

Check-choke valve, stainless steel, Series CC02-SL

- $Q_n 2 \rightarrow 1 = 0.051-1.02 \text{ Cv}$
- direction of throttle $2 \rightarrow 1$
- exhaust air throttling
- push-in fitting / External thread
- Heat resistant



Working pressure min./max.

8 ... 145 psi

Ambient temperature min./max.

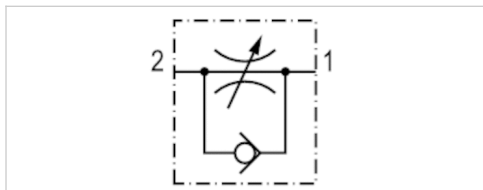
32 ... 302 °F

Medium temperature min./max.

32 ... 302 °F

Medium

Compressed air



Technical data

Part No.	Port 1	Port 2	Flow	Delivery unit	Fig.
			$Q_n 2 \rightarrow 1$		
R412024736	Ø 4	M5	0.051 Cv	1 piece	Fig. 1
R412024737	Ø 4	G 1/8	0.152 Cv	1 piece	Fig. 2
R412024738	Ø 6	G 1/8	0.193 Cv	1 piece	Fig. 3
R412024739	Ø 8	G 1/8	0.203 Cv	1 piece	Fig. 4
R412024740	Ø 6	G 1/4	0.376 Cv	1 piece	Fig. 5
R412024741	Ø 8	G 1/4	0.427 Cv	1 piece	Fig. 6
R412024742	Ø 10	G 3/8	1.02 Cv	1 piece	Fig. 7

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

Technical information

Materials according to AISI/FDA:

Housing ▶ Stainless steel AISI 316L (1.4404)

Flow control screw ▶ Stainless steel AISI 316L (1.4404)

Seal ▶ FPM (FDA-compliant)

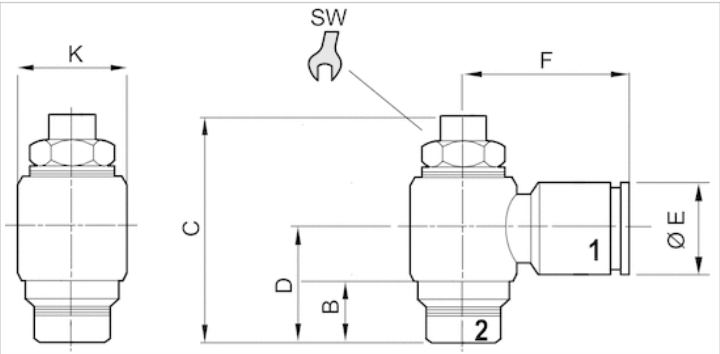
Stainless steel connection ▶ AISI 316L (1.4404)

Technical information

Material	
Housing	Stainless steel
Flow control screw	Stainless steel
Seals	Fluorocaoutchouc

