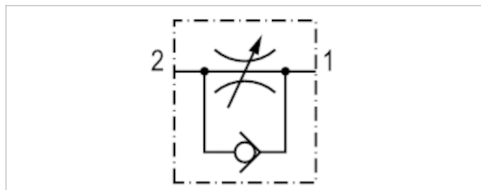


Check-choke valve, Series CC02-AL

- $Q_n 2 \rightarrow 1 = 0.086\text{--}0.915 \text{ Cv}$
- direction of throttle $2 \rightarrow 1$
- exhaust air throttling
- push-in fitting / External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	14 ... 158 °F
Medium temperature min./max.	14 ... 158 °F
Medium	Compressed air



Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	$Q_n 2 \rightarrow 1$
R412004995	Ø 6	M5	2 mm	0.086 Cv
0821200242	Ø 6	G 1/8	3.5 mm	0.366 Cv
0821200246	Ø 6	G 1/4	4.5 mm	0.549 Cv
0821200244	Ø 8	G 1/8	3.5 mm	0.366 Cv
0821200247	Ø 8	G 1/4	4.5 mm	0.549 Cv
0821200248	Ø 8	G 3/8	6.6 mm	0.915 Cv
0821200253	Ø 10	G 1/4	4.5 mm	0.549 Cv
0821200249	Ø 10	G 3/8	6.6 mm	0.915 Cv
R412007432	Ø 12	G 3/8	6.6 mm	0.915 Cv

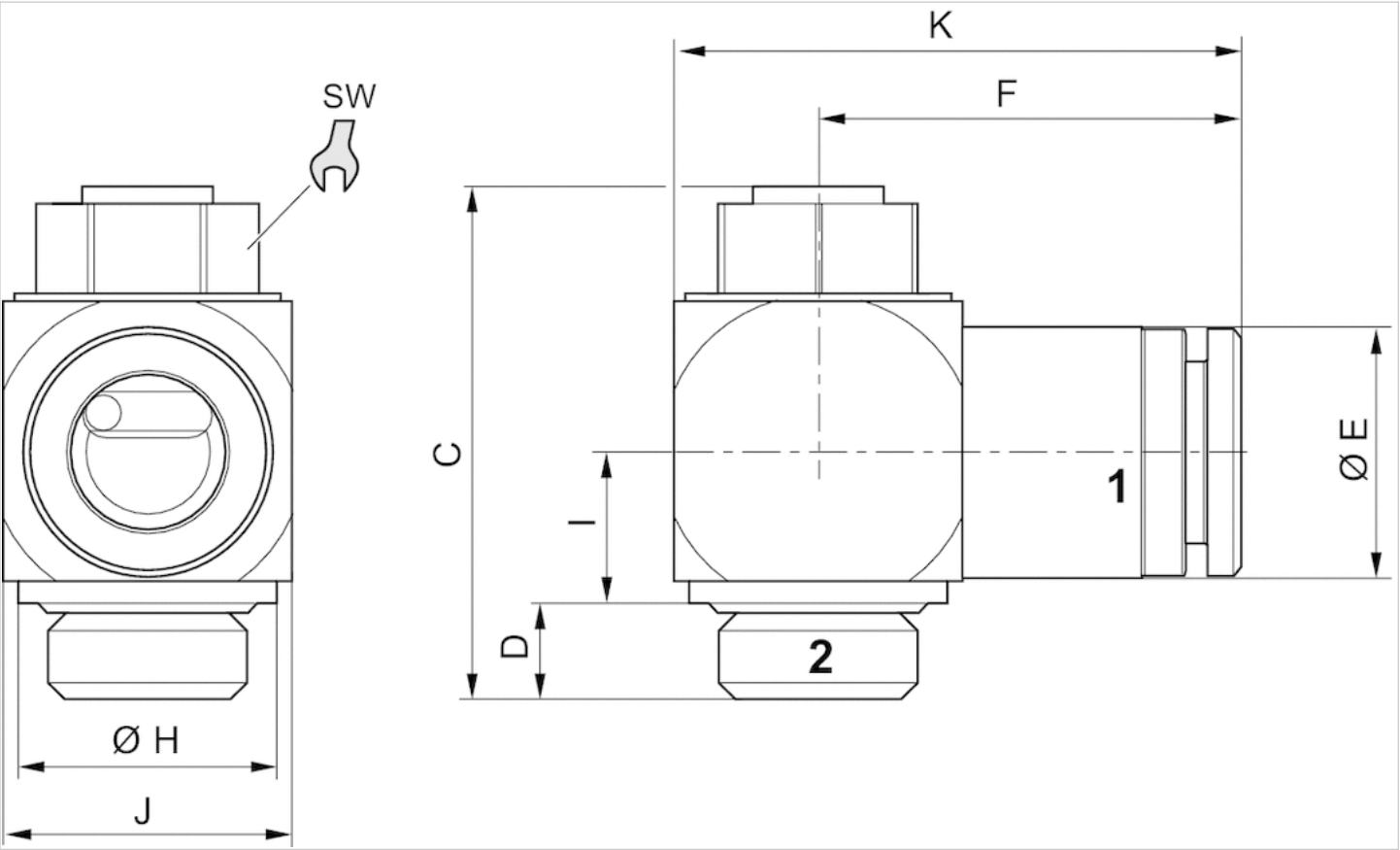
Nominal flow Q_n at 87 psi and $\Delta p = 14.5 \text{ psi}$

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	Port 1	Port 2	C	D	$\varnothing E$	F	$\varnothing H$	I	J	K	SW
R412004995	$\varnothing 6$	M5	21.8	3.9	10.45	16.9	8.5	6.3	10.5	21.7	7
0821200242	$\varnothing 6$	G 1/8	28.5	5.1	13	23.3	14	8	15	30.3	10
0821200246	$\varnothing 6$	G 1/4	33.6	6.2	16	25.8	17	9.8	19	35.3	13
0821200244	$\varnothing 8$	G 1/8	28.5	5.1	13.8	24.3	14	8	15	31.2	10
0821200247	$\varnothing 8$	G 1/4	33.6	6.2	16	26.2	17	9.8	19	35.7	13
0821200248	$\varnothing 8$	G 3/8	41	7.2	16	30.2	22	13.3	24	42.7	16
0821200253	$\varnothing 10$	G 1/4	33.6	6.2	16	27.9	17	9.8	19	37.4	13
0821200249	$\varnothing 10$	G 3/8	41	7.2	19	30.9	22	13.3	24	43.4	16
R412007432	$\varnothing 12$	G 3/8	41	7.2	22	33	22	13.3	24	45.5	16

Check-choke valve, Series CC02-AL

- $Q_n 1 \rightarrow 2 = 0.086-0.549 \text{ Cv}$
- direction of throttle $1 \rightarrow 2$
- inlet-side throttling
- push-in fitting / External thread



Working pressure min./max.

