (1)
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
B = Filter - Particulate

Elements
B = 5 µm (White)
J = 25 µm (Yellow)

B  J 

Bowl type
K = Metal bowl without sight gauge
L = Metal bowl with sight gauge (glass)
P = Polycarbonate bowl with bowl guard

K/L  P 

Drain type
0 = Without
A = Auto drain normally open
N = Manual/Semi-automatic drain
Q = Manual drain - Stainless steel

A  N  Q 

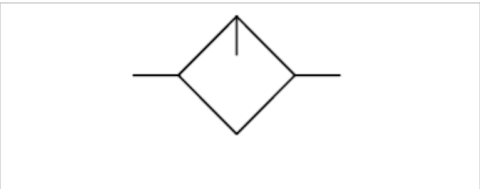
Options (2)
A00 = Without option
101 = Side Mounting Brackets
105 = High temperature (+80°C)
106 = Low temperature (-40°C) (3)
109 = FPM seals
117 = ATEX zones 1-21
124 = CUTR Certification (EAC)
125 = CUTR Ex
202 = 105 + 109
2A9 = 105 + 106

101 

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

Standard oil-mist lubricator, Series 652

- G 1/4 G 3/8 G 1/2
- Nominal flow Qn 2780 5000 6500 3500 l/min
- ATEX optional



Type	Can be assembled into blocks
Parts	Standard oil-mist lubricator
Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	5 ... 50 °C
Medium temperature min./max.	5 ... 50 °C
Medium	Compressed air Neutral gases
Lubricator reservoir volume	72 cm³
Weight	See table below

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Port	Nominal flow Qn	Material Reservoir	Reservoir
G652AL0K20A0000	G 1/4	2780 l/min	Aluminum	Metal reservoir without window
G652AL0K30A0000	G 3/8	5000 l/min	Aluminum	Metal reservoir without window
G652AL0K40A0000	G 1/2	6500 l/min	Aluminum	Metal reservoir without window
G652AL0L20A0000	G 1/4	3500 l/min	Aluminum	reservoir, metal, with inspection glass
G652AL0L30A0000	G 3/8	5000 l/min	Aluminum	reservoir, metal, with inspection glass
G652AL0L40A0000	G 1/2	6500 l/min	Aluminum	reservoir, metal, with inspection glass
G652AL0P20A0000	G 1/4	3500 l/min	Polycarbonate	Reservoir polycarbonate
G652AL0P30A0000	G 3/8	5000 l/min	Polycarbonate	Reservoir polycarbonate
G652AL0P40A0000	G 1/2	6500 l/min	Polycarbonate	Reservoir polycarbonate

Part No.	Weight
G652AL0K20A0000	0,67 kg
G652AL0K30A0000	0,67 kg
G652AL0K40A0000	0,67 kg
G652AL0L20A0000	0,67 kg
G652AL0L30A0000	0,67 kg
G652AL0L40A0000	0,67 kg
G652AL0P20A0000	0,53 kg
G652AL0P30A0000	0,53 kg
G652AL0P40A0000	0,53 kg

Nominal flow Qn at 6.3 bar and Δp = 0.8 bar

Technical information

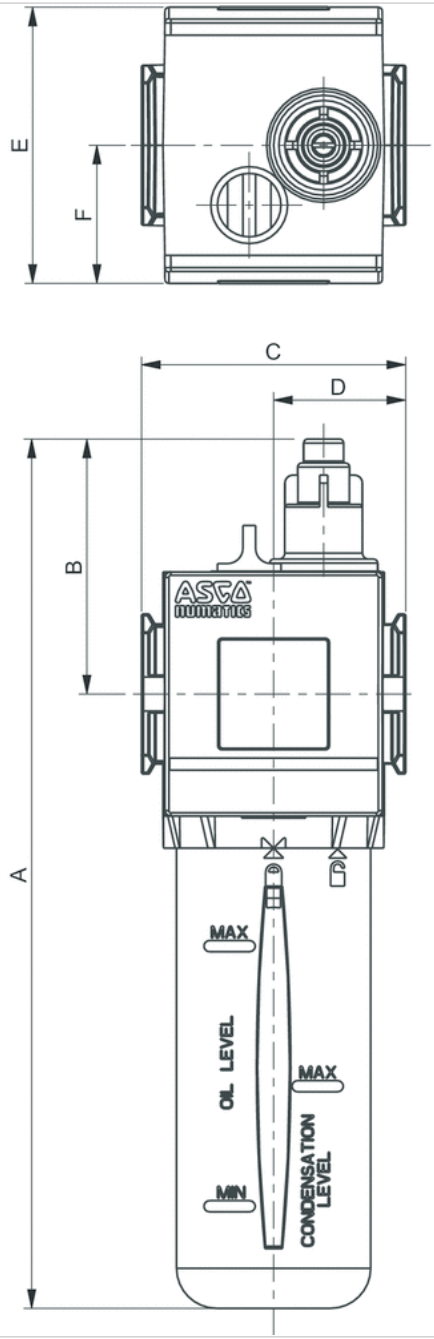
Recommended oil type
Non-detergent type and without aggressive additives (VG32-ISO3448)

Technical information

Material	
Housing	Aluminum
Front plate	Polycarbonate
Seals	Nitrile butadiene rubber
Reservoir	Aluminum Polycarbonate

Dimensions

Dimensions



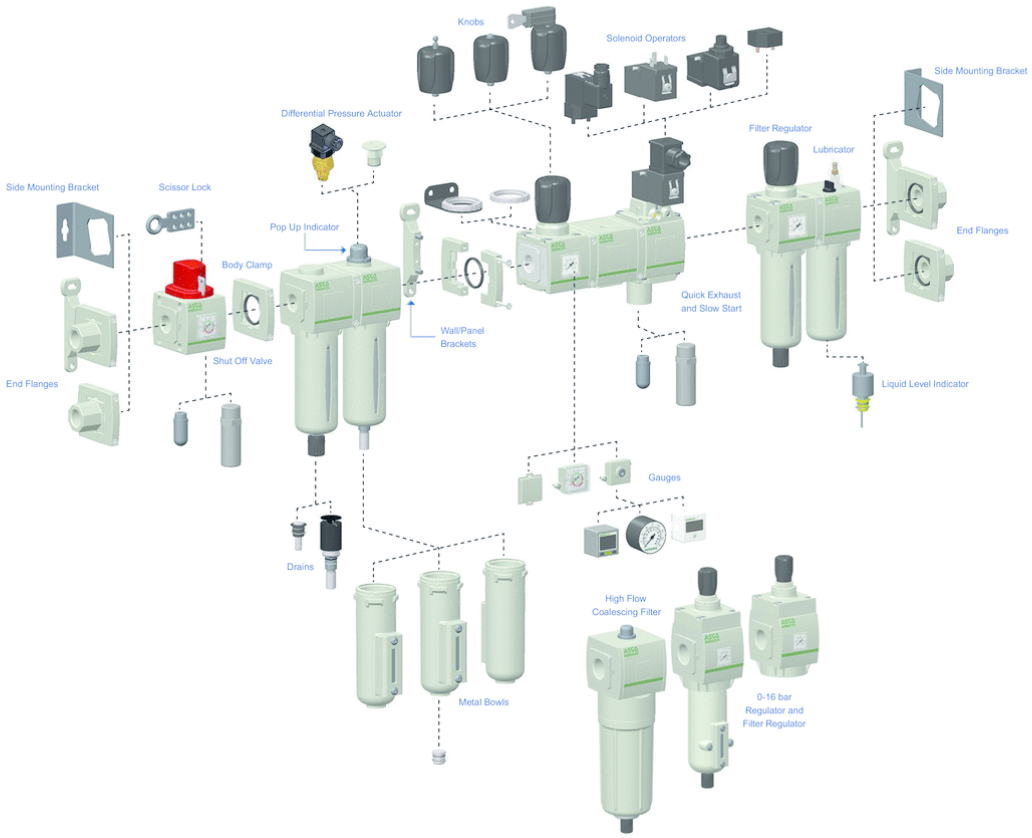
To remove the reservoir, allow a clearance of 25 mm from the bottom of the reservoir drain.

Dimensions

Series	A	B	C	D	E	F	G
652	217	64	66	33	69	30,5	135

Accessories overview

Accessories overview



Ordering information

G 651 A L 0 P 2 0 A00 0 0

Thread connection
G = ISO 228/1-G (1)
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
L = Lubricator

Bowl Type
K = Metal Bowl without Sight Gauge
L = Metal bowl with sight gauge (glass)
P = Polycarbonate bowl with bowl guard

K/L

P

Options (2)
A00 = Without option
101 = Side Mounting Brackets
108 = Liquid Level Indicator - Electronic
109 = FPM seals
117 = ATEX zones 1-21
124 = CUTR Certification (EAC)
125 = CUTR Ex

101

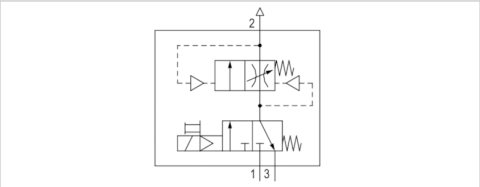
108

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

(1) Conforms to ISO standards 1179-1.
(2) If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).

Filling unit, electrically operated, Series 652

- Compressed air connection G 1/4 G 3/8 G 1/2
- Pipe connection
- ATEX optional



Type	Poppet valve
Nominal flow 1 ▸ 2	See table below
Nominal flow 2 ▸ 3	See table below
Working pressure min./max.	3,8 ... 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 50 °C
Ambient temperature min./max.	-10 ... 50 °C
Weight	0,44 kg

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Compressed air connection input	Compressed air connection output	Port
G652A6S620A00F1	G 1/4	G 1/4	G 1/4
G652A6S620A00FH	G 1/4	G 1/4	G 1/4
G652A6S630A00F1	G 3/8	G 3/8	G 3/8
G652A6S630A00FH	G 3/8	G 3/8	G 3/8
G652A6S640A00F1	G 1/2	G 1/2	G 1/2
G652A6S640A00FH	G 1/2	G 1/2	G 1/2

Part No.	Operational voltage	Flow	Flow
		Qn 1▸2	Qn 2▸3
G652A6S620A00F1	24 V DC	1500 l/min	2100 l/min
G652A6S620A00FH	230 V AC	1500 l/min	2100 l/min
G652A6S630A00F1	24 V DC	3750 l/min	4300 l/min
G652A6S630A00FH	230 V AC	3750 l/min	4300 l/min
G652A6S640A00F1	24 V DC	4650 l/min	5000 l/min
G652A6S640A00FH	230 V AC	4650 l/min	5000 l/min

Nominal flow Qn at 6.3 bar and Δp = 1 bar

Technical information

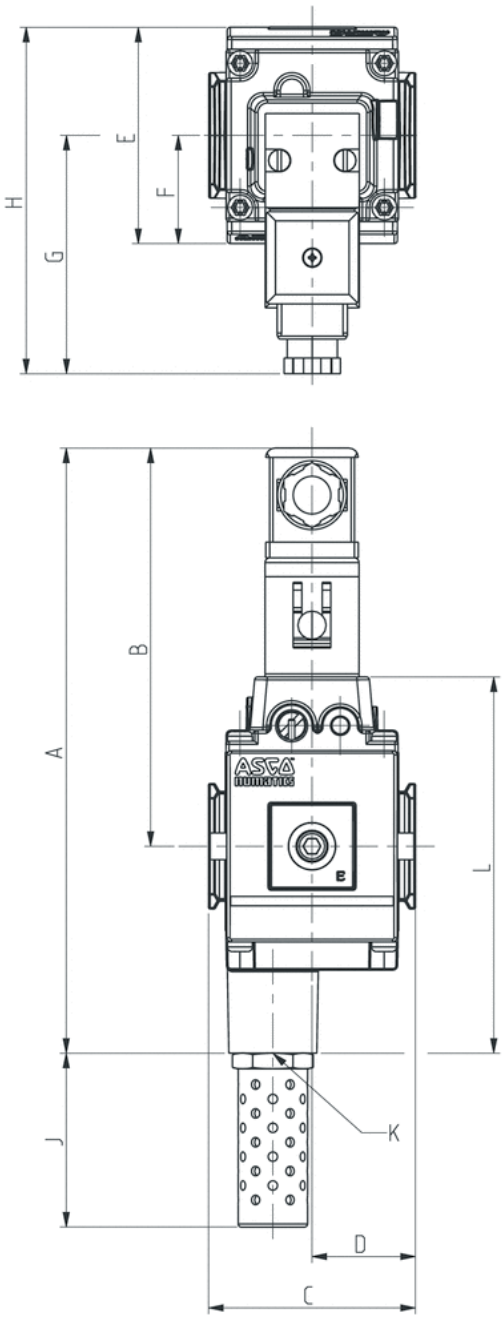
If P1 supply flow is restricted on valves with internal pilot supply, temporary leakage can occur.

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber

Dimensions

Dimensions

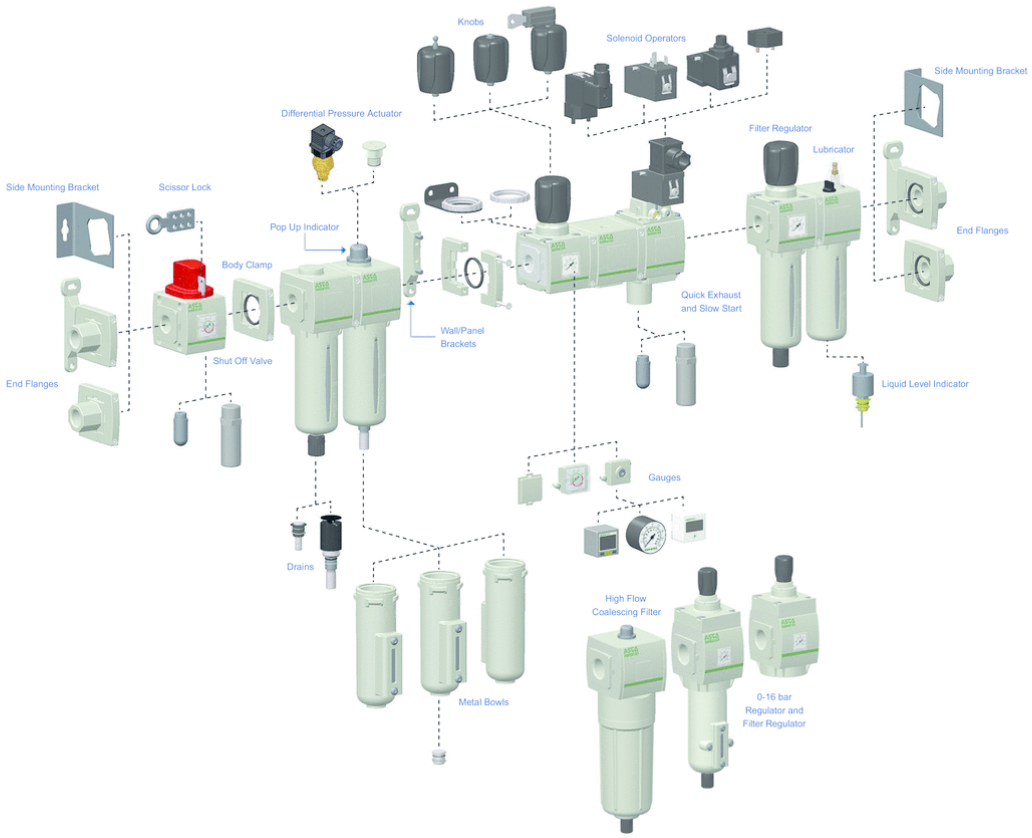


Dimensions

Series	A	B	C	D	E	F	G	H	J	K	L
652	193	127	66	33	69	34,5	76	110,5	57	G 1/2	120

Accessories overview

Accessories overview



Ordering information

G 651 A 6 S 6 2 G A00 F1

Thread connection
G = ISO 228/1-G [1]
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
4 = 2/2 - Slow start
5 = 3/2 - Quick exhaust
6 = 3/2 - Slow start/Quick exhaust

Valve type
E = External air pilot
P = Internal air pilot
(Available on 2/2 Slow Start only)
S = Solenoid air pilot

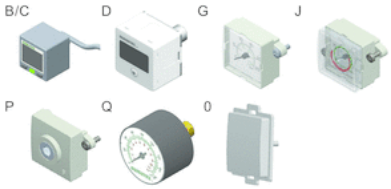
Pilot valve /Electrical connection
0 = No Electrical Connection
1 = Vertical Solenoid Pilot, without DIN Connector (must order with option 110)
2 = Vertical Solenoid Pilot, DIN Connector with LED (must order with option 110)
3 = Vertical Solenoid Pilot, DIN Connector w/o LED (must order with option 110)
4 = Vertical Solenoid Pilot, 3 Pin M12 Connection [2] (must order with option 110)
5 = Horizontal Solenoid Pilot, without DIN Connector
6 = Horizontal Solenoid Pilot, DIN Connector with LED
7 = Horizontal Solenoid Pilot, DIN Connector without LED
8 = Horizontal Solenoid Pilot with 3 Pin M12 Connection [2]
9 = Without pilot operator

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

Voltage
EW = 115 50/60 VAC
F1 = 24 VDC
FQ = 24 50/60 VAC
FH = 230 50/60 VAC (651 or 652)
F8 = 230/50 VAC (653 only)
DE = 230/60 VAC (653 only)
00 = No voltage

Options [3]
A00 = Without option
101 = Side Mounting Brackets
109 = FPM seals
110 = Without manual operator
111 = Metal Muffler
112 = Polyethylene Muffler
113 = Stainless steel fasteners
117 = ATEX zones 1/21 [4]
122 = Inverter Mounting
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
201 = 110 + 111

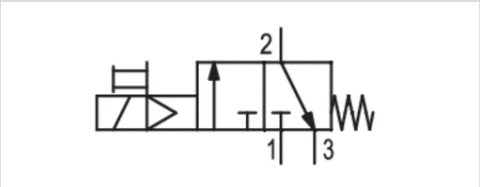
Gauge type
B = Digital pressure switch - PNP
C = Digital pressure switch - NPN
D = Digital gauge
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8



[1] Conforms to ISO standards 1179-1.
[2] Available for DC voltage only.
[3] If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).
[4] Option 117 (ATEX 1-21) is available with Valve Type "E" or "P". For Valve Type "S" (Solenoid Pilot), please select "9" under the "Pilot Valve/Electrical Connection. Contact us for further information.