Dimensions

Dimensions

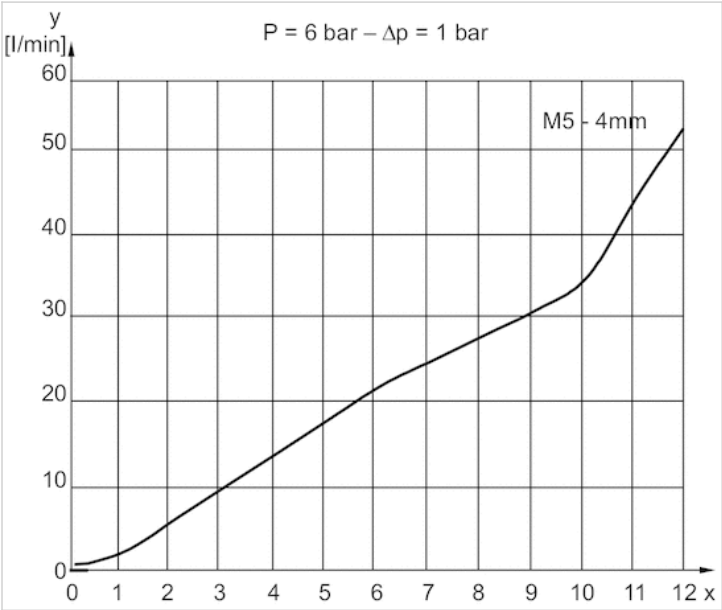


Dimensions

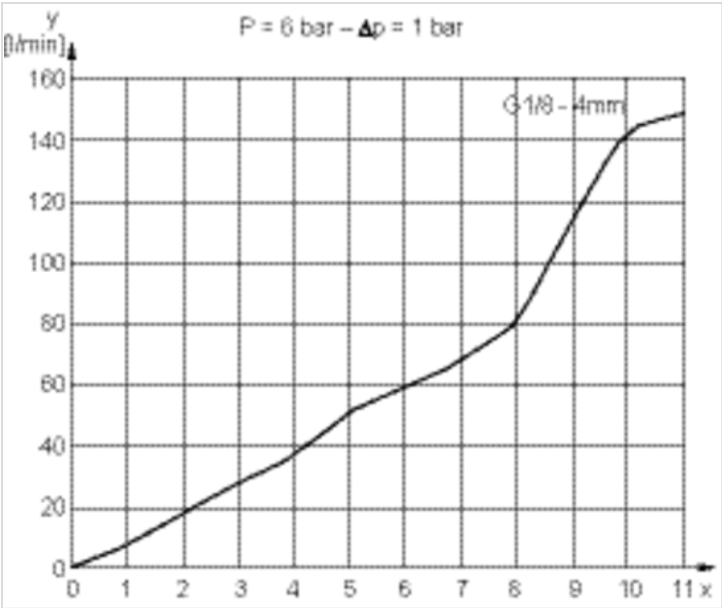
Part No.	Port 1	Port 2	B	C	D	ØE	F	ØK	SW
R412024736	Ø 4	M5	5	28.5	12.5	9	18	10	6
R412024737	Ø 4	G 1/8	5	32	15.5	9	19.5	14	9
R412024738	Ø 6	G 1/8	5	32	15.5	12	22	14	9
R412024739	Ø 8	G 1/8	5	32	15.5	14	22.5	14	9
R412024740	Ø 6	G 1/4	6.5	40	17.5	12	23.5	17	10
R412024741	Ø 8	G 1/4	6.5	40	17.5	14	24	17	10
R412024742	Ø 10	G 3/8	9	52	22	16	28	22	14