8 ... 145 psi

Ambient temperature min./max.

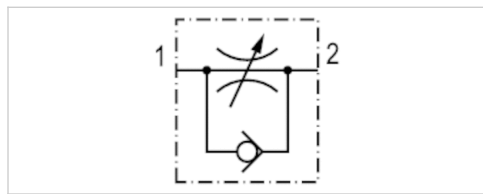
14 ... 158 °F

Medium temperature min./max.

14 ... 158 °F

Medium

Compressed air



Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	$Q_n 1 \rightarrow 2$
R412007942	Ø 4	G 1/8	3.5 mm	0.366 Cv
R412007861	Ø 6	M5	2 mm	0.086 Cv
0821200236	Ø 6	G 1/8	3.5 mm	0.366 Cv
0821200238	Ø 6	G 1/4	4.5 mm	0.549 Cv
0821200237	Ø 8	G 1/8	3.5 mm	0.366 Cv
0821200239	Ø 8	G 1/4	4.5 mm	0.549 Cv

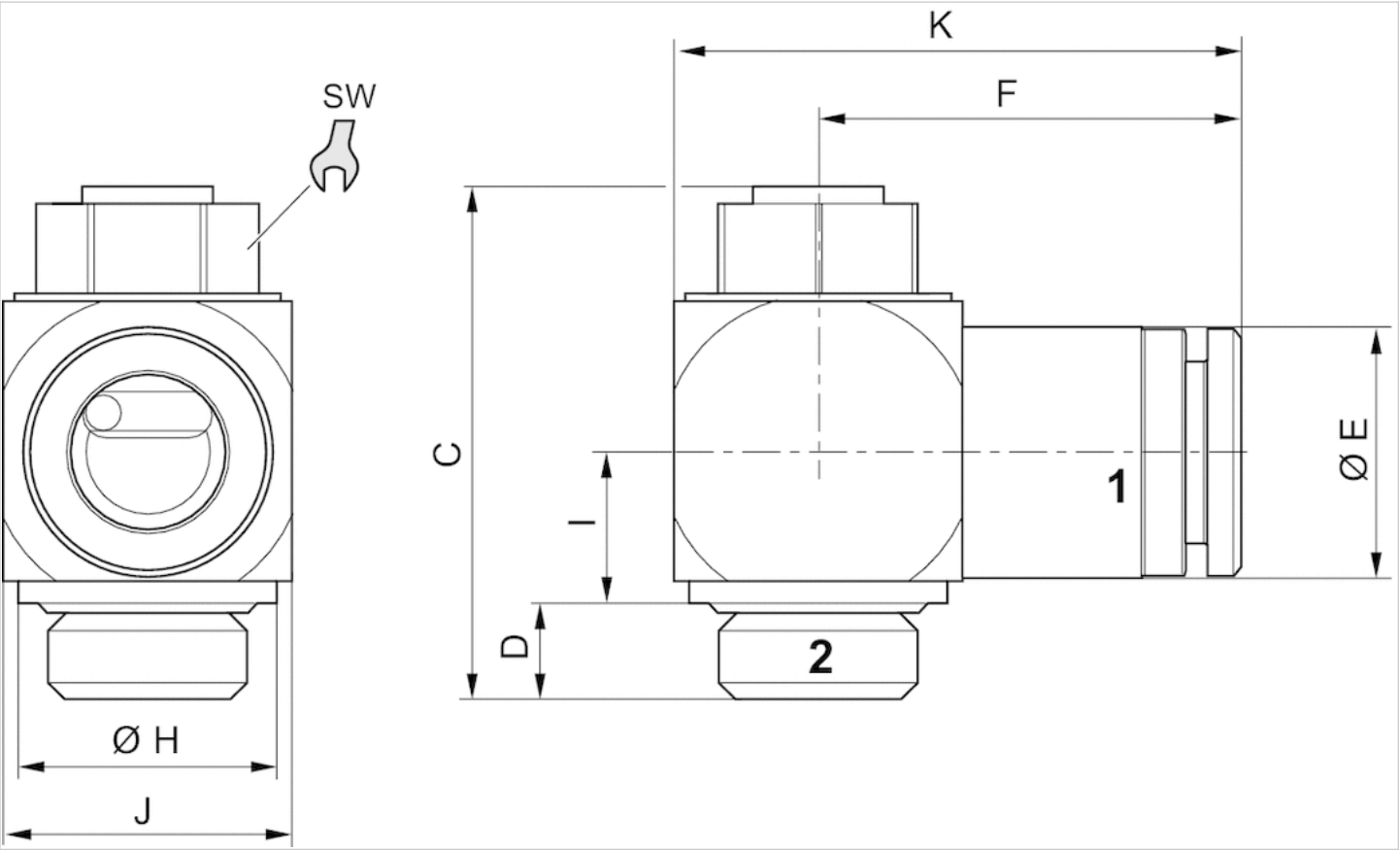
Nominal flow Q_n at 87 psi and $\Delta p = 14.5 \text{ psi}$

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	Port 1	Port 2	C	D	$\varnothing E$	F	$\varnothing H$	I	J	K	SW
R412007942	$\varnothing 4$	G 1/8	28.5	5.1	12	20.8	14	8	15	27.8	10
R412007861	$\varnothing 6$	M5	21.8	3.9	10.45	16.9	8.5	6.3	10.5	21.7	7
0821200236	$\varnothing 6$	G 1/8	28.5	5.1	13	23.3	14	8	15	30.3	10
0821200238	$\varnothing 6$	G 1/4	33.6	6.2	16	25.8	17	9.8	19	35.3	13
0821200237	$\varnothing 8$	G 1/8	28.5	5.1	13.8	24.3	14	8	15	31.2	10
0821200239	$\varnothing 8$	G 1/4	33.6	6.2	16	26.2	17	9.8	19	35.3	13

Check-choke valve, Series CC02-AL

- $Q_n 2 \rightarrow 1 = 0.086-0.915 \text{ Cv}$
- direction of throttle $2 \rightarrow 1$
- exhaust air throttling
- plug-in with tube nut / External thread



Working pressure min./max.