3/2-directional valve, electrically operated, Series 652

- Compressed air connection G 1/4 G 1/2 G 3/8
- Pipe connection
- ATEX optional



Type	Poppet valve
Nominal flow 1 ▸ 2	See table below
Nominal flow 2 ▸ 3	See table below
Working pressure min./max.	3,8 ... 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 ... 50 °C
Ambient temperature min./max.	-10 ... 50 °C
Weight	0,44 kg

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Compressed air connection input	Compressed air connection output	Port
G652A5S620A00F1	G 1/4	G 1/4	G 1/4
G652A5S640A00F1	G 1/2	G 1/2	G 1/2
G652A5S620A00FH	G 1/4	G 1/4	G 1/4
G652A5S640A00FH	G 1/2	G 1/2	G 1/2
G652A5S630A00F1	G 3/8	G 3/8	G 3/8
G652A5S630A00FH	G 3/8	G 3/8	G 3/8

Part No.	Operational voltage	Flow Qn 1▸2	Flow Qn 2▸3
G652A5S620A00F1	24 V DC	1500 l/min	2100 l/min
G652A5S640A00F1	24 V DC	4650 l/min	5000 l/min
G652A5S620A00FH	230 V AC	1500 l/min	2100 l/min
G652A5S640A00FH	230 V AC	4650 l/min	5000 l/min
G652A5S630A00F1	24 V DC	3750 l/min	4300 l/min
G652A5S630A00FH	230 V AC	3750 l/min	4300 l/min

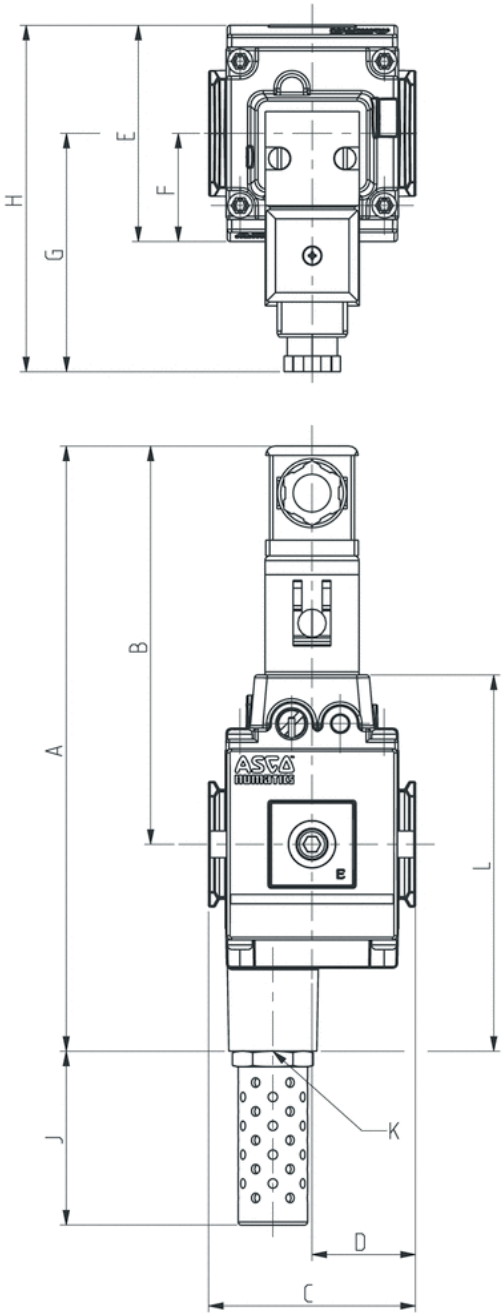
Nominal flow Qn at 6.3 bar and Δp = 1 bar

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber

Dimensions

Dimensions

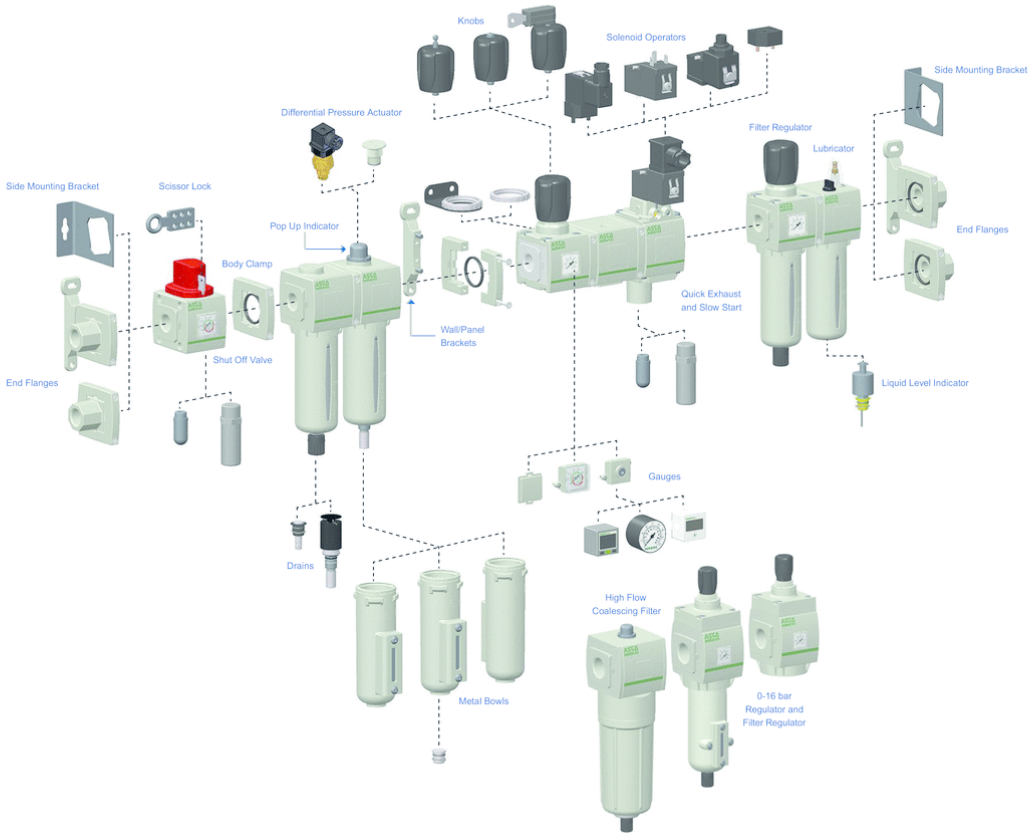


Dimensions

Series	A	B	C	D	E	F	G	H	J	K	L
652	193	127	66	33	69	34,5	76	110,5	57	G 1/2	120

Accessories overview

Accessories overview



Ordering information

G 651 A 6 S 6 2 G A00 F1

Thread connection
G = ISO 228/1-G [1]
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
4 = 2/2 - Slow start
5 = 3/2 - Quick exhaust
6 = 3/2 - Slow start/Quick exhaust

Valve type
E = External air pilot
P = Internal air pilot
(Available on 2/2 Slow Start only)
S = Solenoid air pilot

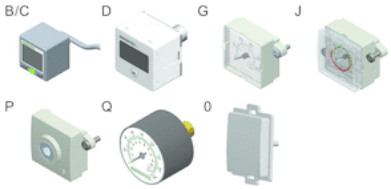
Pilot valve /Electrical connection
0 = No Electrical Connection
1 = Vertical Solenoid Pilot, without DIN Connector (must order with option 110)
2 = Vertical Solenoid Pilot, DIN Connector with LED (must order with option 110)
3 = Vertical Solenoid Pilot, DIN Connector w/o LED (must order with option 110)
4 = Vertical Solenoid Pilot, 3 Pin M12 Connection [2] (must order with option 110)
5 = Horizontal Solenoid Pilot, without DIN Connector
6 = Horizontal Solenoid Pilot, DIN Connector with LED
7 = Horizontal Solenoid Pilot, DIN Connector without LED
8 = Horizontal Solenoid Pilot with 3 Pin M12 Connection [2]
9 = Without pilot operator

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

Voltage
EW = 115 50/60 VAC
F1 = 24 VDC
FQ = 24 50/60 VAC
FH = 230 50/60 VAC (651 or 652)
F8 = 230/50 VAC (653 only)
DE = 230/60 VAC (653 only)
00 = No voltage

Options [3]
A00 = Without option
101 = Side Mounting Brackets
109 = FPM seals
110 = Without manual operator
111 = Metal Muffler
112 = Polyethylene Muffler
113 = Stainless steel fasteners
117 = ATEX zones 1/21 [4]
122 = Inverter Mounting
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
201 = 110 + 111

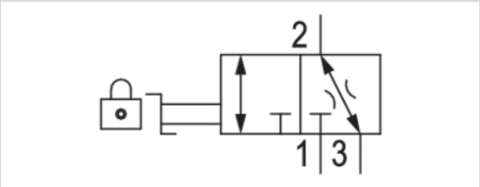
Gauge type
B = Digital pressure switch - PNP
C = Digital pressure switch - NPN
D = Digital gauge
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8



[1] Conforms to ISO standards 1179-1.
[2] Available for DC voltage only.
[3] If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).
[4] Option 117 (ATEX 1-21) is available with Valve Type "E" or "P". For Valve Type "S" (Solenoid Pilot), please select "9" under the "Pilot Valve/Electrical Connection. Contact us for further information.

3/2-shut-off valve, mechanically operated, Series 652

- Qn 1▸2 = 4300-11400 l/min
- Qn 2▸3 = 230 l/min



Activation	Mechanical
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Weight	0,44 kg

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

Part No.	Compressed air connection Input	Port	Flow Qn 1 ▸ 2	Flow Qn 2▸3	Material Silencer
G652A3M02011100	G 1/4	G 1/4	4300 l/min	230 l/min	metal
G652A3M02011200	G 1/4	G 1/4	4300 l/min	230 l/min	Plastic
G652A3M020A0000	G 1/4	G 1/4	4300 l/min	230 l/min	-
G652A3M03011100	G 3/8	G 3/8	8800 l/min	230 l/min	metal
G652A3M03011200	G 3/8	G 3/8	8800 l/min	230 l/min	Plastic
G652A3M030A0000	G 3/8	G 3/8	8800 l/min	230 l/min	-
G652A3M04011100	G 1/2	G 1/2	11400 l/min	230 l/min	metal
G652A3M04011200	G 1/2	G 1/2	11400 l/min	230 l/min	Plastic
G652A3M040A0000	G 1/2	G 1/2	11400 l/min	230 l/min	-

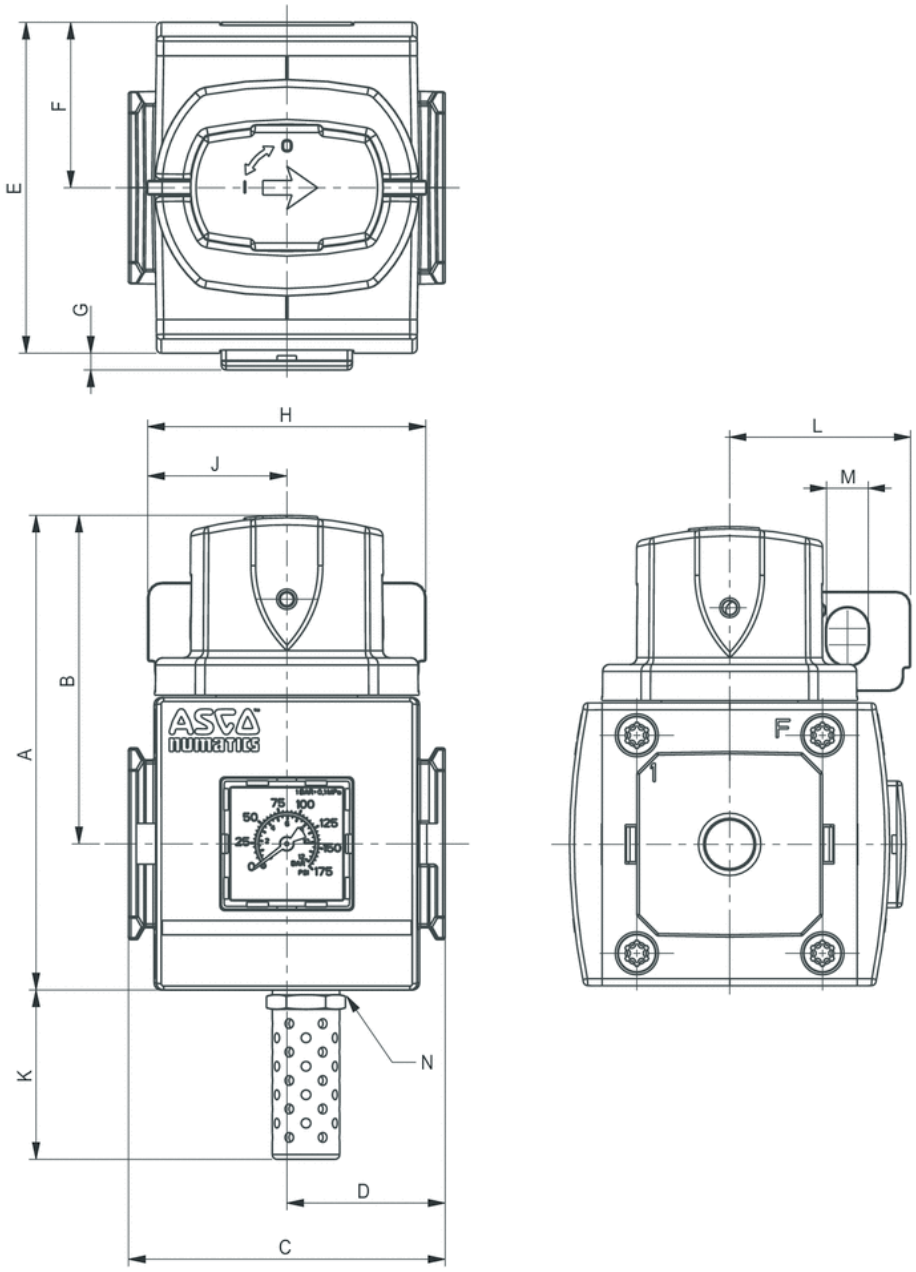
Nominal flow Qn at 6.3 bar and Δp = 1 bar

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber

Dimensions

Dimensions

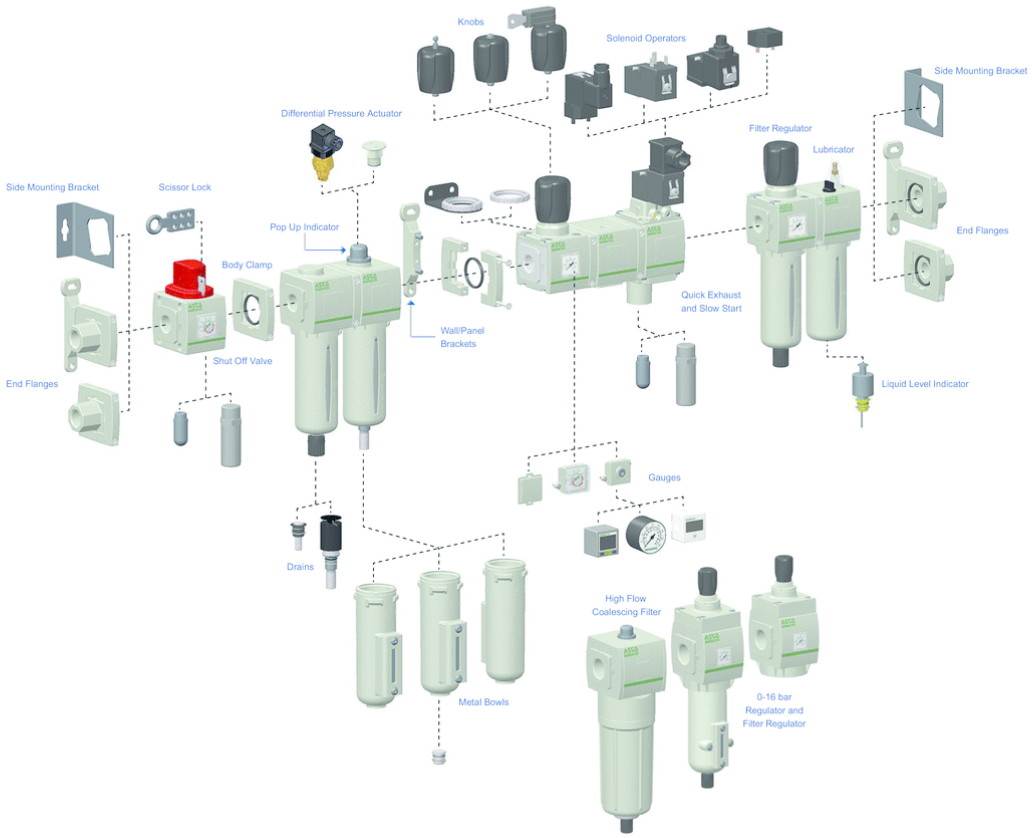


Dimensions

Series	A	B	C	D	E	F	G	H	J	K	L	M	N
652	99	68	66	33	69	34,5	2,5	58	29	35	39	9	G 1/4

Accessories overview

Accessories overview



Ordering information

G 651 A 3 M 0 2 G A00 00

Thread connection
G = ISO 228/1-G (1)
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
2 = 2/2 - Shut Off Valve
3 = 3/2 - Shut Off Valve

Valve Type
M = Manually Operated Ball Valve with Lockout

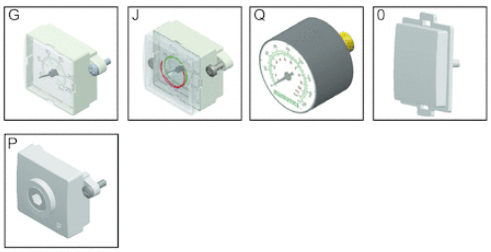
Pilot valve /Electrical connection
0 = No Electrical Connection

Port size
1 = 1/8 (651 Series)
2 = 1/4 (651 or 652 Series)
3 = 3/8 (652 Series)
4 = 1/2 (652 Series)
5 = 3/4 (653 Series)
6 = 1 (653 Series)

(1) Conforms to ISO standards 1179-1.
(2) If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).