Diagrams

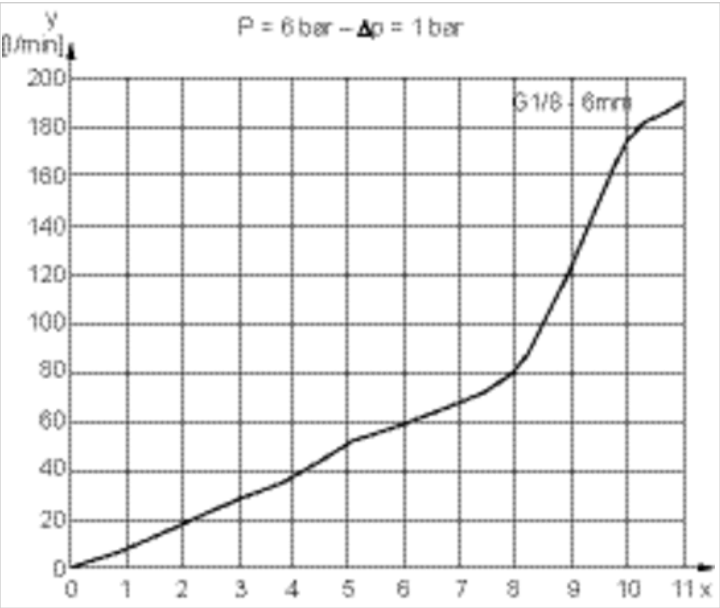
Flow diagram Fig. 1



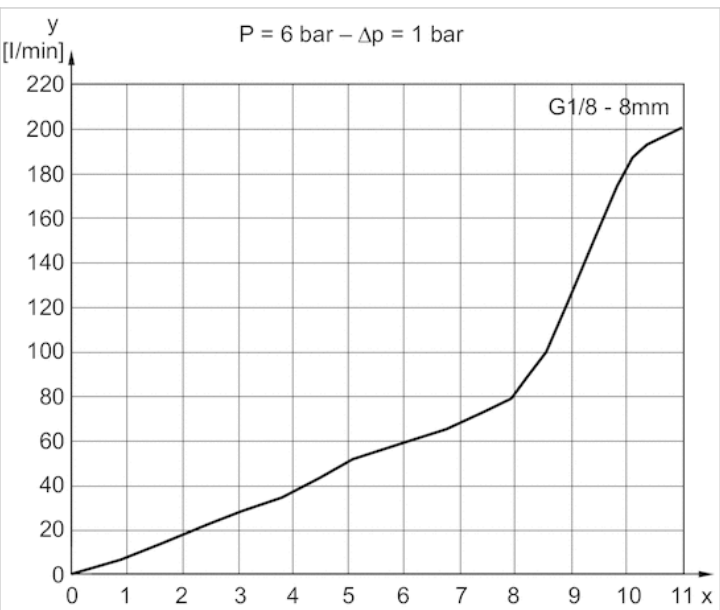
Flow diagram Fig. 2



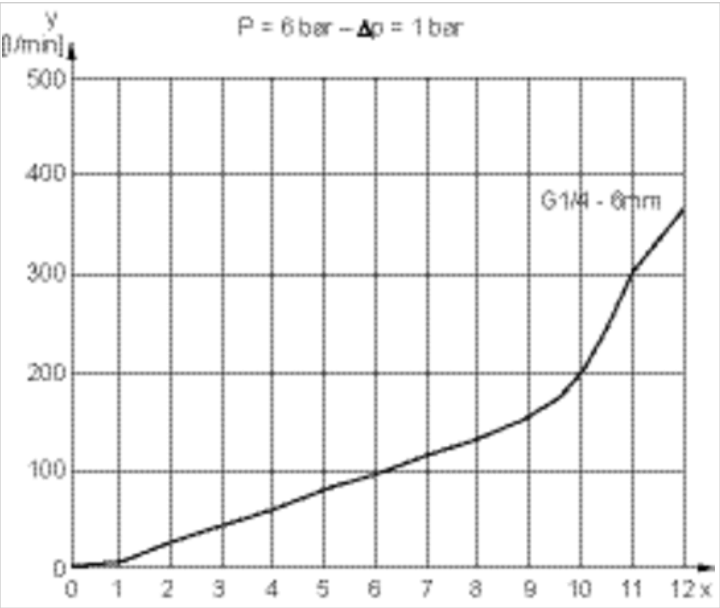
Flow diagram Fig. 3



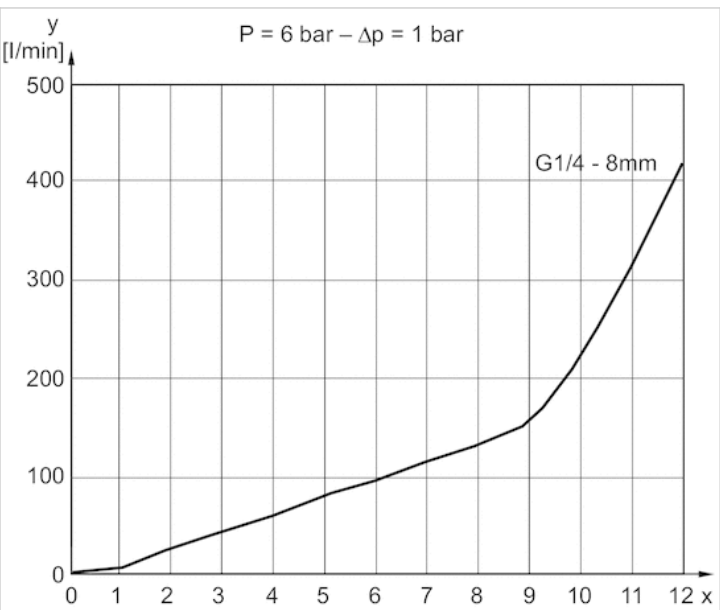
Flow diagram Fig. 4



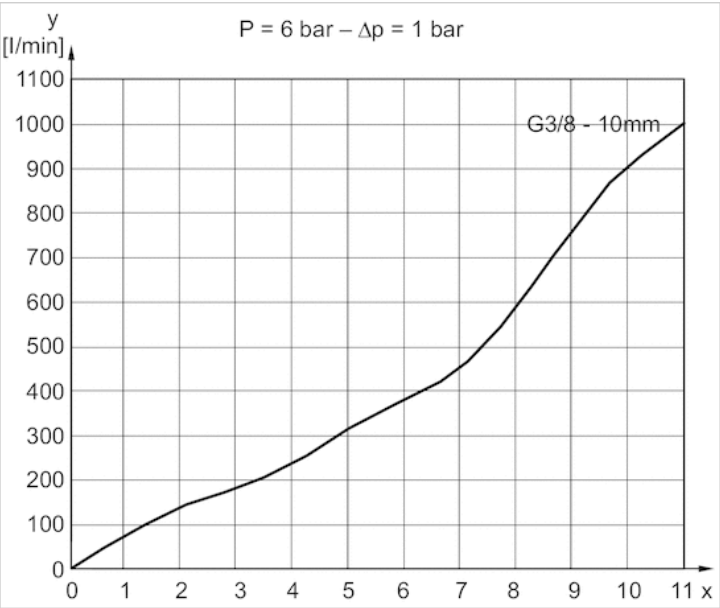
Flow diagram Fig. 5



Flow diagram Fig. 6



Flow diagram Fig. 7



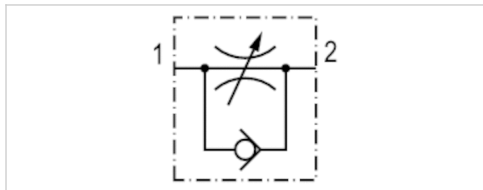
Check-choke valve, stainless steel, Series CC02-SL

- $Q_n 1 \rightarrow 2 = 0.152-1.02 \text{ Cv}$
- direction of throttle $1 \rightarrow 2$
- inlet-side throttling
- push-in fitting / External thread
- Heat resistant



Working pressure min./max.
Ambient temperature min./max.
Medium temperature min./max.
Medium

8 ... 145 psi
32 ... 302 °F
32 ... 302 °F