8 ... 145 psi

Ambient temperature min./max.

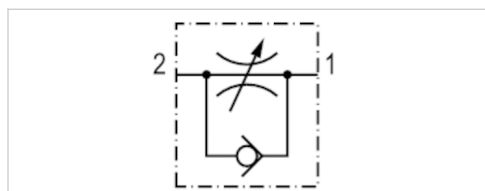
14 ... 158 °F

Medium temperature min./max.

14 ... 158 °F

Medium

Compressed air



Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	$Q_n 2 \rightarrow 1$
0821200117	Ø 3	M5	2 mm	0.086 Cv
R412026121	Ø 3x0,6	M5	2 mm	0.086 Cv
R412026120	Ø 4x1	M5	2 mm	0.086 Cv
R412026119	Ø 4x1	G 1/8	3.5 mm	0.366 Cv
0821200181	Ø 4x1	G 1/4	4.5 mm	0.549 Cv
R412004775	Ø6x1	G 1/8	3 mm	0.366 Cv
R412004776	Ø6x1	G 1/4	4.5 mm	0.549 Cv
0821200184	Ø6x1	G 3/8	6.6 mm	0.915 Cv
0821200185	Ø 9x1,5	G 3/8	6.6 mm	0.915 Cv

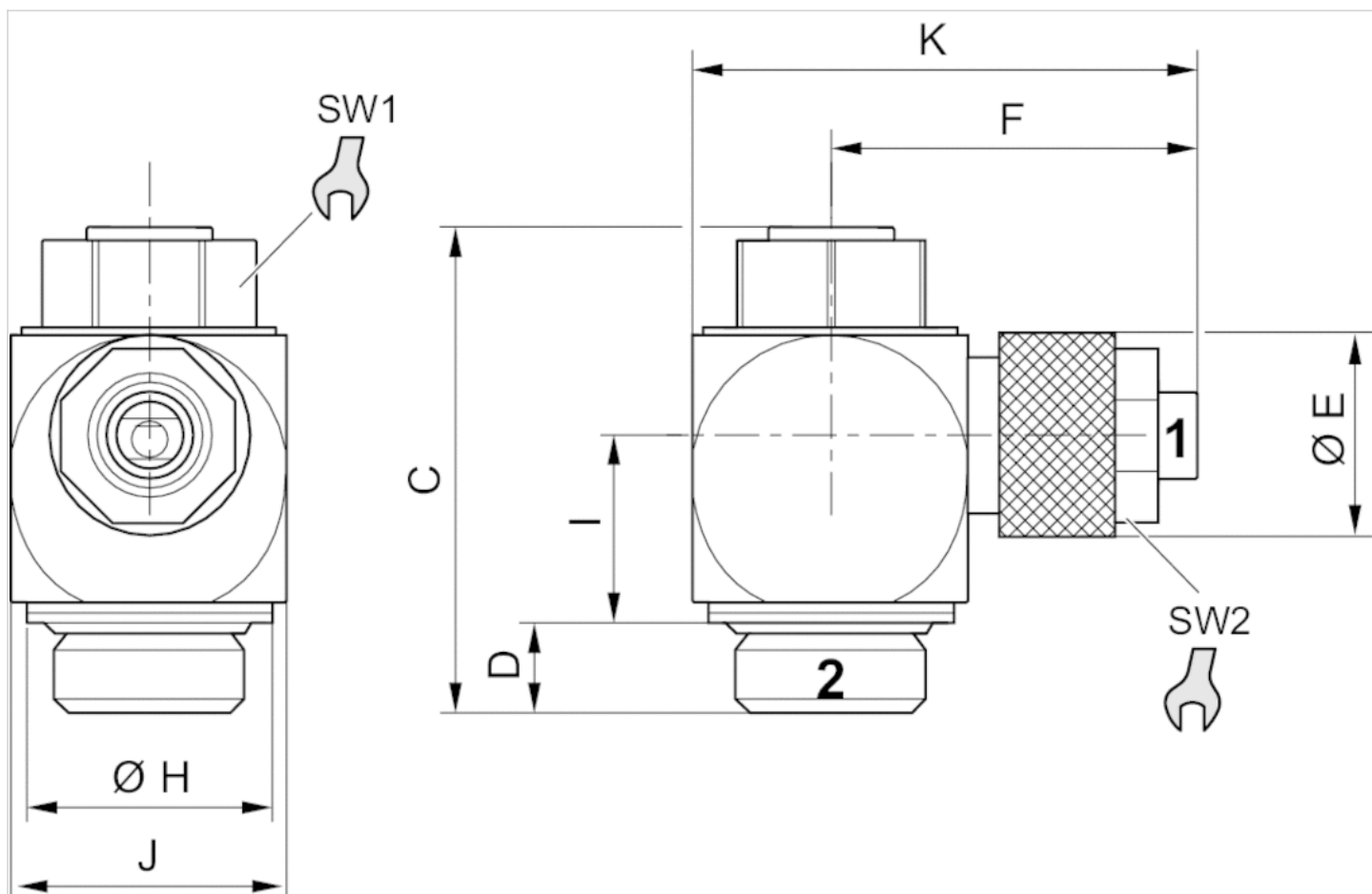
Nominal flow Q_n at 87 psi and $\Delta p = 14.5 \text{ psi}$, Port 1 = Pipe inside diameter x wall thickness

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	Port 1	Port 2	C	D	$\varnothing E$	F	$\varnothing H$	I	J	K	SW1	SW2
0821200117	$\varnothing 3$	M5	21.8	4.1	10	16	8.5	7.4	10	21.5	7	8
R412026121	$\varnothing 3 \times 0,6$	M5	21.8	4.1	10	16	8.5	7.4	10	21.5	7	8
R412026120	$\varnothing 4 \times 1$	M5	21.8	4.1	10	16	8.5	7.4	10	22	7	8
R412026119	$\varnothing 4 \times 1$	G 1/8	28.5	5.5	10	20	14	10.5	15	28	10	8
0821200181	$\varnothing 4 \times 1$	G 1/4	33.6	6.2	8	24.3	17	13	19	31.6	13	8
R412004775	$\varnothing 6 \times 1$	G 1/8	28.5	5.5	14	23.8	14	10.5	15	31.8	10	12
R412004776	$\varnothing 6 \times 1$	G 1/4	33.6	6.2	12	25.5	17	13	19	35.1	13	12
0821200184	$\varnothing 6 \times 1$	G 3/8	41	7.2	14	27.6	22	15.2	24	39.6	16	12
0821200185	$\varnothing 9 \times 1,5$	G 3/8	41	7.2	17	28.2	22	16.3	24	40.2	16	15

Check-choke valve, Series CC02-AL

- $Q_n 1 \rightarrow 2 = 0.086 \text{ Cv}$
- direction of throttle $1 \rightarrow 2$
- inlet-side throttling
- plug-in with tube nut / External thread



Working pressure min./max.