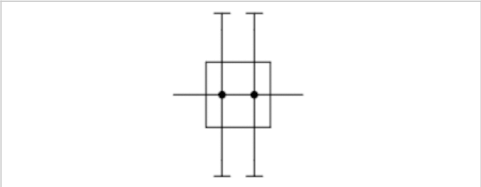
Options (2)
A00 = Without option
101 = Side Mounting Brackets
109 = FPM seals
111 = Metal Muffler
112 = Polyethylene Muffler
113 = Stainless steel fasteners
115 = Scissor Lock
117 = ATEX zones 1-21
122 = Bottom oriented pressure adjustment
123 = Gauge type mounted for right-to-left flow
124 = CUTR Certification (EAC)
125 = CUTR Ex
2B9 = 111 + 115

Gauge type
G = Low profile integrated gauge bar/PSI
J = Low profile integrated gauge bar/PSI with pressure range indicators
Q = Round gauge bar/PSI
0 = No gauge port
P = Port Plate Rc 1/8



Distributor, Series 652

- G 1/2
- ATEX optional



Parts	Distributor
Working pressure min./max.	0 ... 16 bar
Ambient temperature min./max.	-40 ... 80 °C
Medium temperature min./max.	-40 ... 80 °C
Medium	Compressed air Neutral gases
Weight	0,33 kg

The delivered product varies from that in the illustration. See the drawing for an exact description.

Technical data

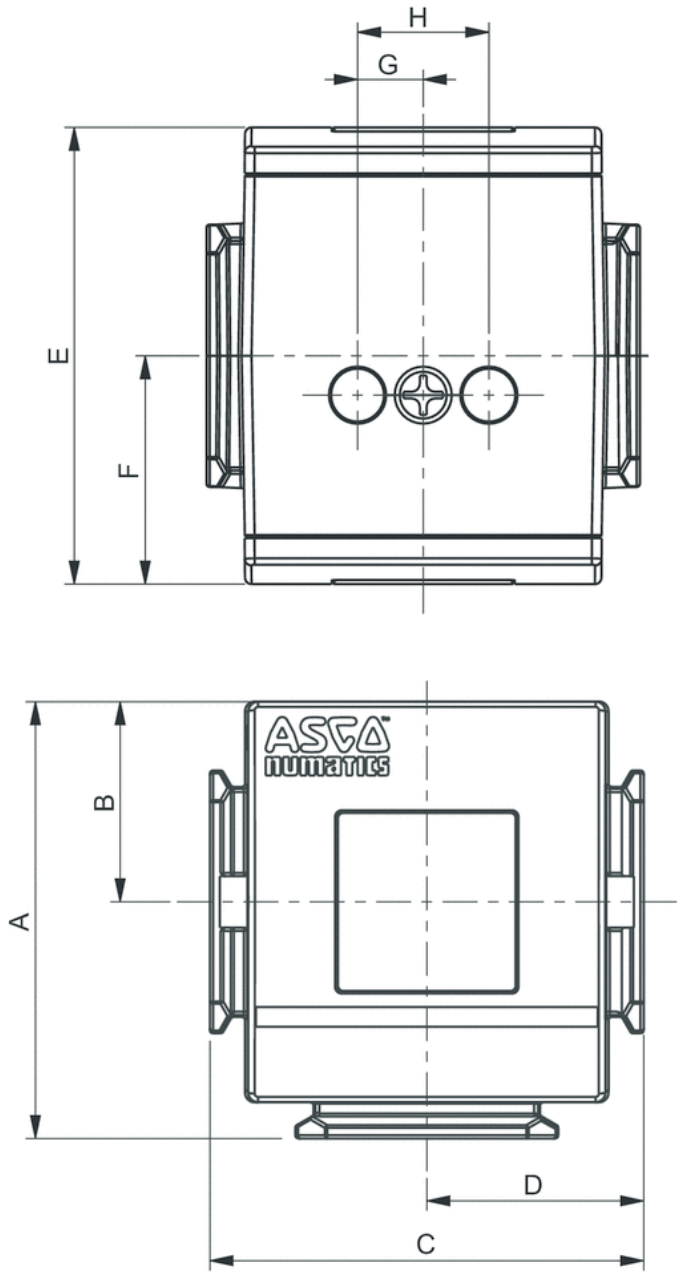
Part No.	Port
G652AD004CA0000	G 1/2

Technical information

Material	
Housing	Aluminum
Seals	Nitrile butadiene rubber

Dimensions

Dimensions

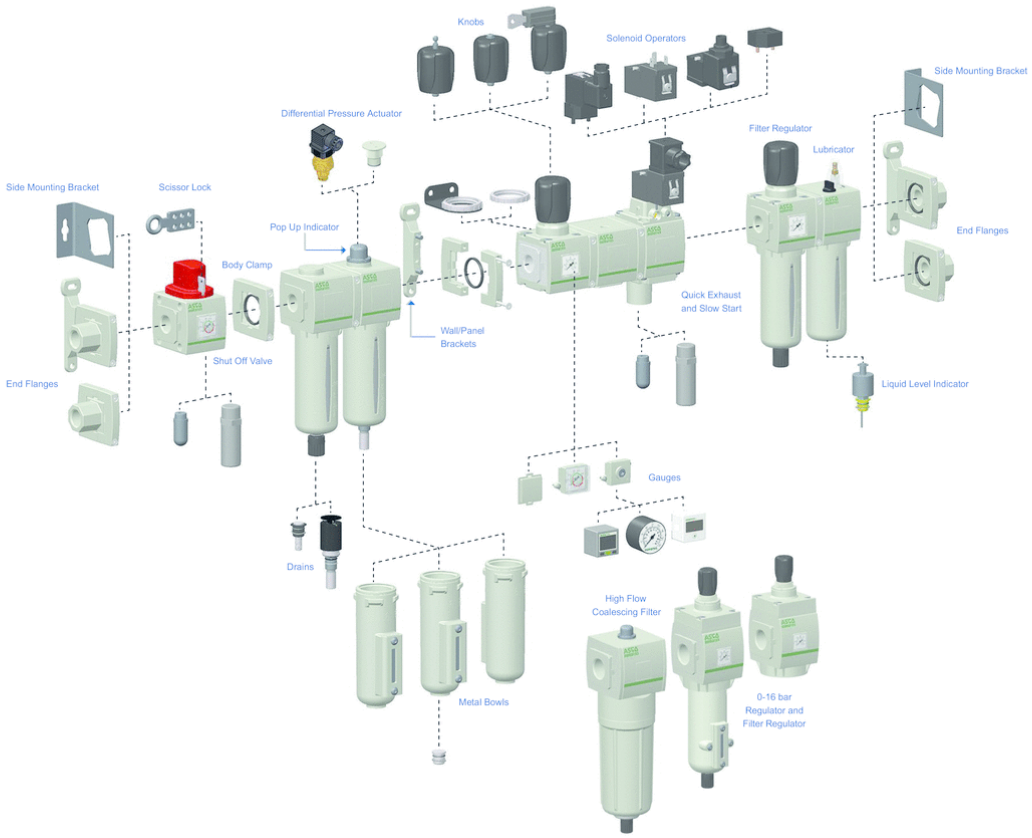


Dimensions

Series	A	B	C	D	E	F	G	H
652	66,5	30,5	66	33	70	35	10	20

Accessories overview

Accessories overview



Ordering information

G 651 A D 0 0 2 C A00 0 0

Thread connection
G = ISO 228/1-G (1)
8 = NPTF

Product series
651
652
653

Revision letter
A

Product type
D = Diverter Block

Pressure switch type
0 = No pressure switch
1 = Pad mount without Visual indicator 10 bar max.
2 = Pad mount with Visual indicator 10 bar max.

Options (2)
A00 = Without option
101 = Side Mounting Brackets
117 = ATEX zones 1-21
124 = CUTR Certification (EAC)
125 = CUTR Ex

Pressure switch interface
C = Provisioned for 349 pressure switch pad mount

Port size
2 = 1/4 (651 Series)
4 = 1/2 (652 Series)
6 = 1 (653 Series)

(1) Conforms to ISO standards 1179-1.
(2) If multiple options are required, please use the on-line CAD configurator on the website to generate the part number (www.asco.com).

Series AF2 flow sensor, 652 filter version, Ethernet

G652AVBP4JA001N

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Precision: Standard measurement range: ±4% of measured value, + 0.5% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Integrated web server, 48 VDC connection via Power over Ethernet

Switching principle
Flow measuring principle: calorimetric

Protocol
TCP/IP
OPC UA
MQTT

Nominal flow Qn min., standard
8 l/min

Nominal flow Qn max., standard
1630 l/min

Nominal flow Qn min., extended
1630 l/min

Nominal flow Qn max., extended
2445 l/min

Compressed air connection
G 1/2

Certificates
CE declaration of conformity
RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
50 °C

Min. medium temperature
-20 °C

Max. medium temperature
50 °C

Medium
Compressed air
Argon
Nitrogen
Helium
Carbon dioxide

filter porosity
5 µm

Display
OLED

Flow display unit
l/sec
l/min
m³/min

m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
8-pin

Power consumption max.
5 W

Operating voltage DC, min.
36 V DC

Operating voltage DC, max.
57 V DC

Response time
< 0.3 s

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.73 kg

Material

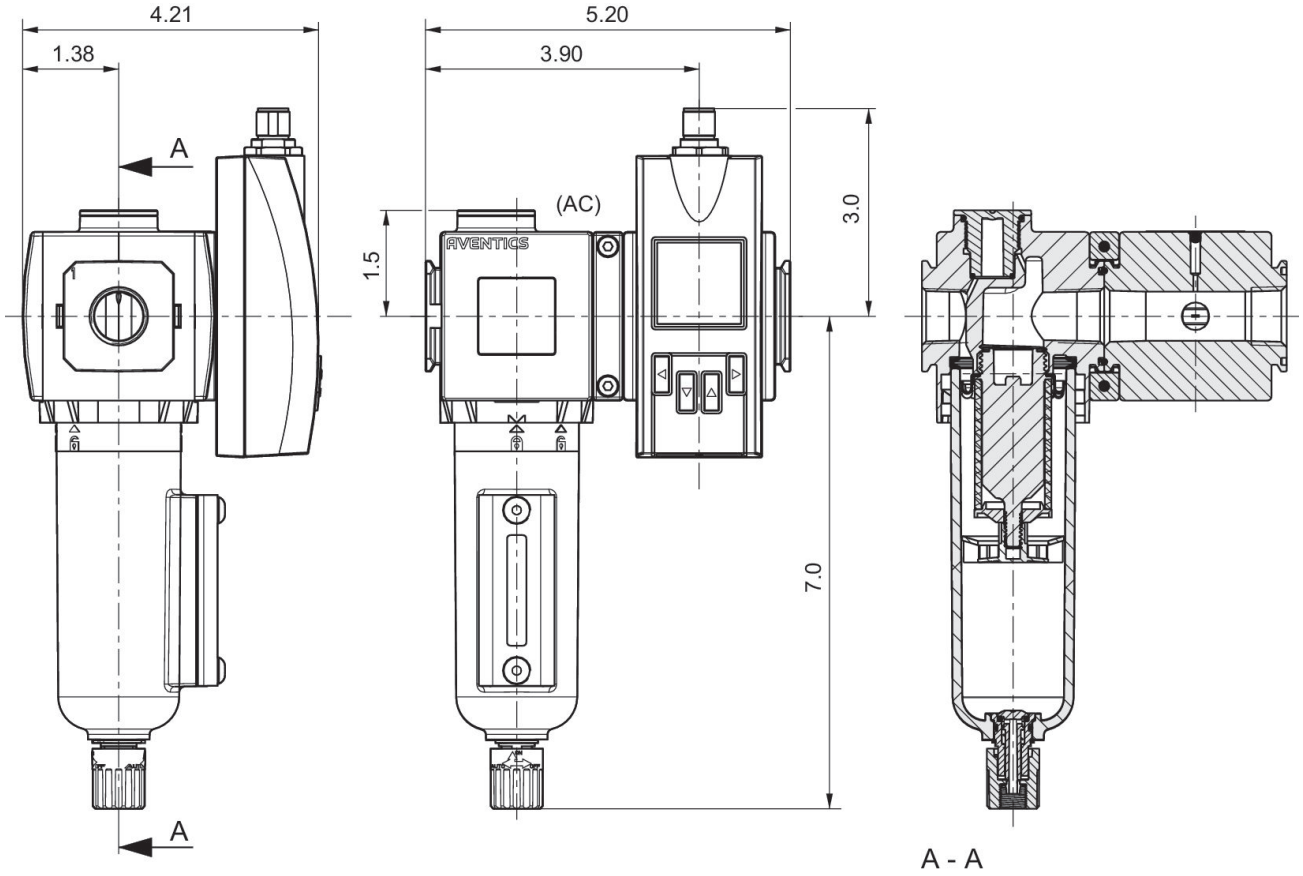
Housing material
Polyamide
Polycarbonate
Aluminum

Seal material filter
Nitrile butadiene rubber

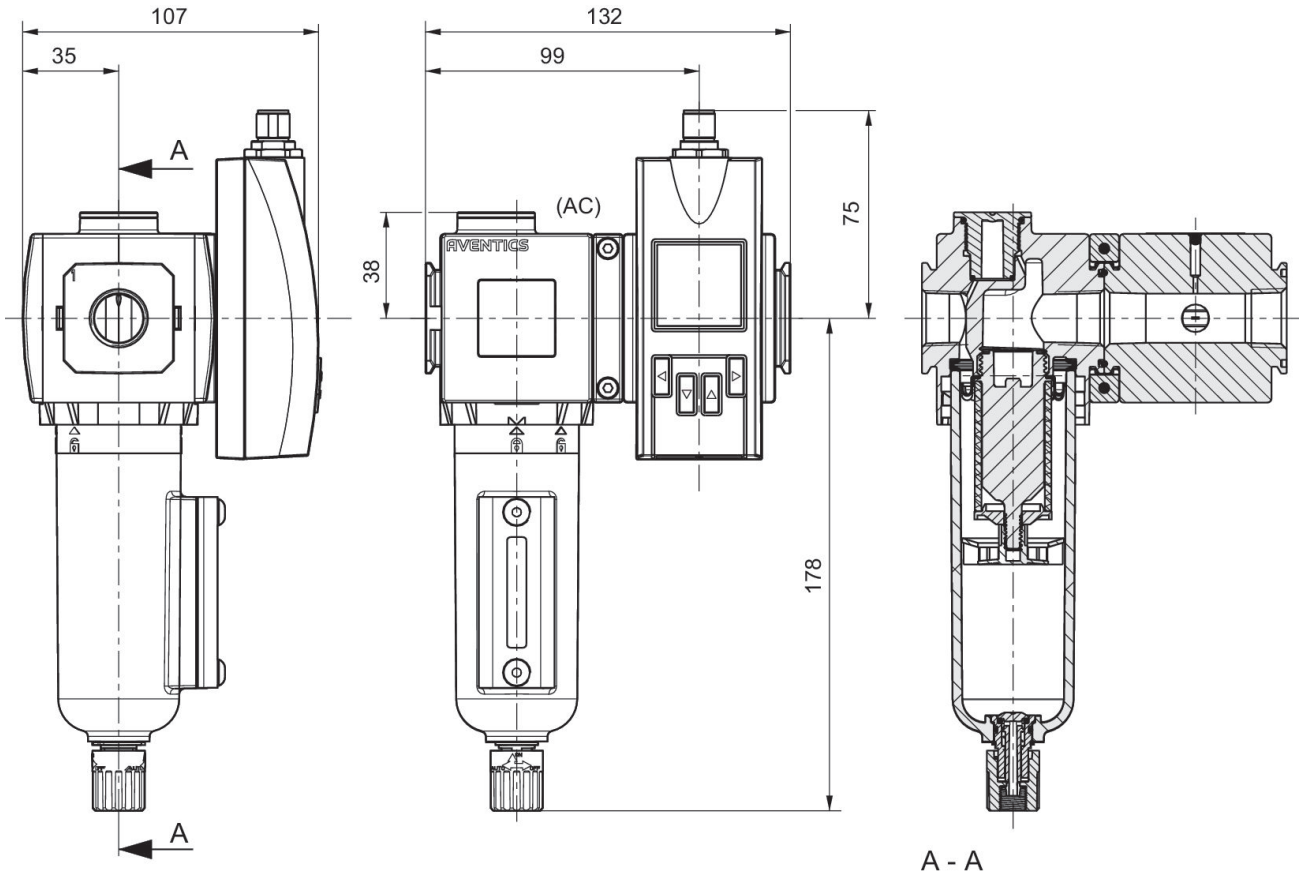
Seal material sensor
Fluorocarbon caoutchouc