Compressed air



Technical data

Part No.	Port 1	Port 2	Flow	Delivery unit	Fig.
			$Q_n 1 \rightarrow 2$		
R412024749	Ø 4	G 1/8	0.152 Cv	1 piece	Fig. 1
R412024750	Ø 6	G 1/8	0.193 Cv	1 piece	Fig. 2
R412024751	Ø 6	G 1/4	0.376 Cv	1 piece	Fig. 3
R412024752	Ø 8	G 1/4	0.427 Cv	1 piece	Fig. 4
R412024753	Ø 10	G 3/8	1.02 Cv	1 piece	Fig. 5

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

Technical information

Materials according to AISI/FDA:

Housing ▶ Stainless steel AISI 316L (1.4404)

Flow control screw ▶ Stainless steel AISI 316L (1.4404)

Seal ▶ FPM (FDA-compliant)

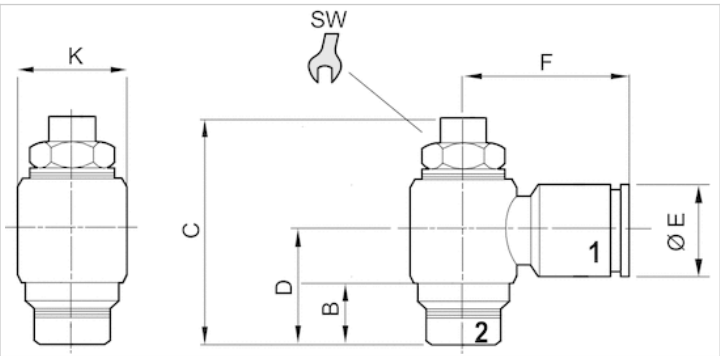
Stainless steel connection ▶ AISI 316L (1.4404)

Technical information

Material	
Housing	Stainless steel
Flow control screw	Stainless steel
Seals	Fluorocaoutchouc