8 ... 145 psi

Ambient temperature min./max.

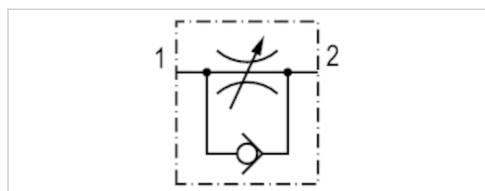
14 ... 158 °F

Medium temperature min./max.

14 ... 158 °F

Medium

Compressed air



Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	$Q_n 1 \rightarrow 2$
0821200118	Ø 3x0,65	M5	2 mm	0.086 Cv
R412026123	Ø 3x1	M5	2 mm	0.086 Cv
R412026122	Ø 4x1	M5	2 mm	0.086 Cv

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

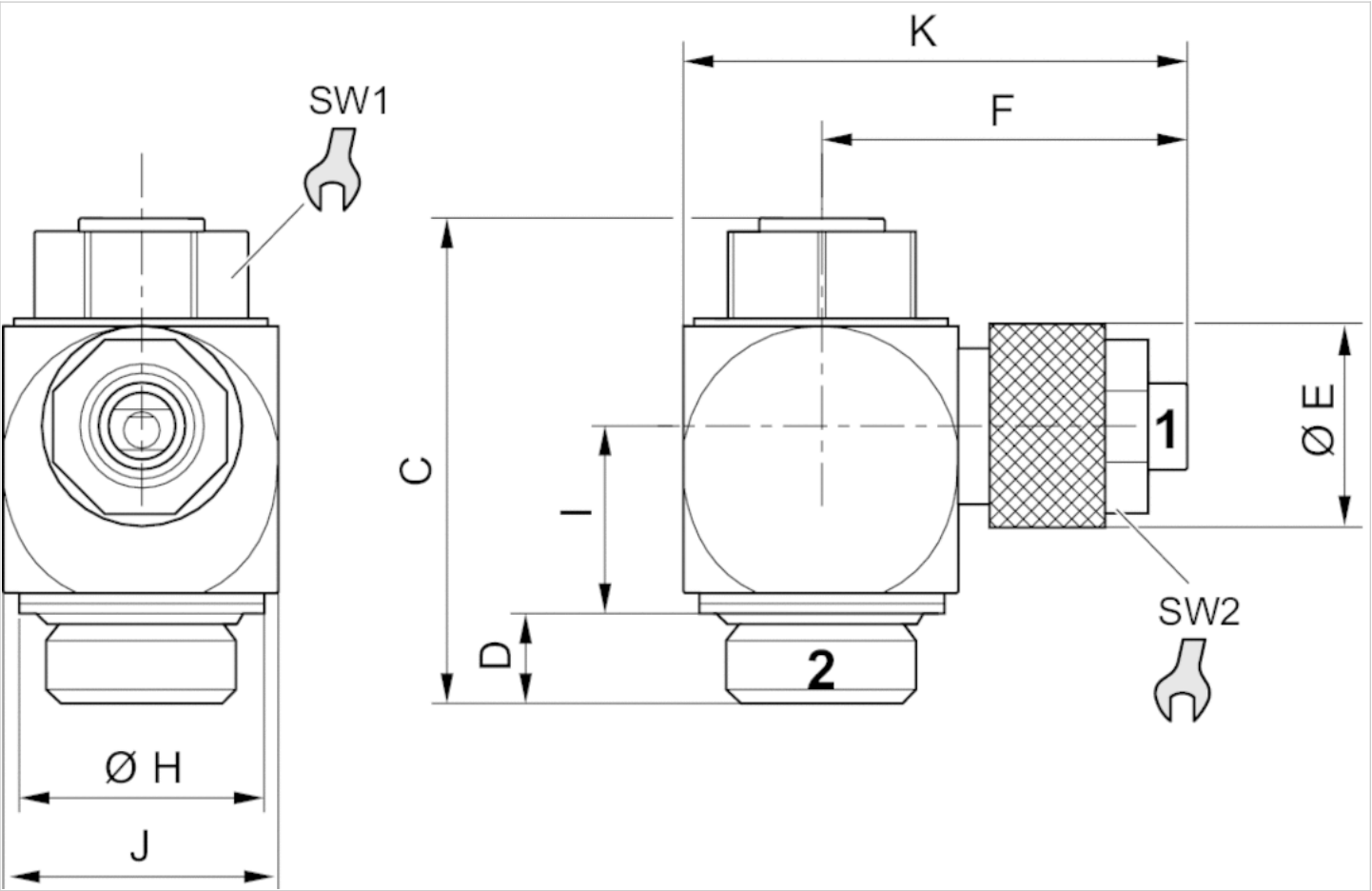
Port 1 = Pipe inside diameter x wall thickness

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

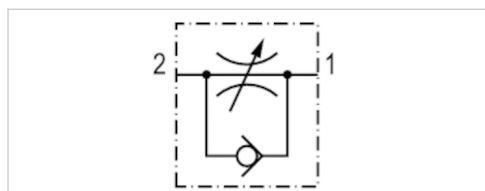
Part No.	Port 1	Port 2	C	D	ØE	F	ØH	I	J	K	SW1	SW2
0821200118	Ø 3x0,65	M5	21.8	4.1	10	16	8.5	7.4	10	21.5	7	8
R412026123	Ø 3x1	M5	21.8	4.1	10	16	8.5	7.4	10	21.5	7	8
R412026122	Ø 4x1	M5	21.8	4.1	10	16	8.5	7.4	10	22	7	8