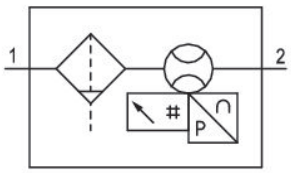
Part No.
G652AVBP4JA001N

Dimensions in inches

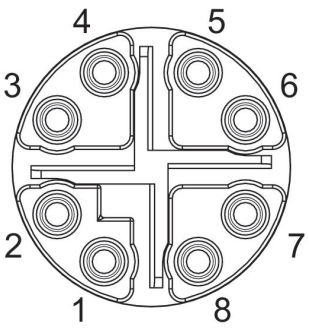


Dimensions in mm





Pin assignments



Pin	RJ45	Wire color	Identification	10/100 Mbit
1	1	WH / OG	TX(+) + POE	TxData+
2	2	OG	TX(-) + POE	TxData+

Pin	RJ45	Wire color	Identification	10/100 Mbit
3	3	WH / GN	RX(+) - POE	TxData-
4	6	GN	RX(-) - POE	TxData-
7	5	WH / BU	POE+	
8	4	BU	POE+	
5	7	WH / BN	POE-	
6	8	BN	POE-	

Series AF2 flow sensor, 652 filter version, Ethernet

8652AVBP4JA001N

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Precision: Standard measurement range: ±4% of measured value, + 0.5% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Integrated web server, 48 VDC connection via Power over Ethernet

Switching principle
Flow measuring principle: calorimetric

Protocol
TCP/IP
OPC UA
MQTT

Nominal flow Qn min., standard
8 l/min

Nominal flow Qn max., standard
1630 l/min

Nominal flow Qn min., extended
1630 l/min

Nominal flow Qn max., extended
2445 l/min

Compressed air connection
1/2 NPT

Certificates
CE declaration of conformity
RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
50 °C

Min. medium temperature
-20 °C

Max. medium temperature
50 °C

Medium
Compressed air
Argon
Nitrogen
Helium
Carbon dioxide

filter porosity
5 µm

Display
OLED

Flow display unit
l/sec
l/min
m³/min

m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
8-pin

Power consumption max.
5 W

Operating voltage DC, min.
36 V DC

Operating voltage DC, max.
57 V DC

Response time
< 0.3 s

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.73 kg

Material

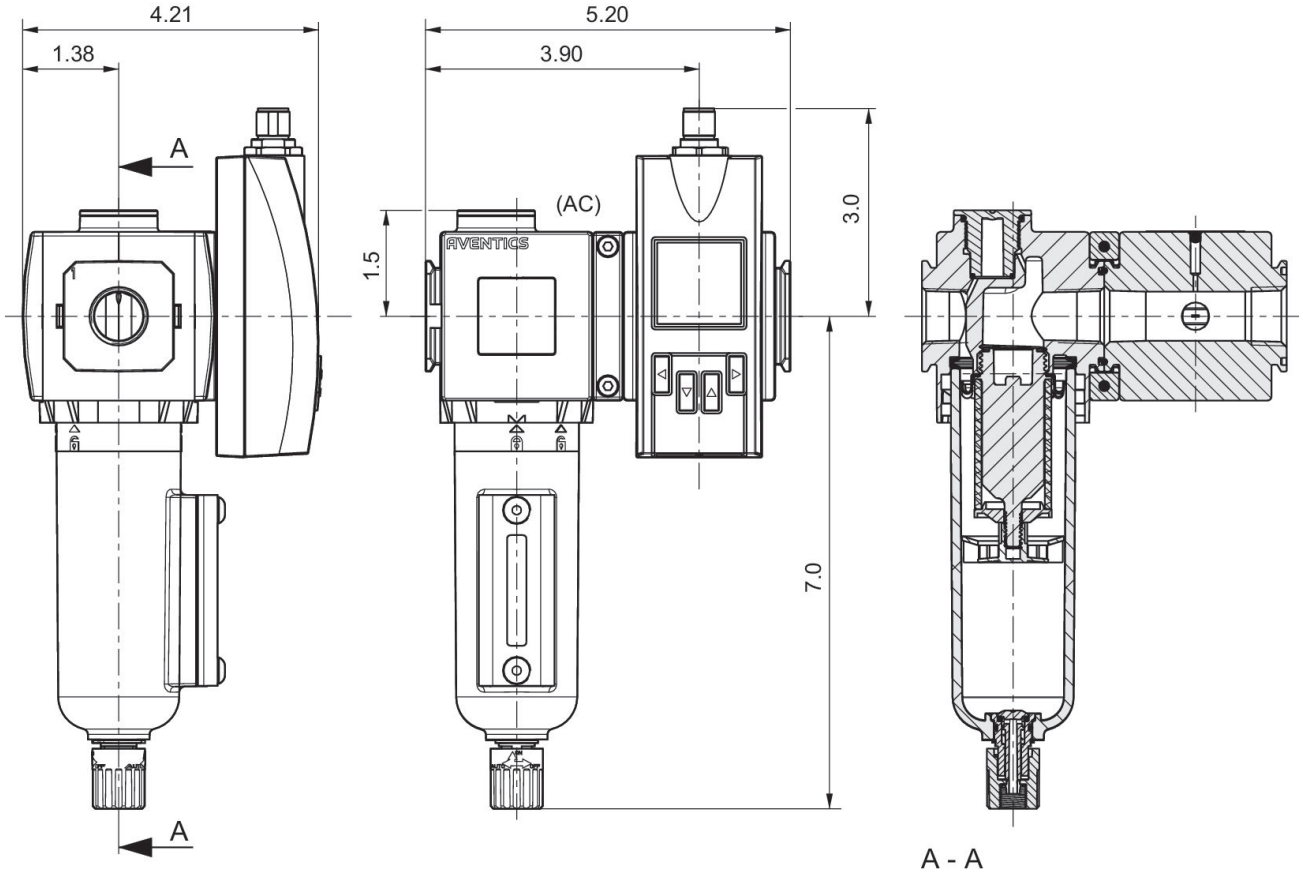
Housing material
Polyamide
Polycarbonate
Aluminum

Seal material filter
Nitrile butadiene rubber

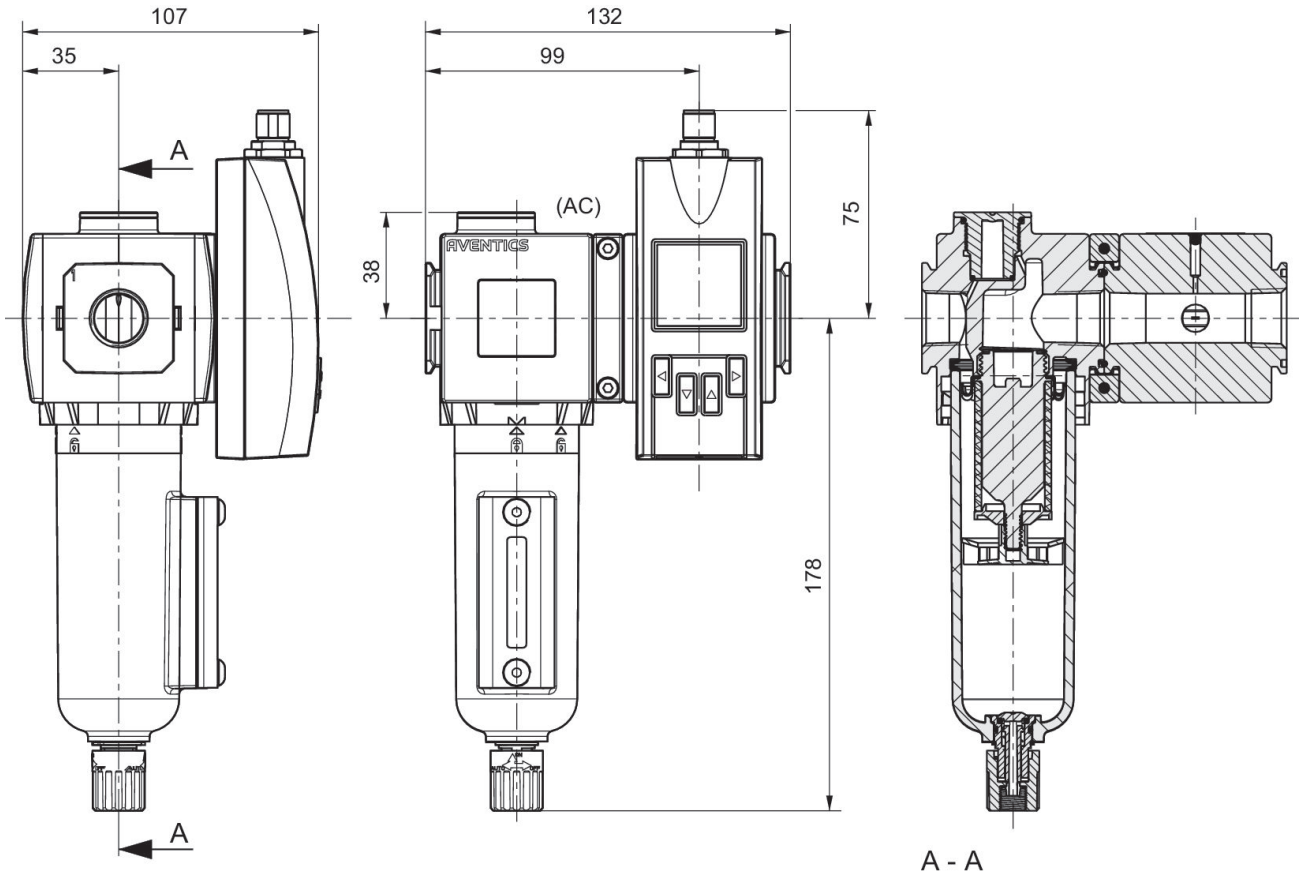
Seal material sensor
Fluorocarbon caoutchouc

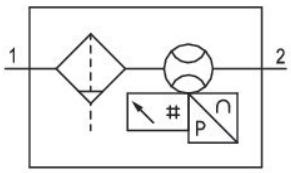
Part No.
8652AVBP4JA001N

Dimensions in inches

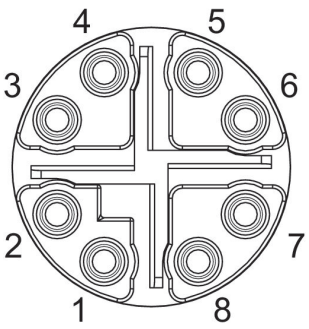


Dimensions in mm





Pin assignments



Pin	RJ45	Wire color	Identification	10/100 Mbit
1	1	WH / OG	TX(+) + POE	TxData+
2	2	OG	TX(-) + POE	TxData+

Pin	RJ45	Wire color	Identification	10/100 Mbit
3	3	WH / GN	RX(+) - POE	TxData-
4	6	GN	RX(-) - POE	TxData-
7	5	WH / BU	POE+	
8	4	BU	POE+	
5	7	WH / BN	POE-	
6	8	BN	POE-	

Series AF2 flow sensor, 652 filter version, IO-Link

8652AVBP4JA000N

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Precision: Standard measurement range: ±4% of measured value, + 0.5% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Output signal: 1 analog output 4 mA ... 20 mA + 1 digital/ analog output (PNP, NPN, push-pull, 4 mA ... 20 mA / switchable)+1 digital output (PNP, NPN, push-pull, switchable), IO-Link V1.1 (COM3 / 230K4 baud)

Frame size
652

Switching principle
Flow measuring principle: calorimetric

Protocol
IO-Link

Nominal flow Qn min., standard
8 l/min

Nominal flow Qn max., standard
1630 l/min

Nominal flow Qn min., extended
1630 l/min

Nominal flow Qn max., extended
2445 l/min

Compressed air connection
1/2 NPT

Certificates
CE declaration of conformity

RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
50 °C

Min. medium temperature
-20 °C

Max. medium temperature
50 °C

Medium
Compressed air
Argon
Nitrogen
Helium
Carbon dioxide

filter porosity
5 µm

Display
OLED

Flow display unit
l/sec
l/min

m³/min
m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
5-pin

Electrical connection
A-coded

Output signal digital
PNP/NPN/push-pull, switchable

Output signal analog
4 ... 20 mA

Power consumption max.
12 W

Operating voltage DC, min.
17 V DC

Operating voltage DC, max.
30 V DC

Response time
< 0.3 s

Short circuit resistance
short circuit resistant

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.73 kg

Material

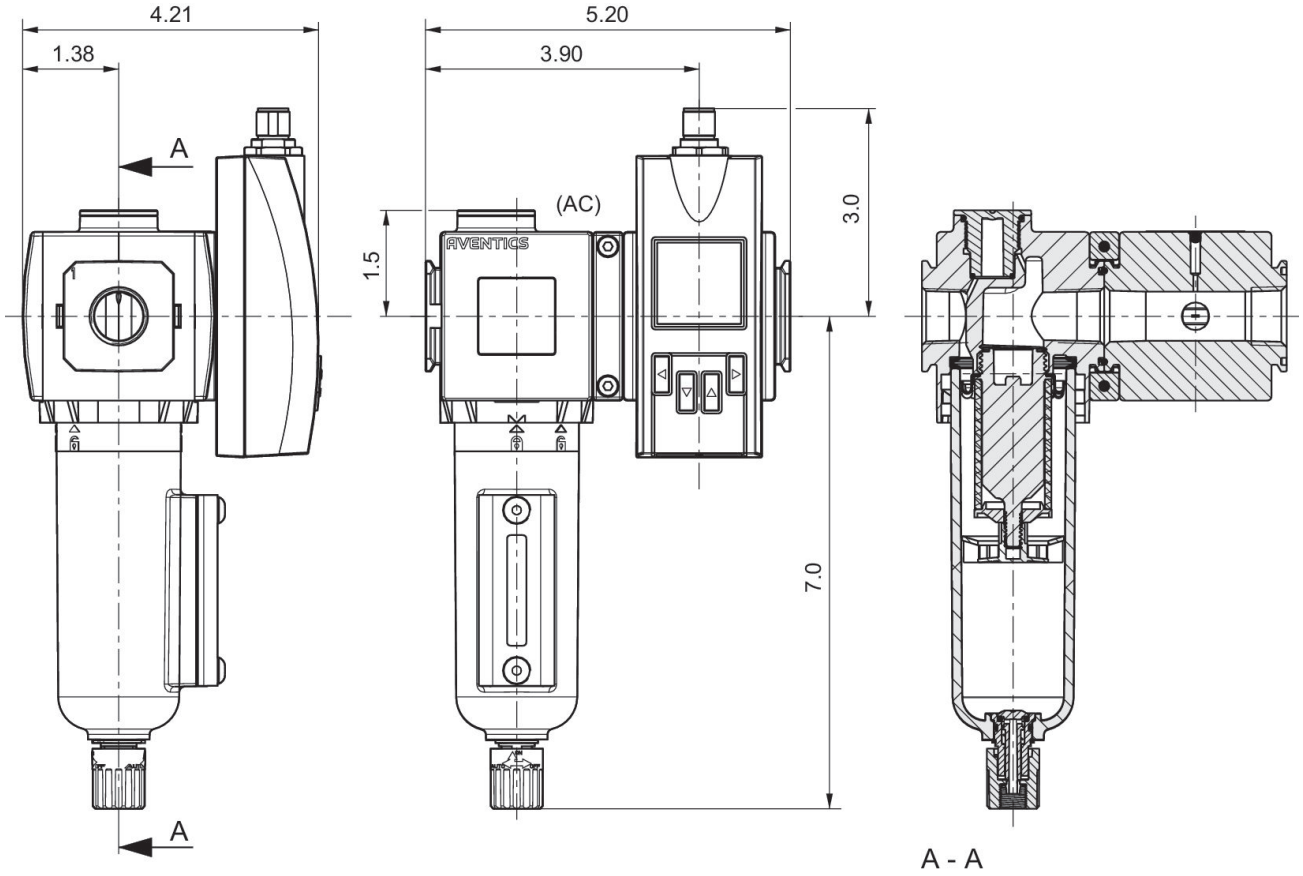
Housing material
Polyamide
Polycarbonate
Aluminum