Dimensions

Dimensions

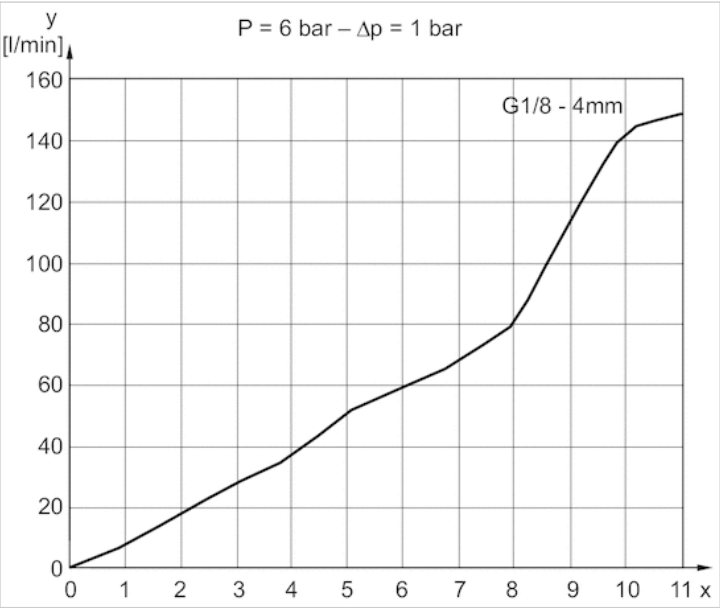


Dimensions

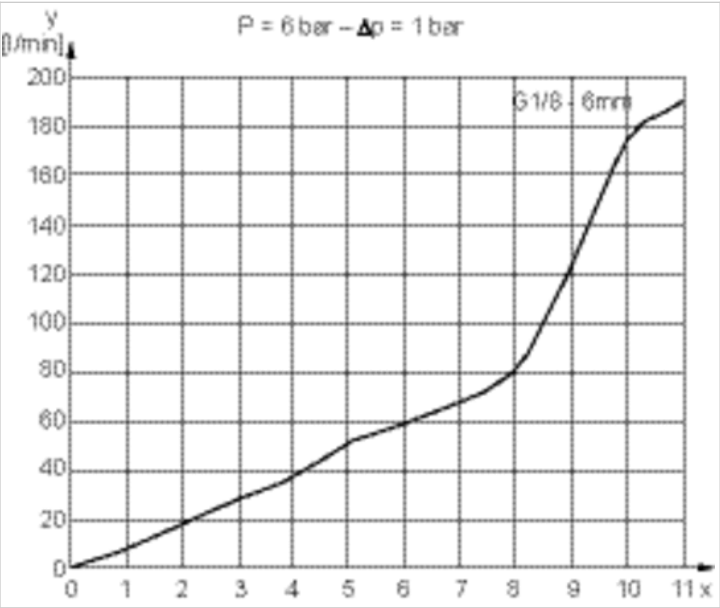
Part No.	Port 1	Port 2	B	C	D	ØE	F	ØK	SW
R412024749	Ø 4	G 1/8	5	32	15.5	9	19.5	14	9
R412024750	Ø 6	G 1/8	5	32	15.5	12	22	14	9
R412024751	Ø 6	G 1/4	6.5	40	17.5	12	23.5	17	10
R412024752	Ø 8	G 1/4	6.5	40	17.5	14	24	17	10
R412024753	Ø 10	G 3/8	9	52	22	16	28	22	14