Check-choke valve, Series CC02-AL

- $Q_n 2 \rightarrow 1 = 0.086-1.99 \text{ Cv}$
- direction of throttle $2 \rightarrow 1$
- exhaust air throttling
- Internal thread / External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	14 ... 158 °F
Medium temperature min./max.	14 ... 158 °F
Medium	Compressed air



Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	$Q_n 2 \rightarrow 1$
R412004833	M5	M5	2 mm	0.086 Cv
0821200204	G 1/8	G 1/8	3.5 mm	0.366 Cv
0821200205	G 1/4	G 1/4	4.5 mm	0.549 Cv
0821200206	G 3/8	G 3/8	6.6 mm	0.915 Cv
0821200207	G 1/2	G 1/2	10 mm	1.99 Cv

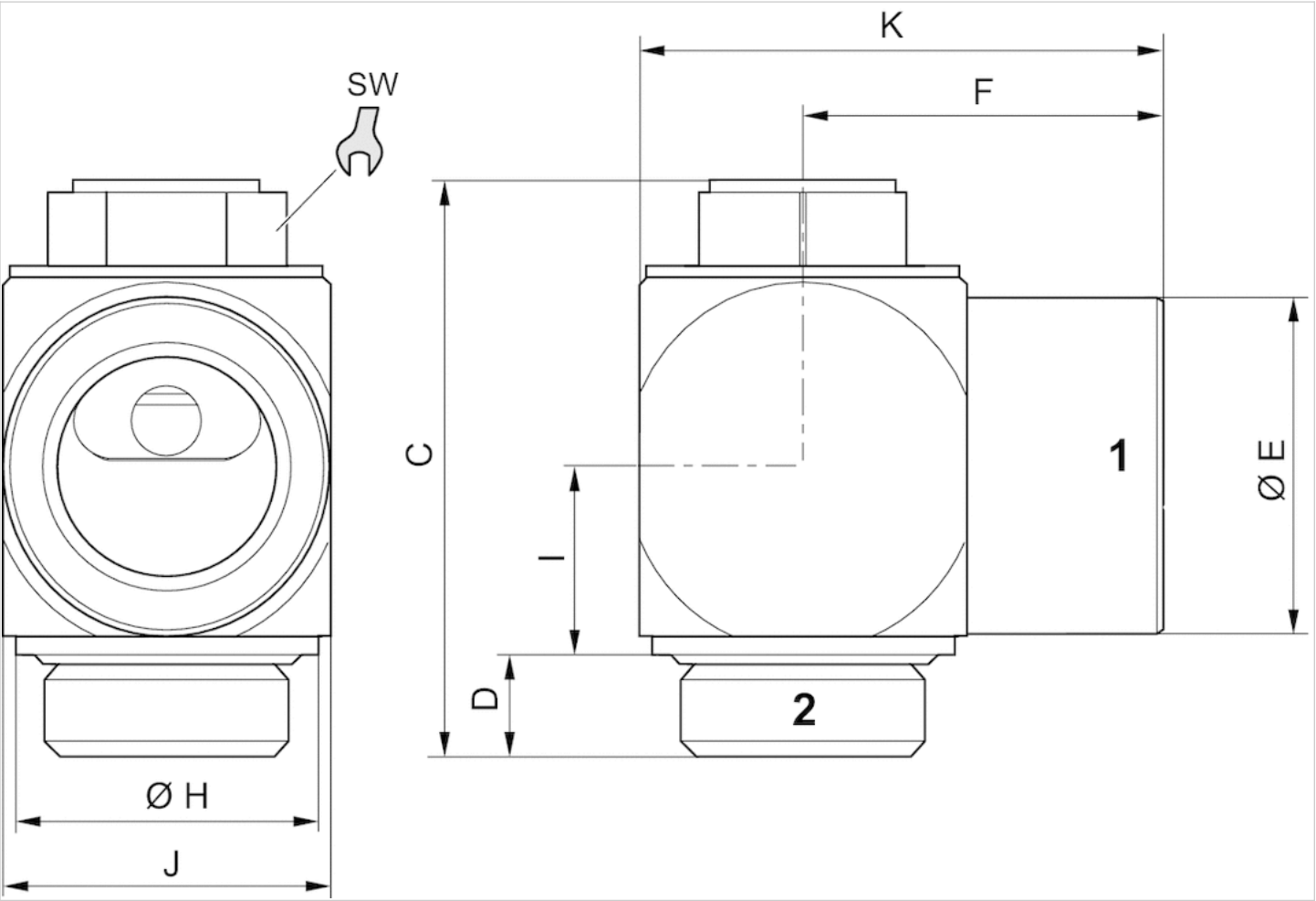
Nominal flow Q_n at 87 psi and $\Delta p = 14.5 \text{ psi}$

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions

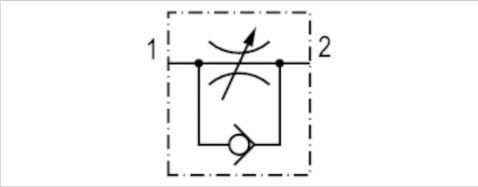


Dimensions

Part No.	Port 1	Port 2	C	D	ØE	F	ØH	I	J	K	SW
R412004833	M5	M5	21.8	4.1	8	10	8.5	5.8	9	15	7
0821200204	G 1/8	G 1/8	28.5	5.3	13	16.5	14	7.9	15	23.5	10
0821200205	G 1/4	G 1/4	33.6	6.2	16	18	17	9.5	19	28	13
0821200206	G 3/8	G 3/8	41	7.2	22	26	22	13.3	24	38	16
0821200207	G 1/2	G 1/2	47.8	8.5	28	31	26	15.7	28	45	18

Check-choke valve, Series CC02-AL

- Qn 1►2 = 0.086-0.549 Cv
- direction of throttle 1 ► 2
- inlet-side throttling
- Internal thread / External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	14 ... 158 °F
Medium temperature min./max.	14 ... 158 °F
Medium	Compressed air

Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	Qn 1►2
R412004836	M5	M5	2 mm	0.086 Cv
0821200201	G 1/8	G 1/8	3.5 mm	0.366 Cv
0821200202	G 1/4	G 1/4	4.5 mm	0.549 Cv