Seal material filter
Nitrile butadiene rubber

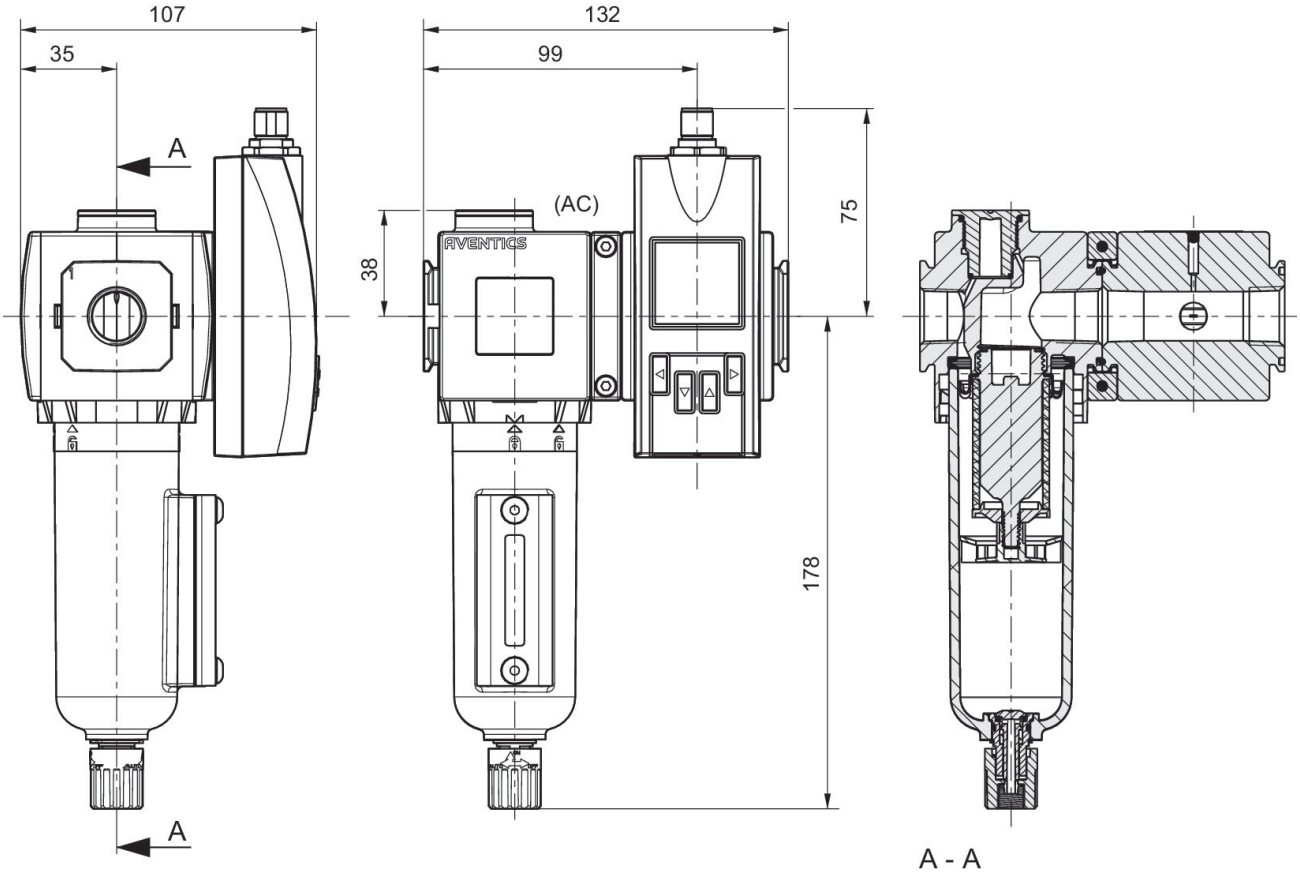
Seal material sensor
Fluorocarbon caoutchouc

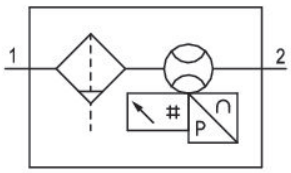
Part No.
8652AVBP4JA000N

Dimensions in inches

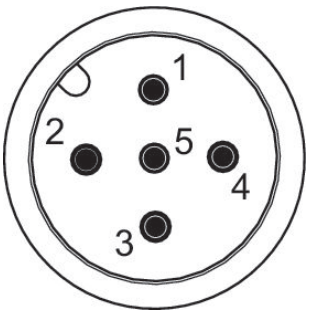


Dimensions in mm





Pin assignments



Pin	Allocation	Wire color	
1	L+	brown	Supply Voltage
2	QA (output 4 ... 20 mA)	white	
3	m = mass	blue	

Pin	Allocation	Wire color	
4	C/Q1 (IO-Link/switch output)	black	
5	Analog output 4 ... 20 mA	yellow	

Series AF2 flow sensor, 652 filter version, IO-Link

G652AVBP4JA000N

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Precision: Standard measurement range: ±4% of measured value, + 0.5% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Output signal: 1 analog output 4 mA ... 20 mA + 1 digital/ analog output (PNP, NPN, push-pull, 4 mA ... 20 mA / switchable)+1 digital output (PNP, NPN, push-pull, switchable), IO-Link V1.1 (COM3 / 230K4 baud)

Frame size
652

Switching principle
Flow measuring principle: calorimetric

Protocol
IO-Link

Nominal flow Qn min., standard
8 l/min

Nominal flow Qn max., standard
1630 l/min

Nominal flow Qn min., extended
1630 l/min

Nominal flow Qn max., extended
2445 l/min

Compressed air connection
G 1/2

Certificates
CE declaration of conformity

RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
50 °C

Min. medium temperature
-20 °C

Max. medium temperature
50 °C

Medium
Compressed air
Argon
Nitrogen
Helium
Carbon dioxide

filter porosity
5 µm

Display
OLED

Flow display unit
l/sec
l/min

m³/min
m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
5-pin

Electrical connection
A-coded

Output signal digital
PNP/NPN/push-pull, switchable

Output signal analog
4 ... 20 mA

Power consumption max.
12 W

Operating voltage DC, min.
17 V DC

Operating voltage DC, max.
30 V DC

Response time
< 0.3 s

Short circuit resistance
short circuit resistant

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.73 kg

Material

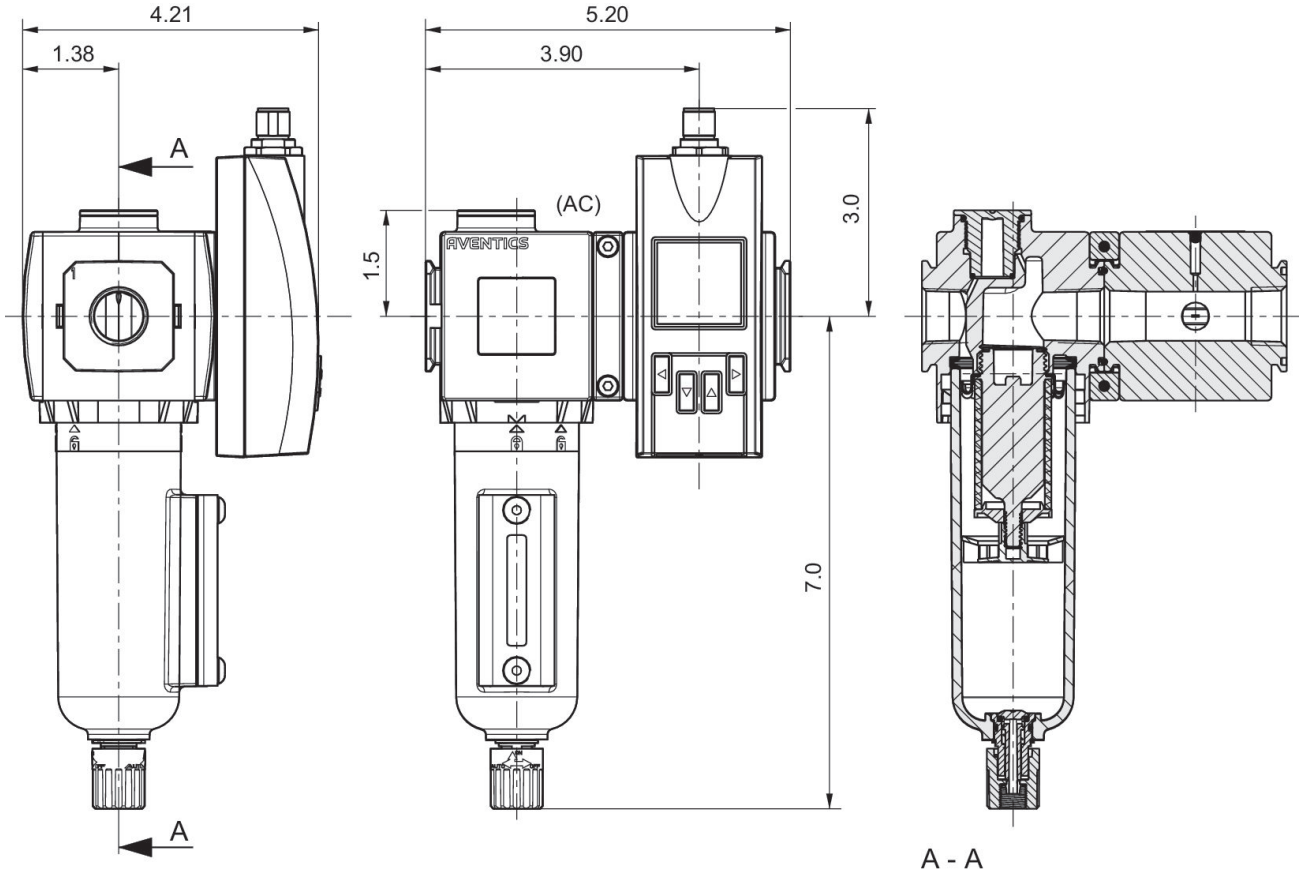
Housing material
Polyamide
Polycarbonate
Aluminum

Seal material filter
Nitrile butadiene rubber

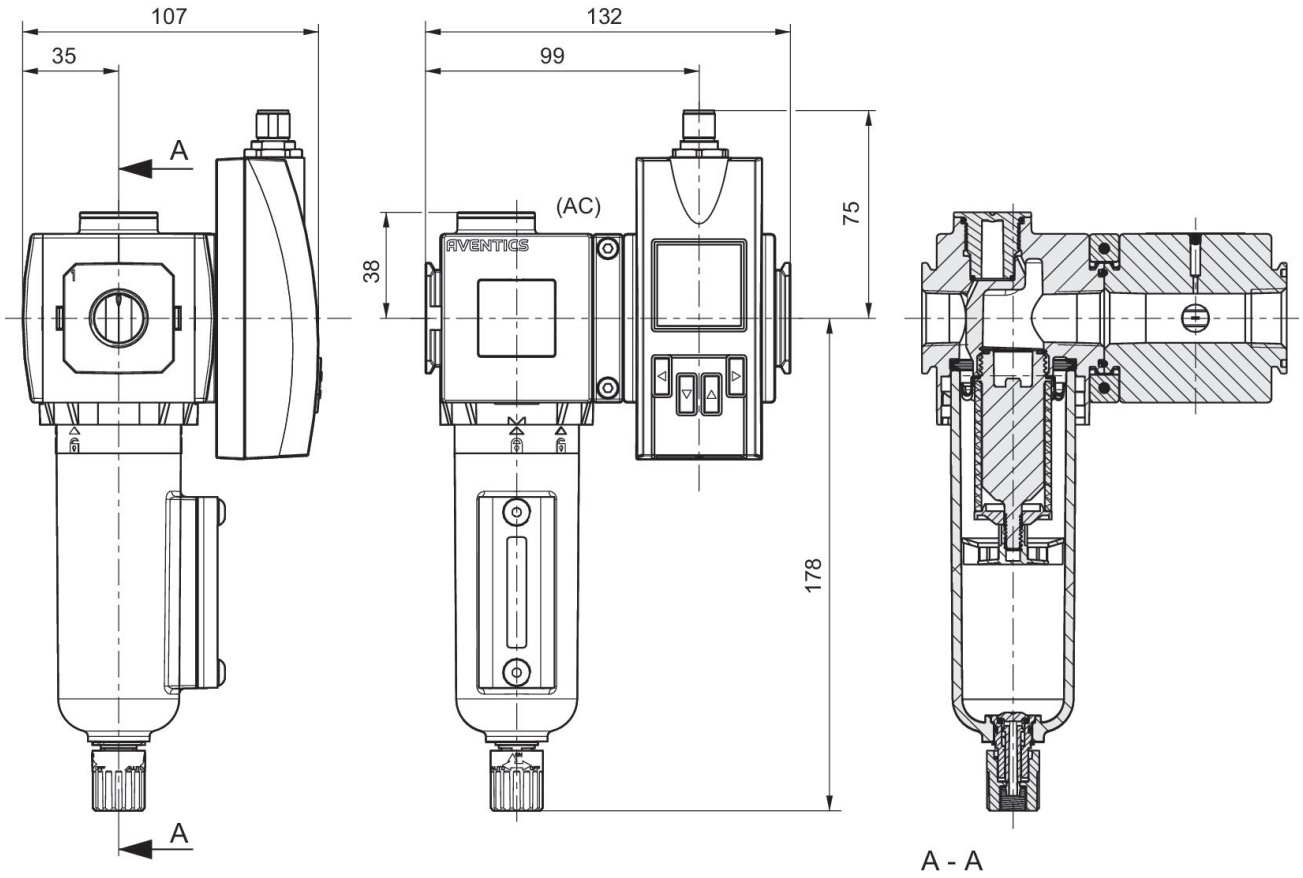
Seal material sensor
Fluorocarbon caoutchouc

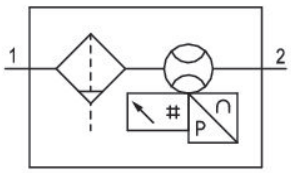
Part No.
G652AVBP4JA000N

Dimensions in inches

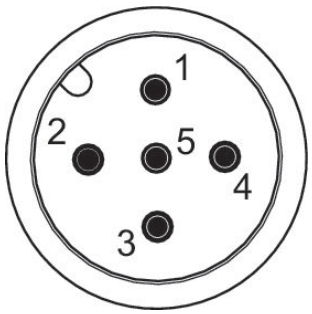


Dimensions in mm





Pin assignments



Pin	Allocation	Wire color	
1	L+	brown	Supply Voltage
2	QA (output 4 ... 20 mA)	white	
3	m = mass	blue	

Pin	Allocation	Wire color	
4	C/Q1 (IO-Link/switch output)	black	
5	Analog output 4 ... 20 mA	yellow	

Series AF2 flow sensor, 652 pipe version with pipe, Ethernet

8652AV004JA0010

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Liquid oil or water must be separated via prefiltering. If it is not separated sufficiently, drifting may result. Precision: Standard measurement range: ±3% of measured value, + 0.3% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Integrated web server, 48 VDC connection via Power over Ethernet

Switching principle
Flow measuring principle: calorimetric

Protocol
TCP/IP
OPC UA
MQTT

Nominal flow Qn min., standard
5.3 l/min

Nominal flow Qn max., standard
1060 l/min

Nominal flow Qn min., extended
1060 l/min

Nominal flow Qn max., extended
1590 l/min

Compressed air connection
1/2 NPT

Certificates
CE declaration of conformity
RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
60 °C

Min. medium temperature
-20 °C

Max. medium temperature
60 °C

Medium
Compressed air
Argon

Nitrogen
Helium
Carbon dioxide

Display
OLED

Flow display unit
l/sec
l/min
m³/min
m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
8-pin

Power consumption max.
5 W

Operating voltage DC, min.
36 V DC

Operating voltage DC, max.
57 V DC

Response time
< 0.3 s

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.805 kg

Material

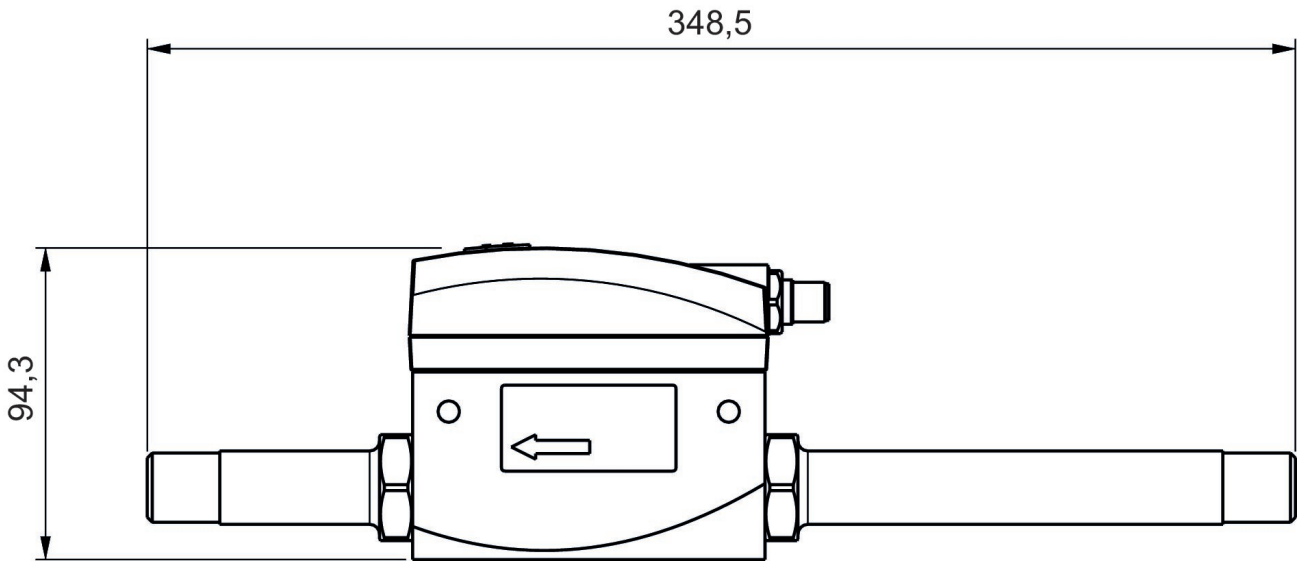
Housing material
Polyamide
Polycarbonate
Aluminum