Diagrams

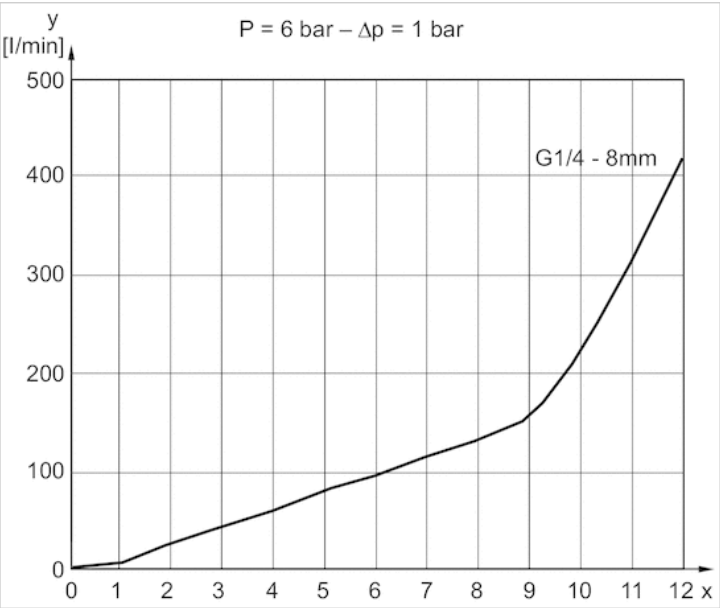
Flow diagram Fig. 1



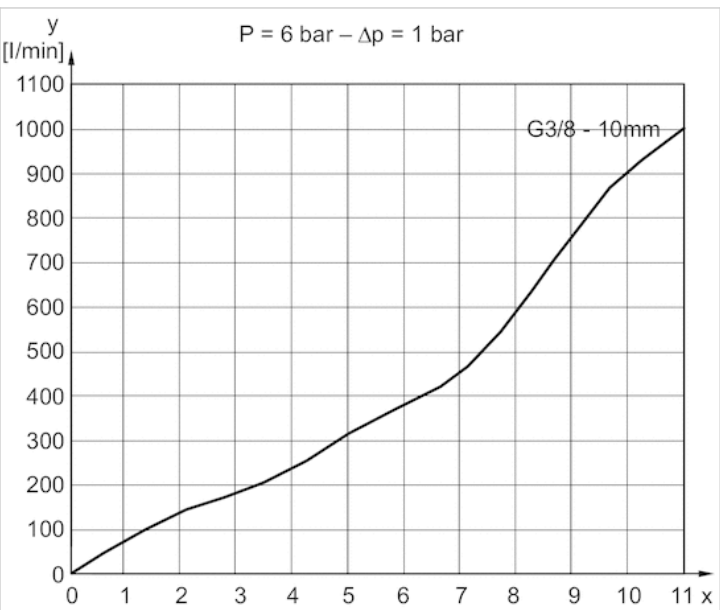
Flow diagram Fig. 3



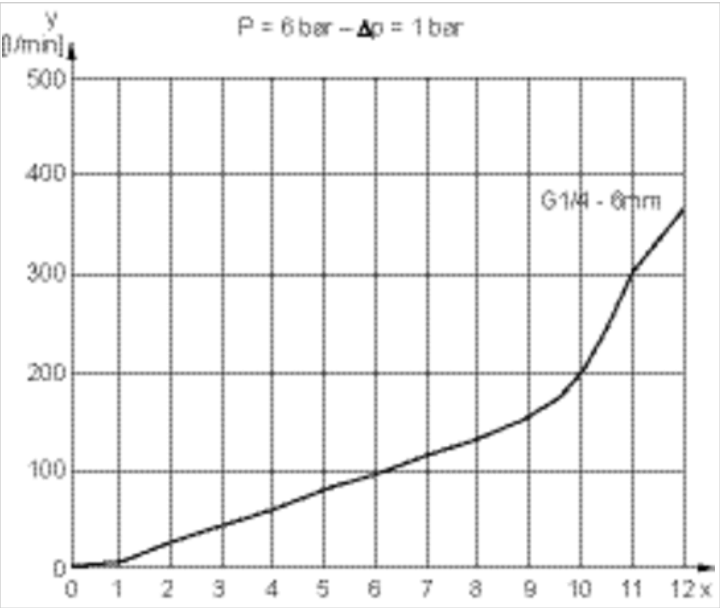
Flow diagram Fig. 4



Flow diagram Fig. 5

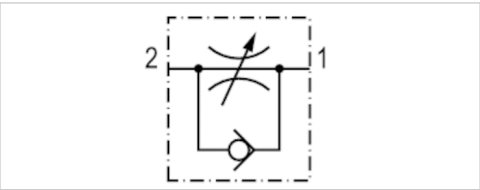


Flow diagram Fig. 5



Check-choke valve, stainless steel, Series CC02-SL

- $Q_n 2 \triangleright 1 = 0.356\text{-}0.61\text{ Cv}$
- direction of throttle $2 \triangleright 1$
- exhaust air throttling
- External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	-4 ... 302 °F
Medium temperature min./max.	-4 ... 392 °F
Medium	Compressed air
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 2	Throttle bore	Flow	Weight
		Ø	$Q_n 2 \triangleright 1$	
R412004980	G 1/8	3 mm	0.356 Cv	0.04 lbs
R412004981	G 1/4	4.5 mm	0.61 Cv	0.073 lbs