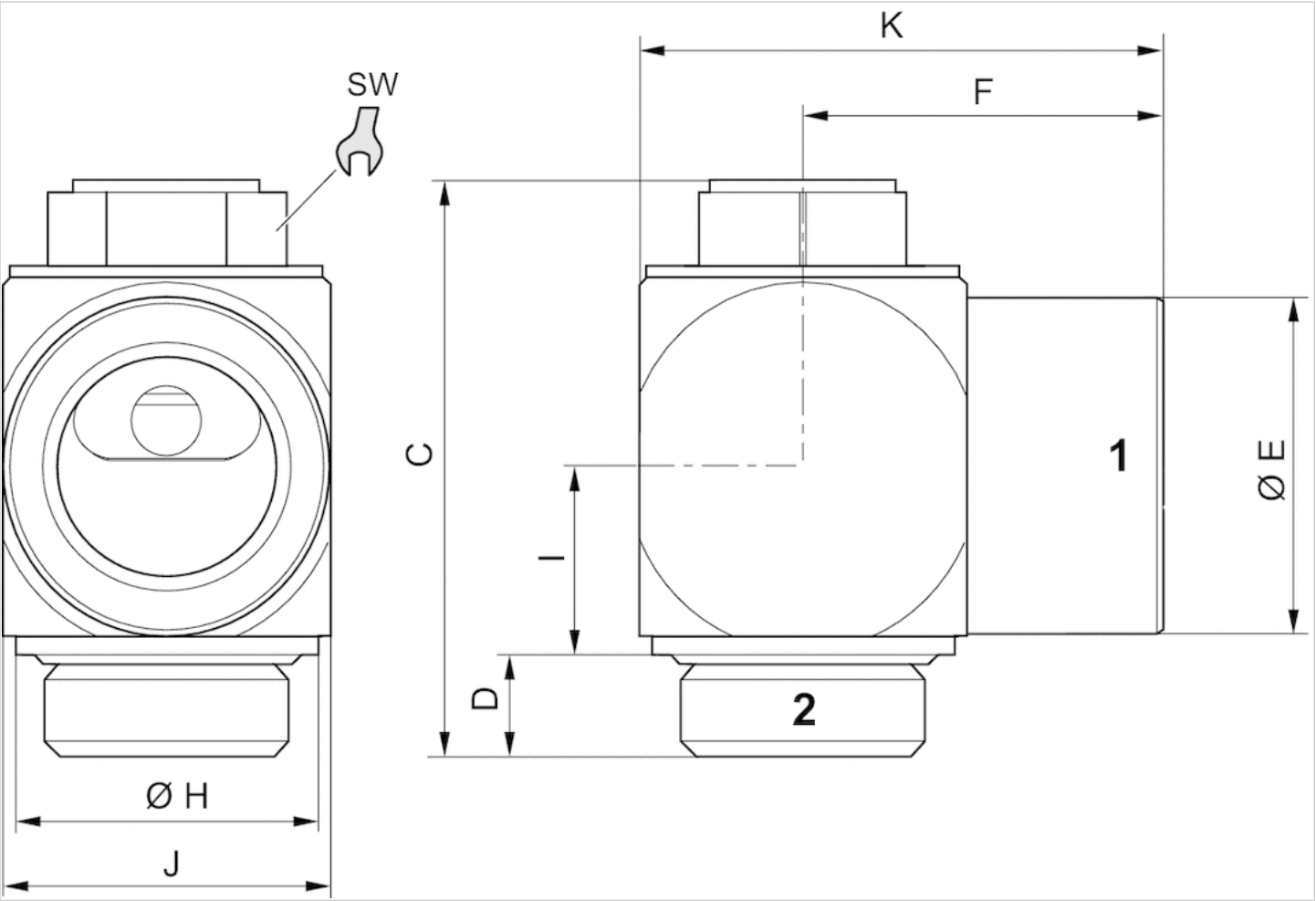
Nominal flow Qn at 87 psi and Δp = 14.5 psi

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions

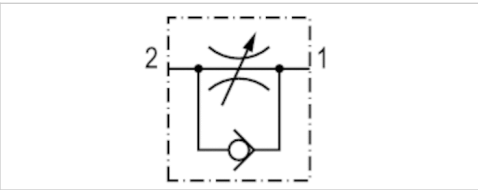


Dimensions

Part No.	Port 1	Port 2	C	D	ØE	F	ØH	I	J	K	SW
R412004836	M5	M5	21.8	4.1	8	10	8.5	5.8	9	15	7
0821200201	G 1/8	G 1/8	28.5	5.3	13	16.5	14	7.9	15	23.5	10
0821200202	G 1/4	G 1/4	33.6	6.2	16	18	17	9.5	19	28	13

Check-choke valve, Series CC02-AL

- Qn 2►1 = 0.366-0.549 Cv
- direction of throttle 2 ► 1
- exhaust air throttling
- push-in fitting / External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	14 ... 158 °F
Medium temperature min./max.	14 ... 158 °F
Medium	Compressed air

Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	Qn 2►1
R412007688	Ø 6	G 1/8	3.5 mm	0.366 Cv
R412007664	Ø 6	G 1/4	4.5 mm	0.549 Cv
R412007689	Ø 8	G 1/8	3.5 mm	0.366 Cv
R412007614	Ø 8	G 1/4	4.5 mm	0.549 Cv