Pipe material
Stainless Steel

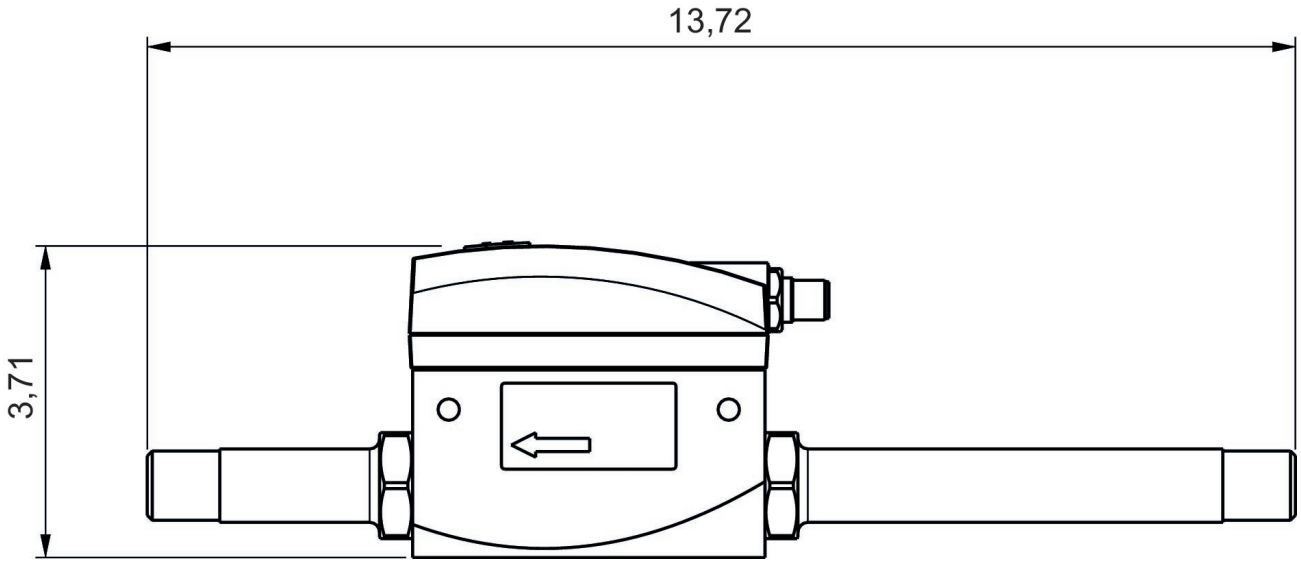
Seal material sensor
Fluorocarbon caoutchouc

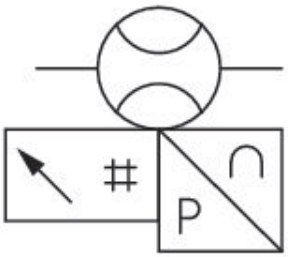
Part No.
8652AV004JA0010

Dimensions in mm

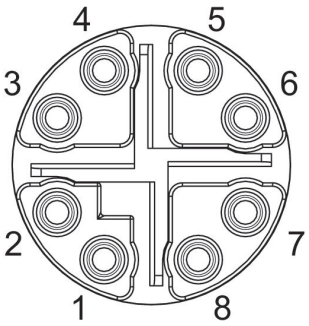


Dimensions in inches





Pin assignments



Pin	RJ45	Wire color	Identification	10/100 Mbit
1	1	WH / OG	TX(+) + POE	TxData+
2	2	OG	TX(-) + POE	TxData+
3	3	WH / GN	RX(+) - POE	TxData-
4	6	GN	RX(-) - POE	TxData-
7	5	WH / BU	POE+	
8	4	BU	POE+	
5	7	WH / BN	POE-	
6	8	BN	POE-	

Series AF2 flow sensor, 652 pipe version with pipe, Ethernet

G652AV004JA0010

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Liquid oil or water must be separated via prefiltering. If it is not separated sufficiently, drifting may result. Precision: Standard measurement range: ±3% of measured value, + 0.3% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Integrated web server, 48 VDC connection via Power over Ethernet

Switching principle
Flow measuring principle: calorimetric

Protocol
TCP/IP
OPC UA
MQTT

Nominal flow Qn min., standard
5.3 l/min

Nominal flow Qn max., standard
1060 l/min

Nominal flow Qn min., extended
1060 l/min

Nominal flow Qn max., extended
1590 l/min

Compressed air connection
G 1/2

Certificates
CE declaration of conformity
RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
60 °C

Min. medium temperature
-20 °C

Max. medium temperature
60 °C

Medium
Compressed air
Argon

Nitrogen
Helium
Carbon dioxide

Display
OLED

Flow display unit
l/sec
l/min
m³/min
m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
8-pin

Power consumption max.
5 W

Operating voltage DC, min.
36 V DC

Operating voltage DC, max.
57 V DC

Response time
< 0.3 s

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.805 kg

Material

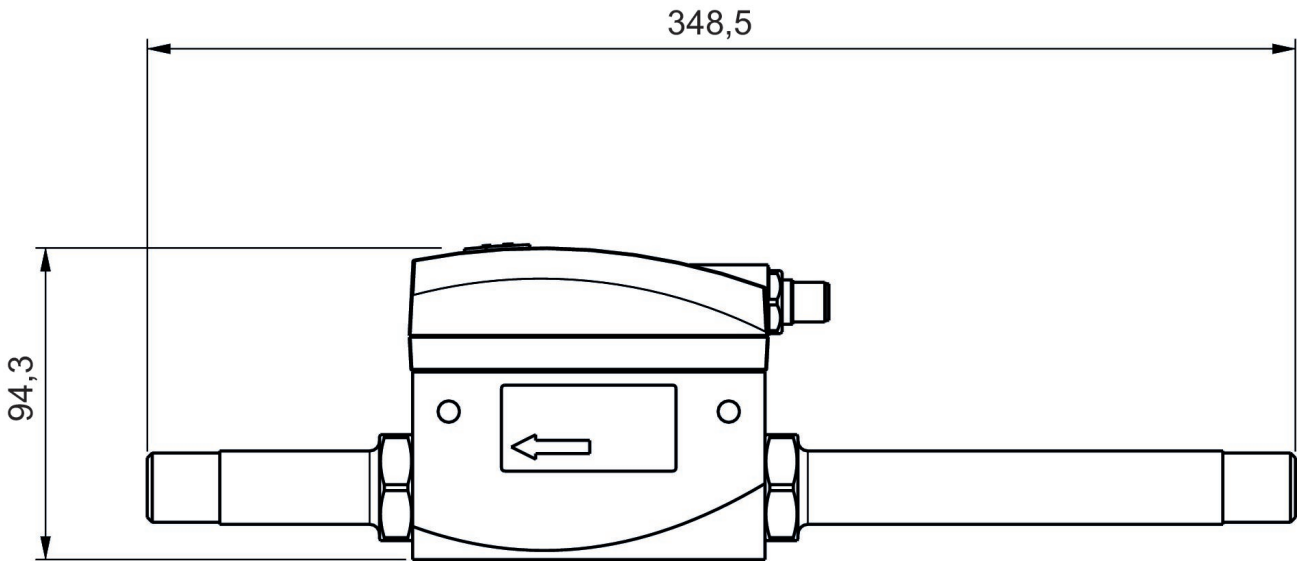
Housing material
Polyamide
Polycarbonate
Aluminum

Pipe material
Stainless Steel

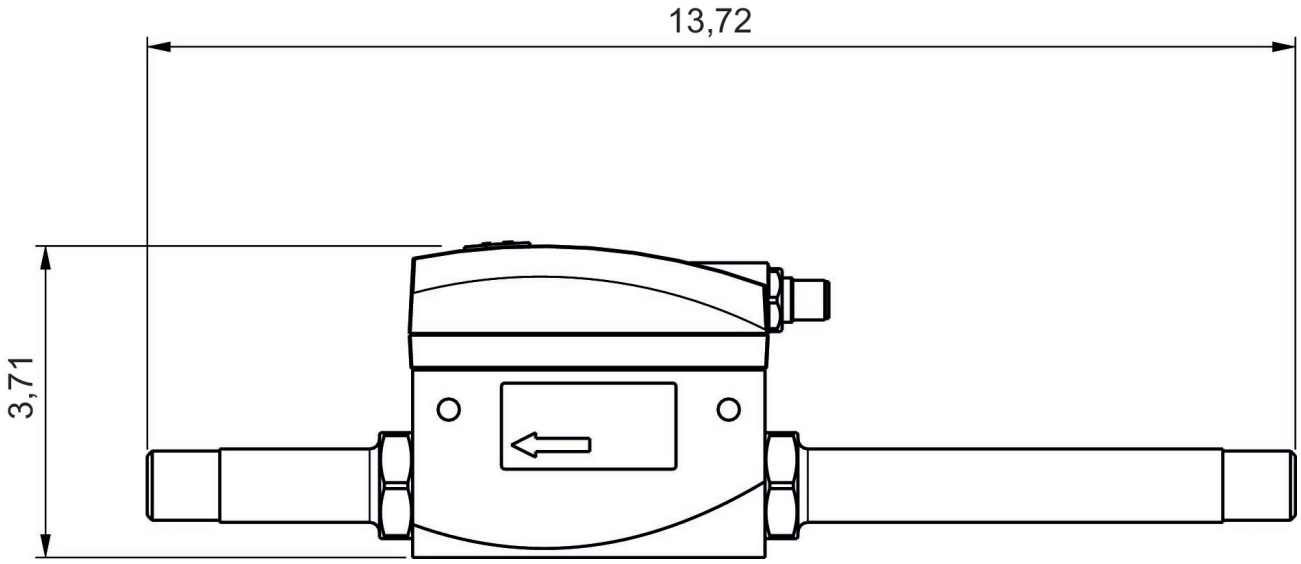
Seal material sensor
Fluorocarbon caoutchouc

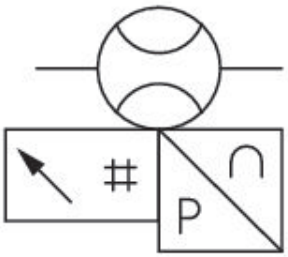
Part No.
G652AV004JA0010

Dimensions in mm

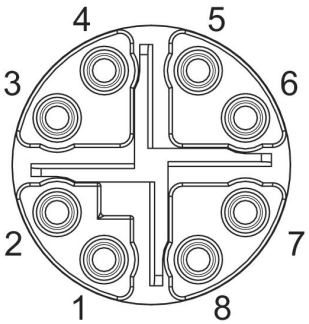


Dimensions in inches





Pin assignments



Pin	RJ45	Wire color	Identification	10/100 Mbit
1	1	WH / OG	TX(+) + POE	TxData+
2	2	OG	TX(-) + POE	TxData+
3	3	WH / GN	RX(+) - POE	TxData-
4	6	GN	RX(-) - POE	TxData-
7	5	WH / BU	POE+	
8	4	BU	POE+	
5	7	WH / BN	POE-	
6	8	BN	POE-	

Series AF2 flow sensor, 652 pipe version with pipe, IO-Link

8652AV004JA0000

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Liquid oil or water must be separated via prefiltering. If it is not separated sufficiently, drifting may result. Precision: Standard measurement range: ±3% of measured value, + 0.3% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Output signal: 1 analog output 4 mA ... 20 mA + 1 digital/ analog output (PNP, NPN, push-pull, 4 mA ... 20 mA / switchable)+1 digital output (PNP, NPN, push-pull, switchable), IO-Link V1.1 (COM3 / 230K4 baud)

Switching principle
Flow measuring principle: calorimetric

Protocol
IO-Link

Nominal flow Qn min., standard
5.3 l/min

Nominal flow Qn max., standard
1060 l/min

Nominal flow Qn min., extended
1060 l/min

Nominal flow Qn max., extended
1590 l/min

Compressed air connection
1/2 NPT

Certificates
CE declaration of conformity
RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
60 °C

Min. medium temperature
-20 °C

Max. medium temperature
60 °C

Medium
Compressed air
Argon

Nitrogen
Helium
Carbon dioxide

Display
OLED

Flow display unit
l/sec
l/min
m³/min
m³/h
ft³/s
m³/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
5-pin

Electrical connection
A-coded

Output signal digital
PNP/NPN/push-pull, switchable

Output signal analog
4 ... 20 mA

Power consumption max.
12 W

Operating voltage DC, min.
17 V DC

Operating voltage DC, max.
30 V DC

Response time
< 0.3 s

Short circuit resistance
short circuit resistant

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.805 kg

Material

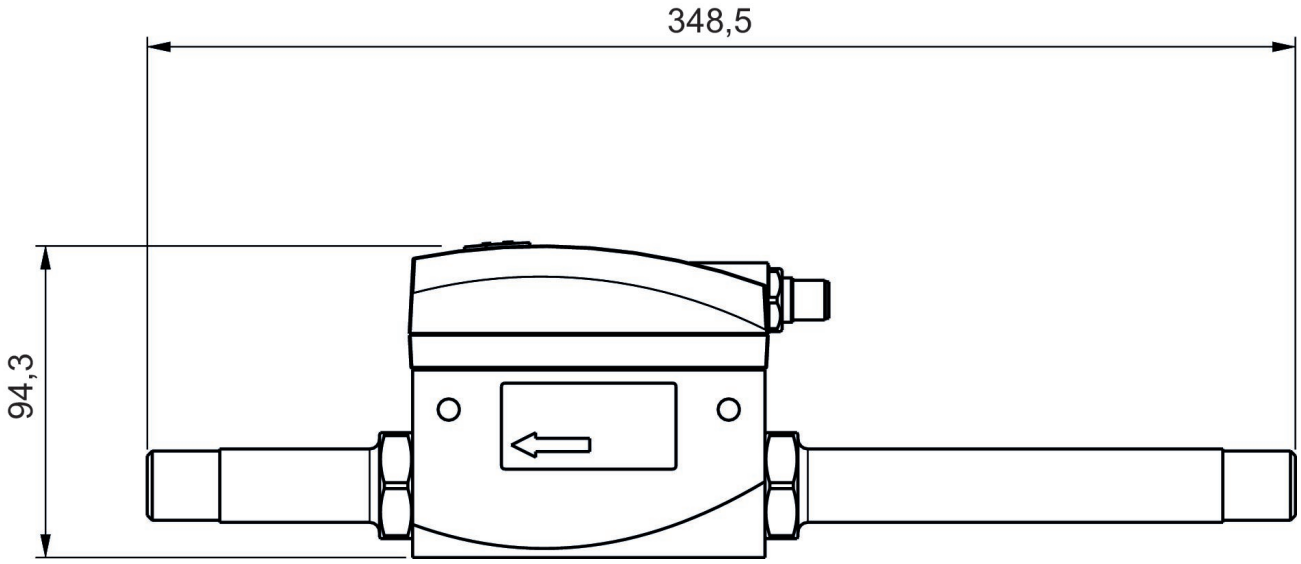
Housing material
Polyamide
Polycarbonate
Aluminum

Pipe material
Stainless Steel

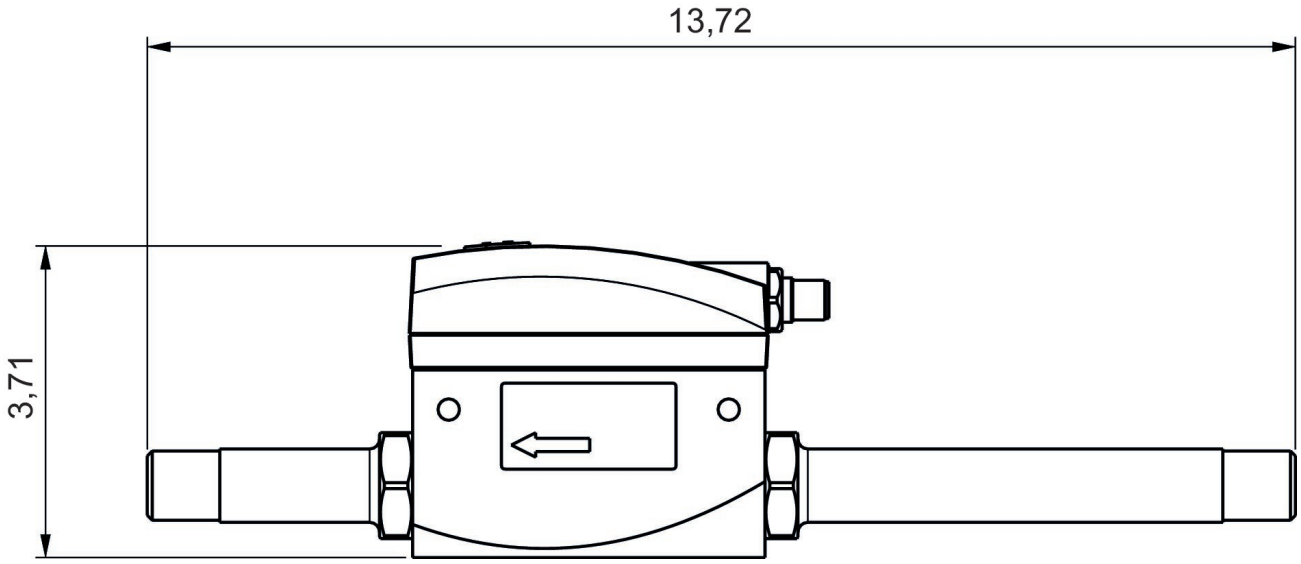
Seal material sensor
Fluorocarbon caoutchouc

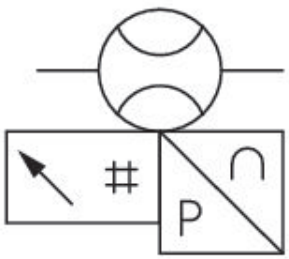
Part No.
8652AV004JA0000

Dimensions in mm

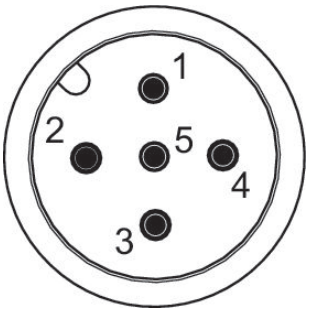


Dimensions in inches





Pin assignments



Pin	Allocation	Wire color	
1	L+	brown	Supply Voltage
2	QA (output 4 ... 20 mA)	white	
3	m = mass	blue	
4	C/Q1 (IO-Link/switch output)	black	
5	Analog output 4 ... 20 mA	yellow	

Series AF2 flow sensor, 652 pipe version with pipe, IO-Link

G652AV004JA0000

Series 652

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C. The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions. Liquid oil or water must be separated via prefiltering. If it is not separated sufficiently, drifting may result. Precision: Standard measurement range: ±3% of measured value, + 0.3% of final value. Extended measurement range: ±8% of measured value, + 1% of final value.