Nominal flow Q_n at 87 psi and $\Delta p = 14.5\text{ psi}$
 Delivery contents: Metal ring and sealing ring are enclosed separately

Technical information

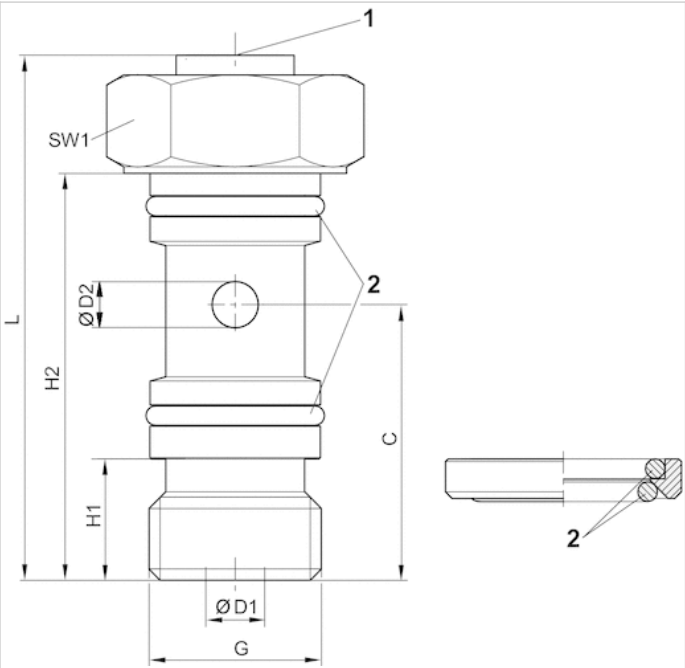
Only applicable in combination with banjo union (see accessories)

Technical information

Material	
Housing	Stainless steel
Flow control screw	Stainless steel
Seals	Fluorocaoutchouc

Dimensions

Dimensions



- 1) Slot in throttle screw 1 mm
- 2) Sealing ring

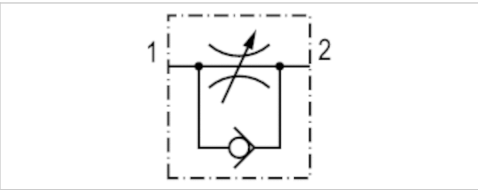
Dimensions

Part No.	G	Ø D1	Ø D2	H1	H2	L 1)	C	SW1
R412004980	G 1/8	3	3	7.8	25	32	17.5	14
R412004981	G 1/4	4.5	3.5	9.25	31	40	21	17

1) Max.

Check-choke valve, stainless steel, Series CC02-SL

- Qn 1►2 = 0.356-0.61 Cv
- direction of throttle 1 ► 2
- inlet-side throttling
- External thread



Working pressure min./max.	8 ... 145 psi
Ambient temperature min./max.	-4 ... 302 °F
Medium temperature min./max.	-4 ... 392 °F
Medium	Compressed air
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 2	Throttle bore	Flow	Weight
		Ø	Qn 1►2	
R412010456	G 1/8	3 mm	0.356 Cv	0.04 lbs
R412010457	G 1/4	3.5 mm	0.61 Cv	0.073 lbs

Nominal flow Qn at 87 psi and Δp = 14.5 psi
 Delivery contents: Metal ring and sealing ring are enclosed separately