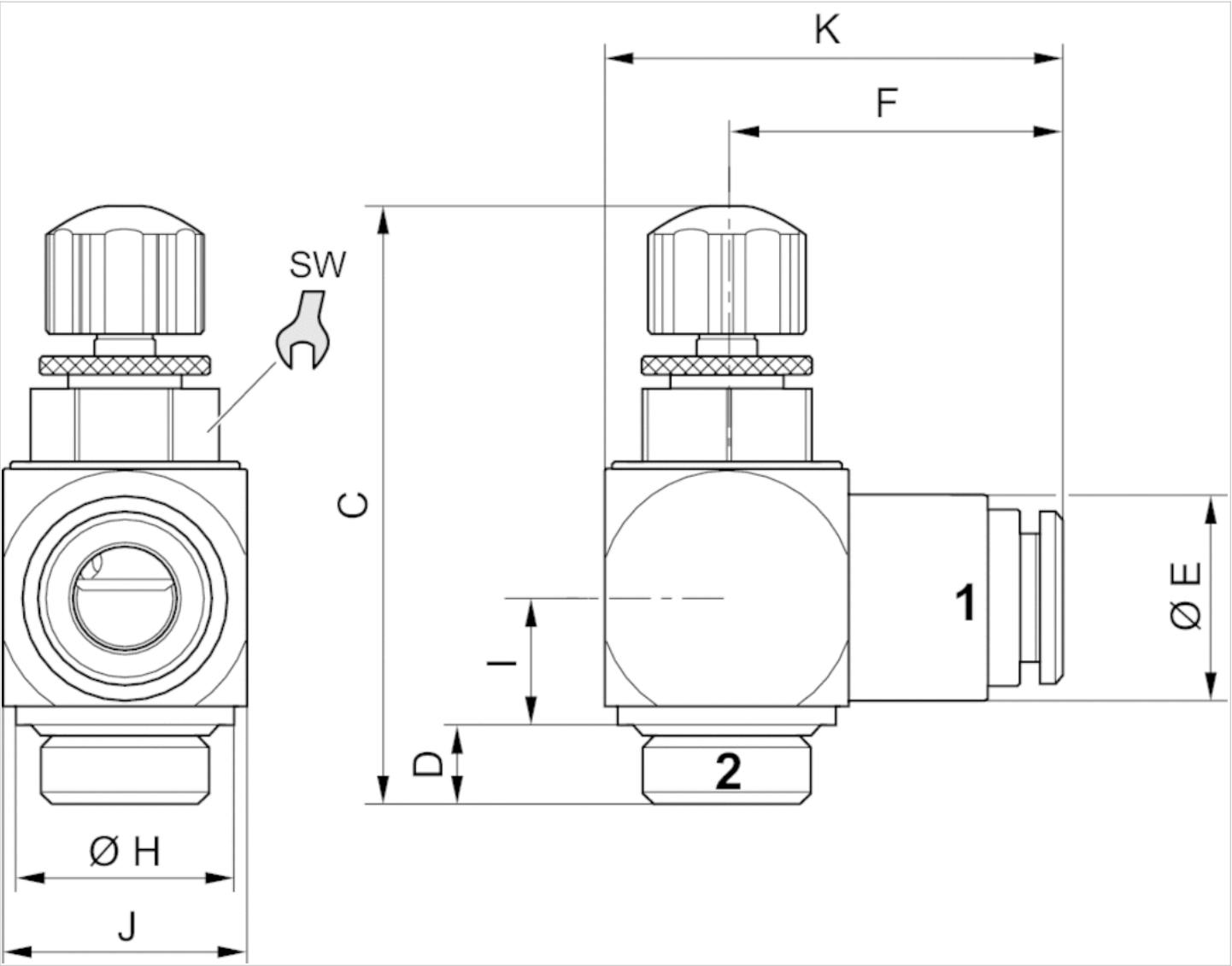
Nominal flow Qn at 87 psi and Δp = 14.5 psi

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

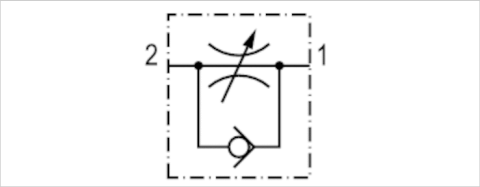
Part No.	Port 1	Port 2	C	D	ØE	F	ØH	I	J	K	SW
R412007688	Ø 6	G 1/8	41.2	5.1	13	23.3	14	8	15	30.2	10
R412007664	Ø 6	G 1/4	46.9	6.2	16	25.3	17	9.8	19	35.3	13
R412007689	Ø 8	G 1/8	41.2	5.1	13.8	24.3	14	8	15	31.2	10
R412007614	Ø 8	G 1/4	46.9	6.2	16	26.2	17	9.8	19	35.7	13

Check-choke valve, Series CC02-AL

- $Q_n 2 \rightarrow 1 = 0.366\text{-}0.549\text{ Cv}$
- direction of throttle $2 \rightarrow 1$
- exhaust air throttling
- push-in fitting / External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	14 ... 158 °F
Medium temperature min./max.	14 ... 158 °F
Medium	Compressed air



Technical data

Part No.	Port 1	Port 2	Throttle bore	Flow
			Ø	$Q_n 2 \rightarrow 1$
0821200241	Ø 4	G 1/8	3.5 mm	0.366 Cv
0821200243	Ø 6	G 1/8	3.5 mm	0.366 Cv
0821200245	Ø 6	G 1/4	4.5 mm	0.549 Cv