Technical data

Industry
Industrial

Note
Output signal: 1 analog output 4 mA ... 20 mA + 1 digital/ analog output (PNP, NPN, push-pull, 4 mA ... 20 mA / switchable)+1 digital output (PNP, NPN, push-pull, switchable), IO-Link V1.1 (COM3 / 230K4 baud)

Switching principle
Flow measuring principle: calorimetric

Protocol
IO-Link

Nominal flow Qn min., standard
5.3 l/min

Nominal flow Qn max., standard
1060 l/min

Nominal flow Qn min., extended
1060 l/min

Nominal flow Qn max., extended
1590 l/min

Compressed air connection
G 1/2

Certificates
CE declaration of conformity
RoHS

Working pressure min.
0 bar

Working pressure max
16 bar

Min. ambient temperature
-20 °C

Max. ambient temperature
60 °C

Min. medium temperature
-20 °C

Max. medium temperature
60 °C

Medium
Compressed air
Argon

Nitrogen
Helium
Carbon dioxide

Display
OLED

Flow display unit
l/sec
l/min
m^3/min
m^3/h
ft^3/s
m^3/min

Pressure display unit
bar
psi

Temperature display unit
°C
°F

Electrical connection
Plug

Electrical connection
M12x1

Electrical connection
5-pin

Electrical connection
A-coded

Output signal digital
PNP, NPN, push-pull, 1x IO-Link

Output signal analog
4 ... 20 mA

Power consumption max.
12 W

Operating voltage DC, min.
17 V DC

Operating voltage DC, max.
30 V DC

Response time
< 0.3 s

Short circuit resistance
short circuit resistant

Shock resistance max.
30 g, 11 ms

Vibration resistance
1 g (10 - 2000 Hz) IEC 60068 - 2-6

Reproducibility
± 1.5% of the measured value

Protection class
IP65
IP67 according to IEC 60529

Weight
0.805 kg

Material

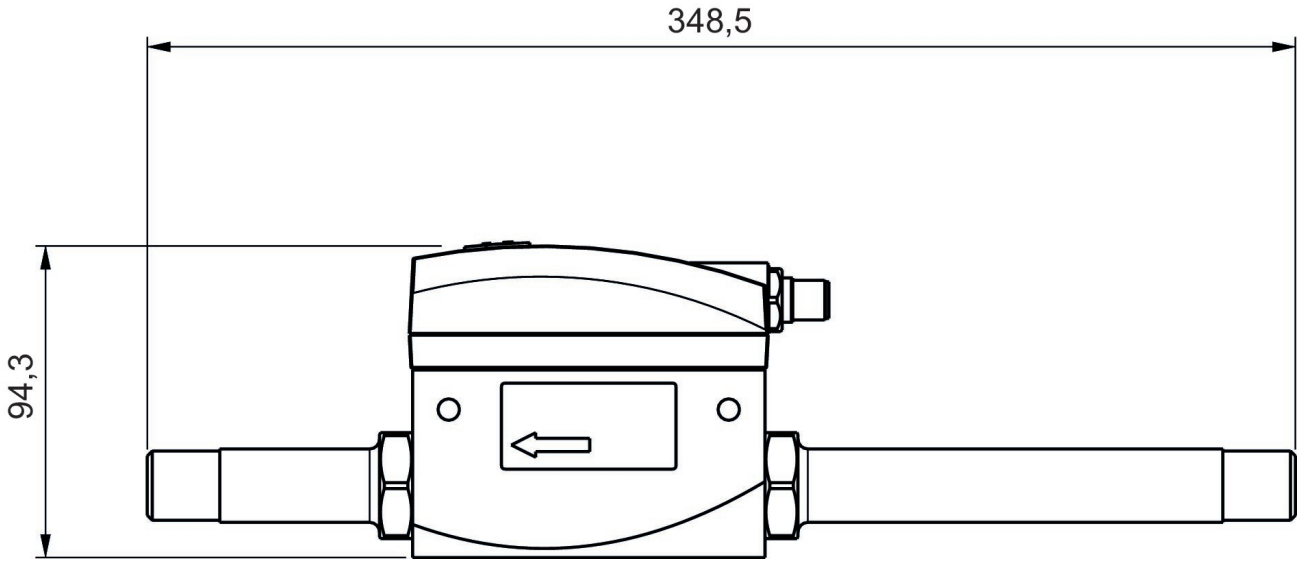
Housing material
Polyamide
Polycarbonate
Aluminum

Pipe material
Stainless Steel

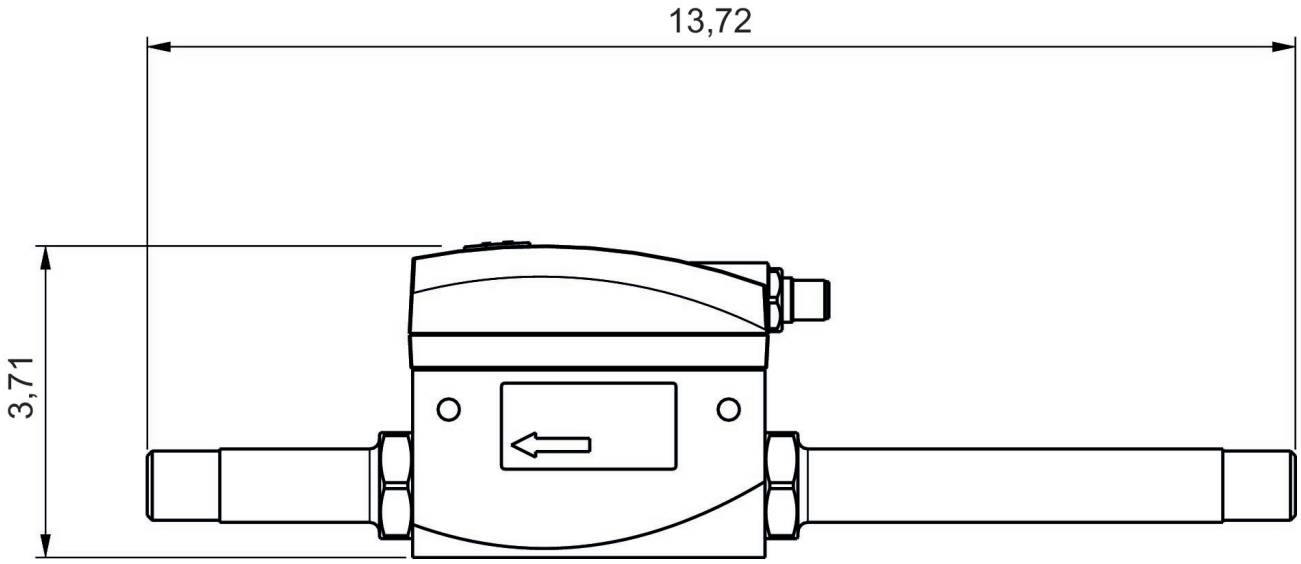
Seal material sensor
Fluorocarbon caoutchouc

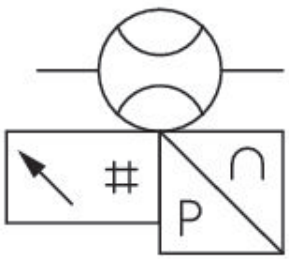
Part No.
G652AV004JA0000

Dimensions in mm

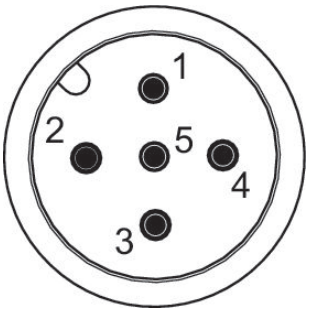


Dimensions in inches





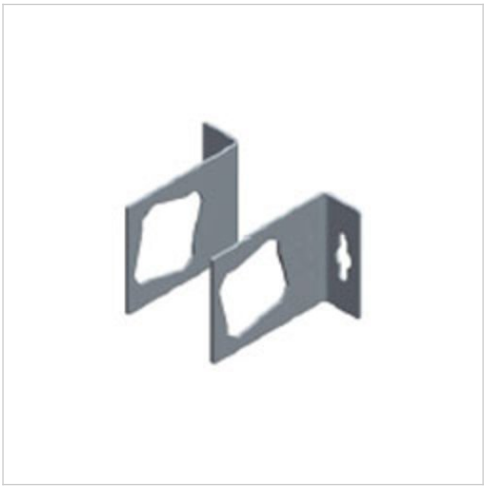
Pin assignments



Pin	Allocation	Wire color	
1	L+	brown	Supply Voltage
2	QA (output 4 ... 20 mA)	white	
3	m = mass	blue	
4	C/Q1 (IO-Link/switch output)	black	
5	Analog output 4 ... 20 mA	yellow	

Mounting bracket

- Side mounting brackets
- Stainless steel



Technical data

Part No.
P652AT503860002

Includes two brackets.

Technical information

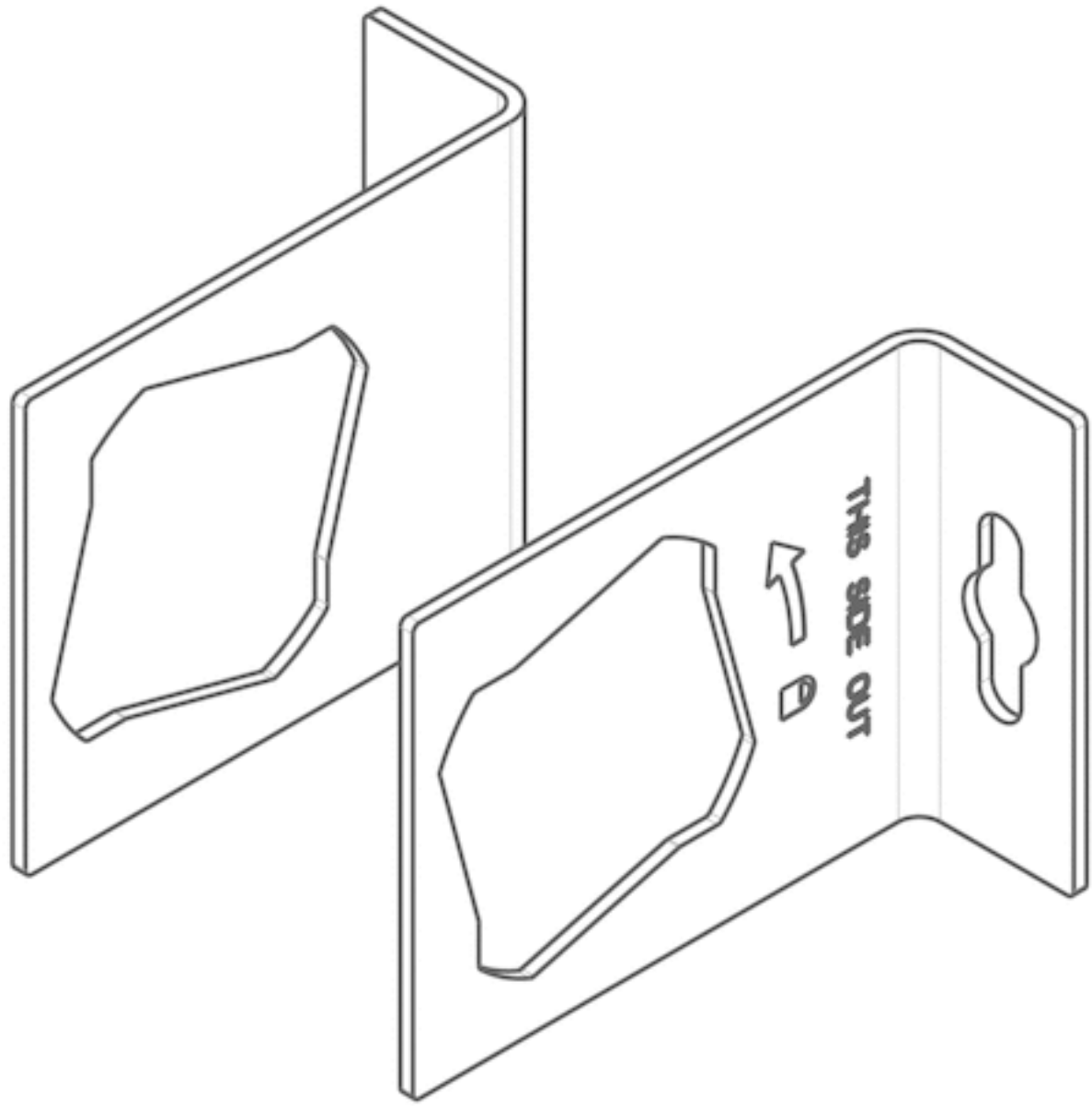
Recommended only for static applications (without vibration)