Technical information

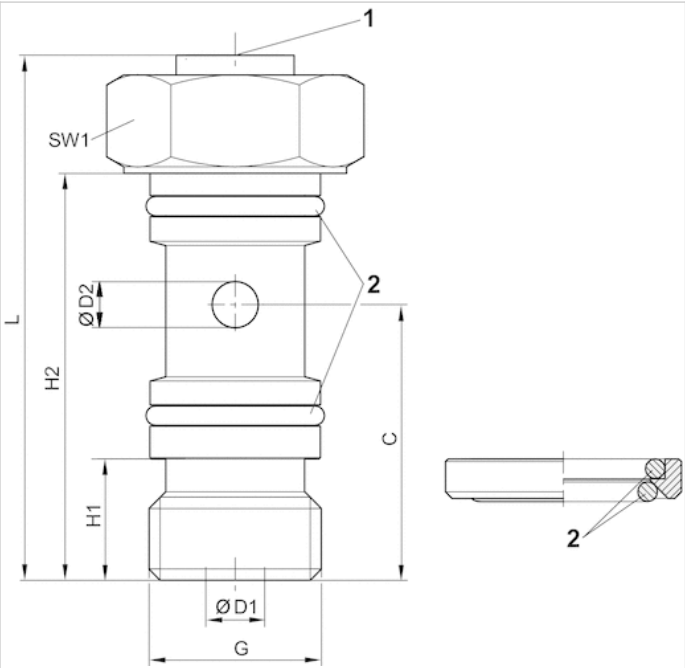
Only applicable in combination with banjo union (see accessories)

Technical information

Material	
Housing	Stainless steel
Flow control screw	Stainless steel
Seals	Fluorocaoutchouc

Dimensions

Dimensions



- 1) Slot in throttle screw 1 mm
- 2) Sealing ring

Dimensions

Part No.	G	Ø D1	Ø D2	H1	H2	L 1)	C	SW1
R412010456	G 1/8	3	3	6	25	32	17.5	14
R412010457	G 1/4	3.5	3.5	9.25	31	40	21	17

1) Max.

Series QR2-C, stainless steel

- 1x banjo union
- G 1/8, G 1/4
- push-in fitting
- Ø 4, Ø 6, Ø 8
- QR2-C-RV1
- suitable for use in food processing



Working pressure min./max.

-13 ... 232 psi

Ambient temperature min./max.

-4 ... 302 °F

Weight

See table below

Technical data

Part No.	Port G	Port D	Delivery unit	Weight
R412004973	G 1/8	Ø 4	2 piece	0.029 lbs
R412004974	G 1/8	Ø 6	2 piece	0.035 lbs
R412004975	G 1/8	Ø 8	2 piece	0.037 lbs
R412004976	G 1/4	Ø 6	2 piece	0.042 lbs
R412004977	G 1/4	Ø 8	2 piece	0.044 lbs

Weight per piece

Technical information

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

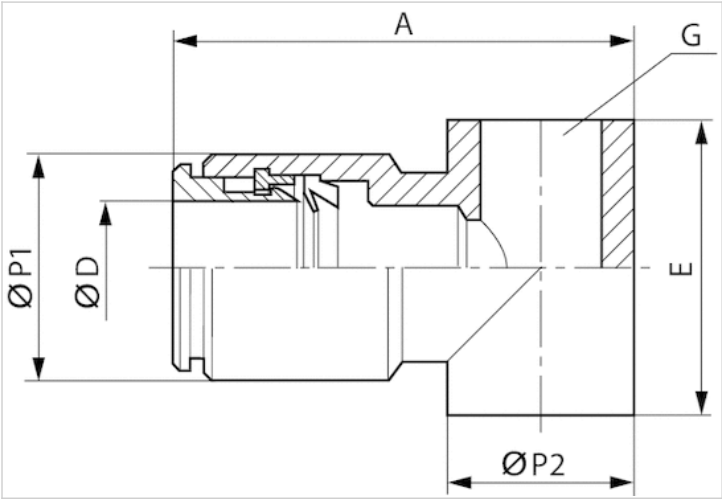
For further information about assembling and tolerances of adaptable tubing can be found in the "Technical information" document (available in the MediaCentre).

Technical information

Material	
Housing	Stainless steel
Seal	Fluorocaoutchouc
Tooth lock washer	Stainless steel
Release ring	Stainless steel

Dimensions

Dimensions



Dimensions

Part No.	Port D	Port G	A	E	Ø P1	Ø P2
R412004973	Ø 4	G 1/8	27	15	9	14
R412004974	Ø 6	G 1/8	29	15	12	14
R412004975	Ø 8	G 1/8	29.5	15	14	14
R412004976	Ø 6	G 1/4	32.5	17	12	18
R412004977	Ø 8	G 1/4	33	17	14	18