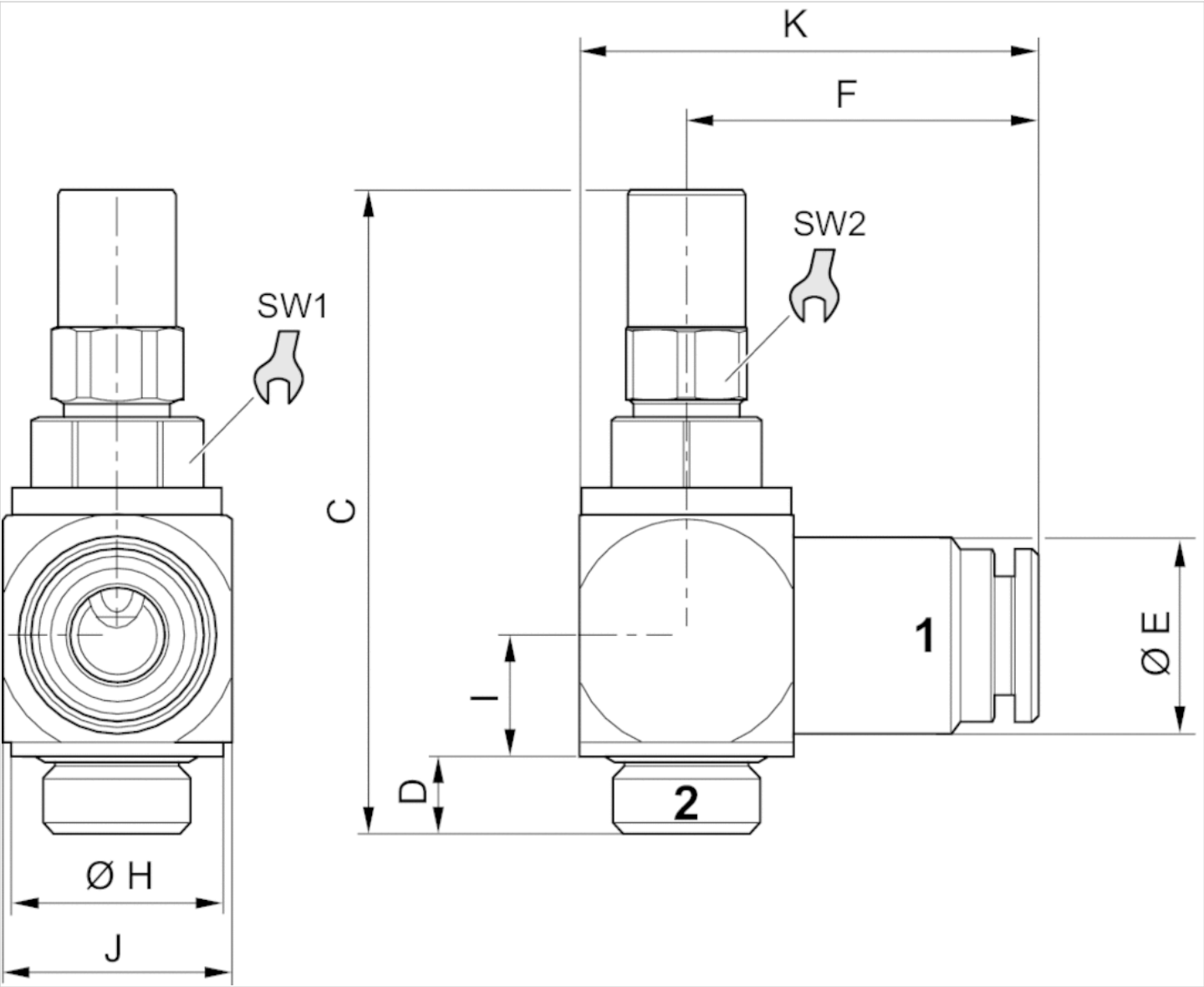
Nominal flow Q_n at 87 psi and $\Delta p = 14.5\text{ psi}$

Technical information

Material	
Housing	Aluminum
Flow control screw	Brass
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions



Dimensions

Part No.	Port 1	Port 2	C	D	$\varnothing E$	F	$\varnothing H$	I	J	K	SW1	SW2
0821200241	$\varnothing 4$	G 1/8	42.5	5.1	12	20.8	14	8	15	27.8	10	8
0821200243	$\varnothing 6$	G 1/8	42.5	5.1	13	23.3	14	8	15	30.3	10	8
0821200245	$\varnothing 6$	G 1/4	47.6	6.4	16	25.8	17	9.8	19	35.3	13	8

Series QR2-S, standard

- 1x banjo union
- G 1/8, G 1/4, G 3/8
- push-in fitting
- Ø 4, Ø 5, Ø 6, Ø 8, Ø 10, Ø 12
- QR2-S-RV1



Working pressure min./max.

-13 ... 232 psi

Ambient temperature min./max.

-4 ... 176 °F

Weight

See table below

Technical data

Part No.	Port G	Port D	Delivery unit	Weight
1823391585	G 1/8	Ø 4	10 piece	0.022 lbs
1823391586	G 1/8	Ø 5	10 piece	0.026 lbs
1823391587	G 1/8	Ø 6	10 piece	0.029 lbs
1823391588	G 1/8	Ø 8	10 piece	0.04 lbs
1823391589	G 1/4	Ø 6	10 piece	0.04 lbs
1823391590	G 1/4	Ø 8	10 piece	0.046 lbs
1823391591	G 1/4	Ø 10	5 piece	0.055 lbs
1823391592	G 3/8	Ø 8	5 piece	0.06 lbs
1823391593	G 3/8	Ø 10	5 piece	0.07 lbs
1823391594	G 3/8	Ø 12	5 piece	0.095 lbs

Weight per piece

Technical information

The series QR1 (plastic) and QR2 (metal) can not be combined

For further information about assembling and tolerances of adaptable tubing can be found in the "Technical information" document (available in the MediaCentre).

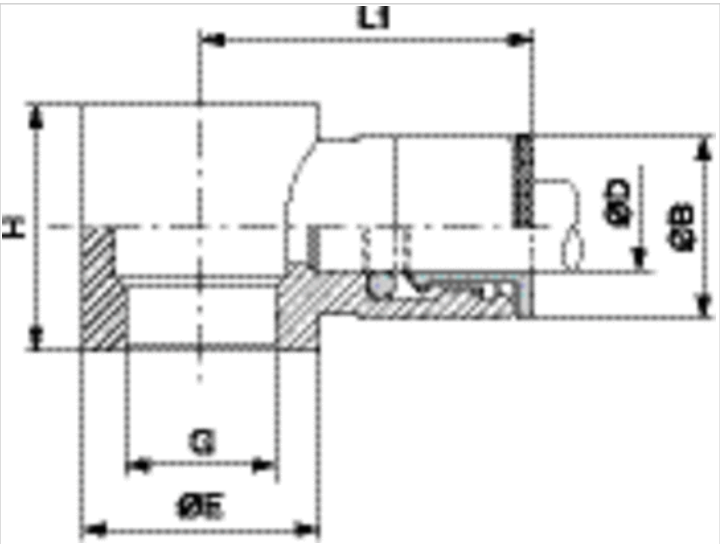
Technical information

Material	
Housing	Brass, nickel-plated
Seal	Acrylonitrile butadiene rubber

Material	
Tooth lock washer	Stainless steel
Release ring	Brass, nickel-plated

Dimensions

Dimensions



Dimensions

Part No.	Port D	Port G	Ø B	Ø E	H	L1
1823391585	Ø 4	G 1/8	9	14	15	21
1823391586	Ø 5	G 1/8	10	14	15	22.5
1823391587	Ø 6	G 1/8	11	14	15	23
1823391588	Ø 8	G 1/8	13	14	15	24.5
1823391589	Ø 6	G 1/4	11	18	17	24
1823391590	Ø 8	G 1/4	13	18	17	26
1823391591	Ø 10	G 1/4	15	18	17	27
1823391592	Ø 8	G 3/8	13	21	20	28
1823391593	Ø 10	G 3/8	15	21	20	29
1823391594	Ø 12	G 3/8	17	21	20	30