Technical information

Material	
Housing	Stainless steel

Dimensions

Dimensions



Block assembly kit

- End plate kit
- Body-to-body assembly clamps
- Aluminum

Technical data

Part No.
P652AT502466001

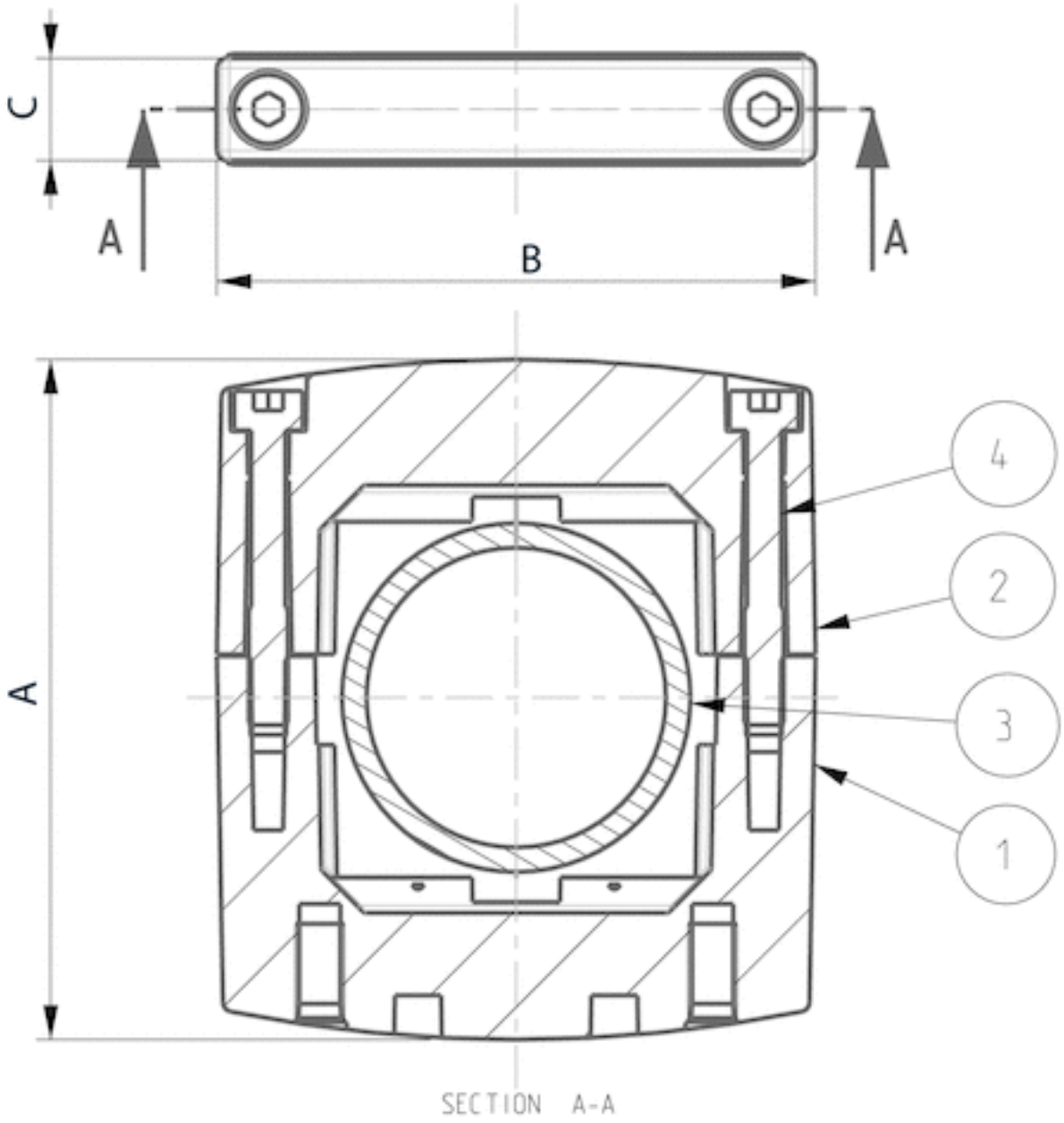
Includes NBR O-ring

Technical information

Material	
Housing	Aluminum
Seal	Nitrile butadiene rubber

Dimensions

Dimensions



1) Block assembly kit
2) Block assembly kit
3) O-ring
4) Screw

Dimensions

Series	A	B	C
652	69	61	10

End plate kit

- Aluminum

Technical data

Part No.	Thread size
T652AT502468002	G 1/2

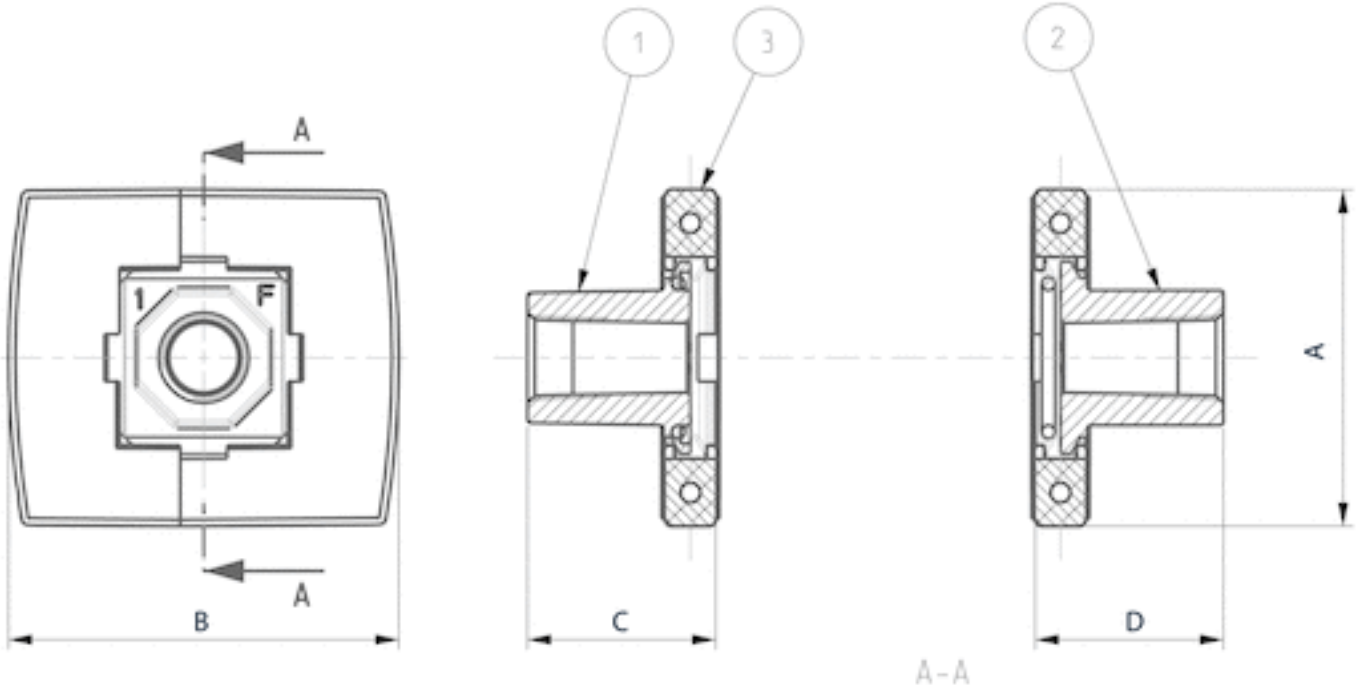
Includes two end plates, body-to-body assembly clamps, and O-ring

Technical information

Material	
Housing	Aluminum
Seal	Nitrile butadiene rubber

Dimensions

Dimensions



1) Right end plate
2) Left end plate
3) Kit

Dimensions

Series	A	B	C	D
652	61	69	35	35

Mounting clip

- Wall/panel bracket kit
- Aluminum

Technical data

Part No.
P699AT502467001

Includes one bracket and two screws for attaching the bracket to the body clamps.

Technical information

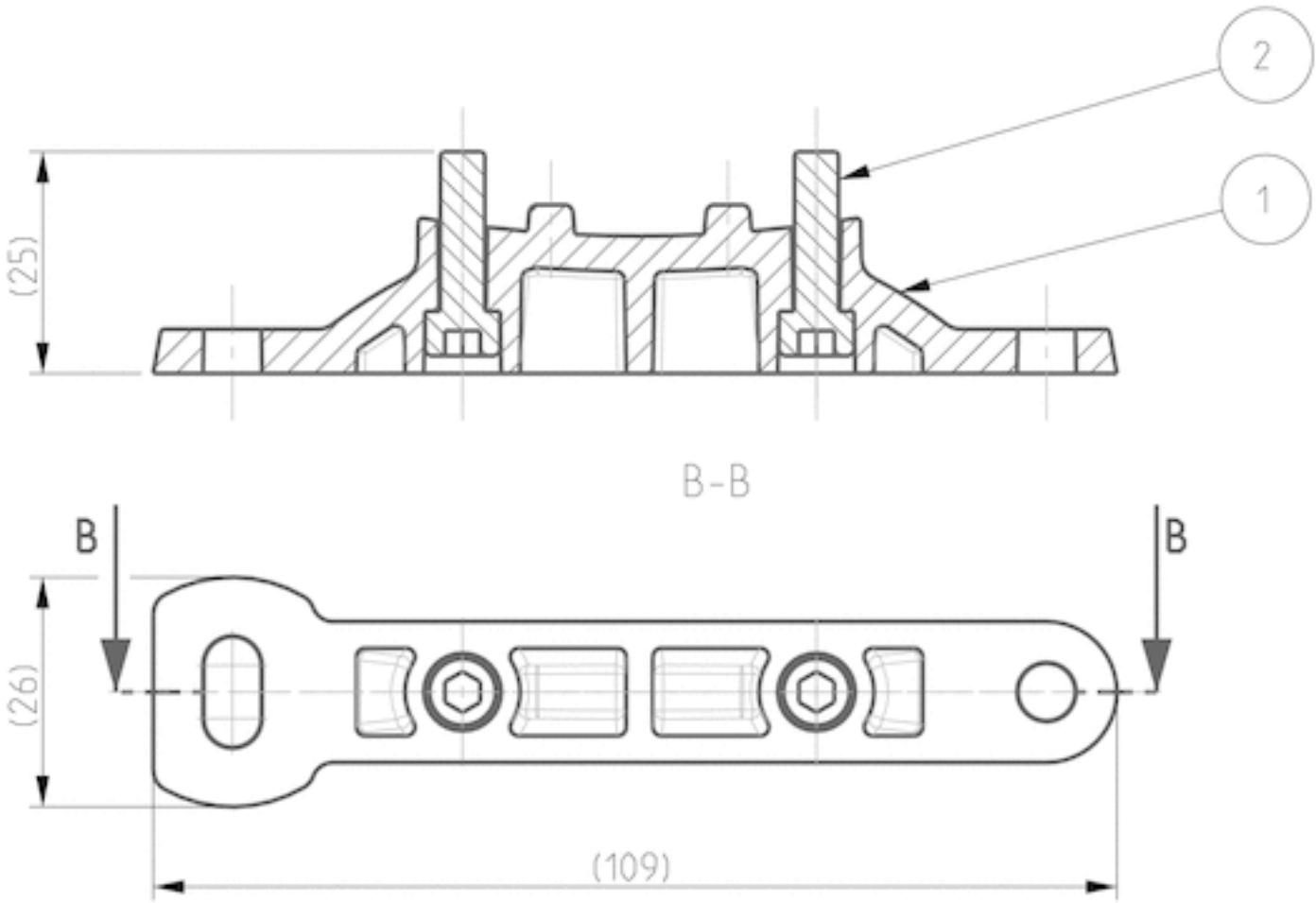
One bracket is suitable for mounting two products.
Two brackets are required for mounting three or more products.

Technical information

Material	
Housing	Aluminum
Seal	Nitrile butadiene rubber

Dimensions

Dimensions



1) Holder
2) Screw

Panel nut and bracket

- For panel installation
- Stainless steel

Technical data

Part No.
P652AT503861002

Technical information

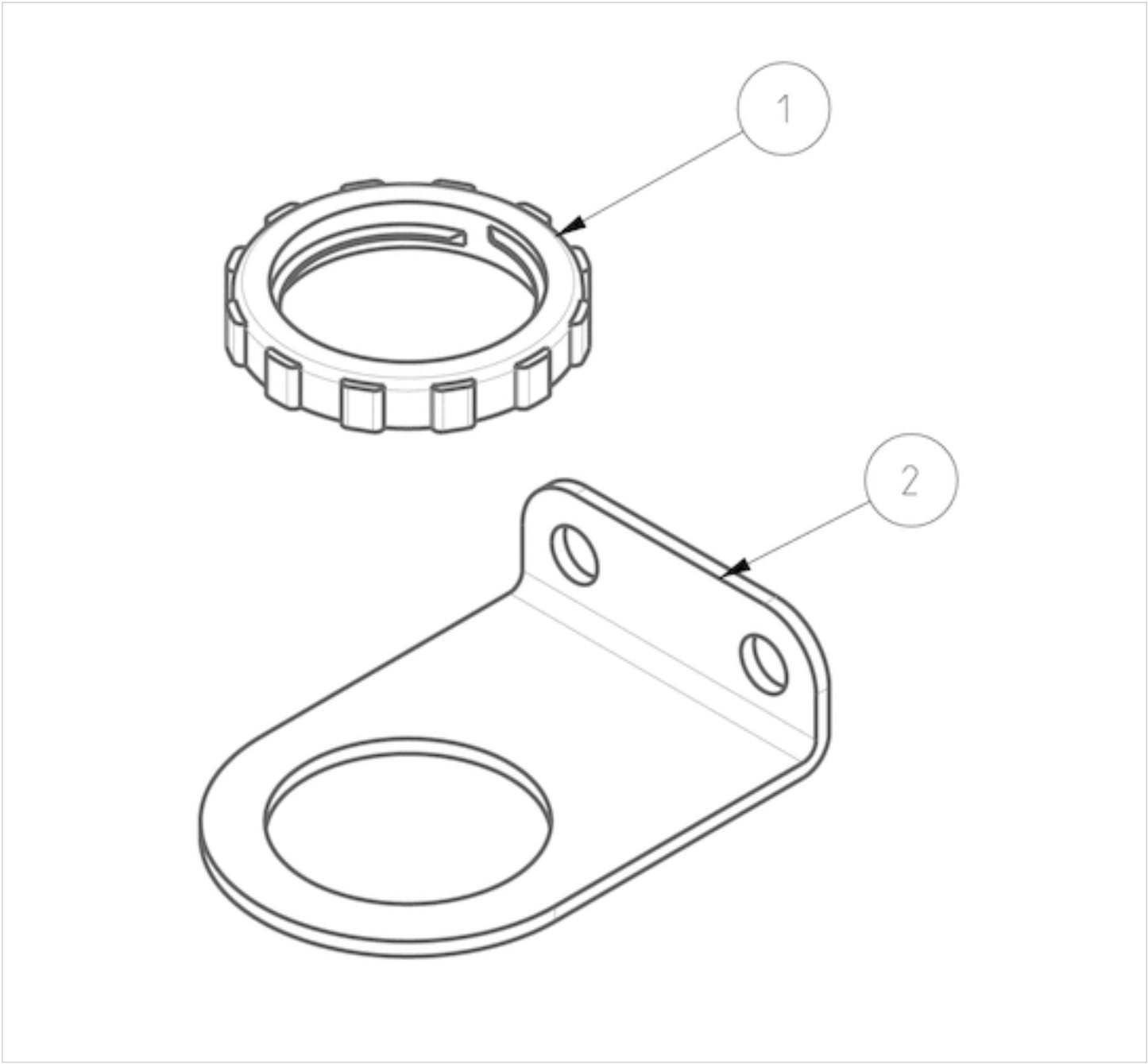
The panel nut and bracket are used to mount a regulator or filter-regulator to a wall or panel.

Technical information

Material	
Housing	Stainless steel

Dimensions

Dimensions



1) Panel nut
2) Mounting bracket

Filter element

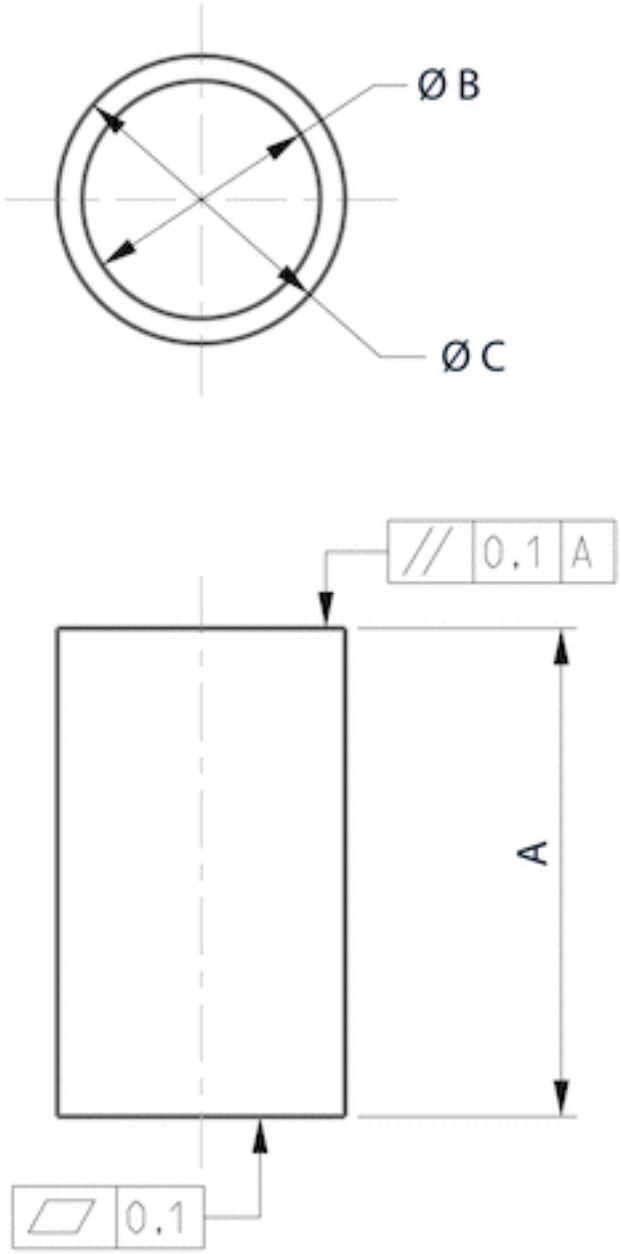
- 652

Technical data

Part No.	filter porosity	Color
M652AE433582001	5 µm	White
M652AE433582002	25 µm	Yellow

Dimensions

Dimensions



Dimensions

Series	A	B	C
652	47	22,9	27,7

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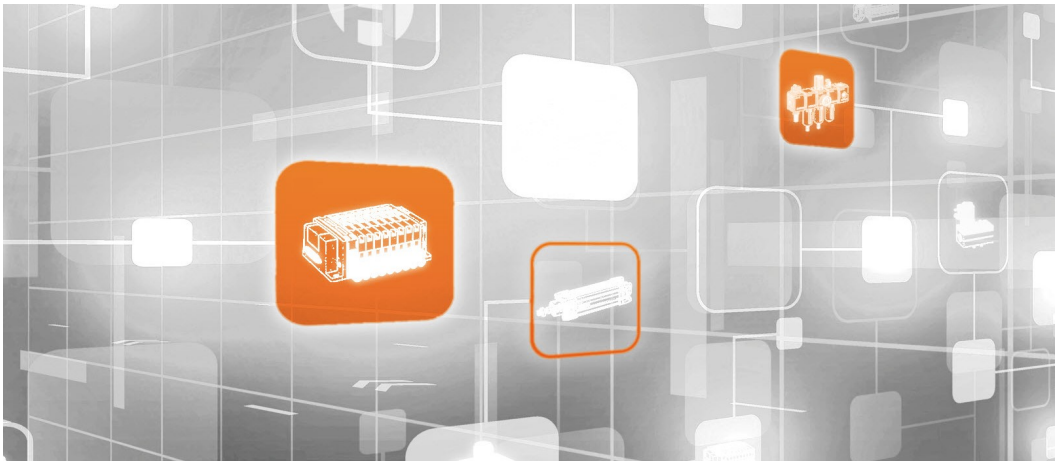

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