

Flow and check valves → Check-choke valves

Check-choke valve, Series CC04

► Qn = 70 - 1850 l/min ► direction of throttle: 2 → 1 ► exhaust air throttling ► push-in fitting - external thread



16400

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

0.5 bar / 10 bar
+0°C / +60°C
+0°C / +60°C
Compressed air

Materials:

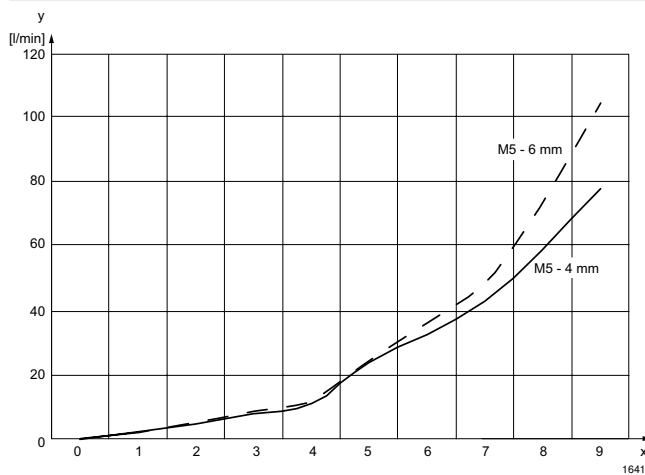
Housing
Seal
Port

Polyamide
Acrylonitrile Butadiene Rubber
Brass, nickel-plated

	Port 1	Port 2	Throttle bore Ø	Qn 2 → 1	Weight	Fig.	Part No.
			[mm]	[l/min]	[kg]		
	Ø 4	M5	2	70	0.005	Fig. 1	R412010564
	Ø 6	M5	2	110	0.005	Fig. 1	R412010565
	Ø 4	G 1/8	3.5	150	0.017	Fig. 2	R412010568
	Ø 6	G 1/8	3.5	390	0.018	Fig. 2	R412010569
	Ø 8	G 1/8	3.5	470	0.019	Fig. 2	R412010570
	Ø 6	G 1/4	4.5	390	0.035	Fig. 3	R412010571
	Ø 8	G 1/4	4.5	490	0.036	Fig. 3	R412010572
	Ø 10	G 1/4	4.5	520	0.039	Fig. 3	R412010573
	Ø 8	G 3/8	6.6	860	0.035	Fig. 4	R412010574
	Ø 10	G 3/8	6.6	900	0.036	Fig. 4	R412010575
	Ø 12	G 3/8	6.6	960	0.039	Fig. 4	R412010576
	Ø 10	G 1/2	6.6	1530	0.045	Fig. 5	R412010577
	Ø 12	G 1/2	6.6	1850	0.049	Fig. 5	R412010578

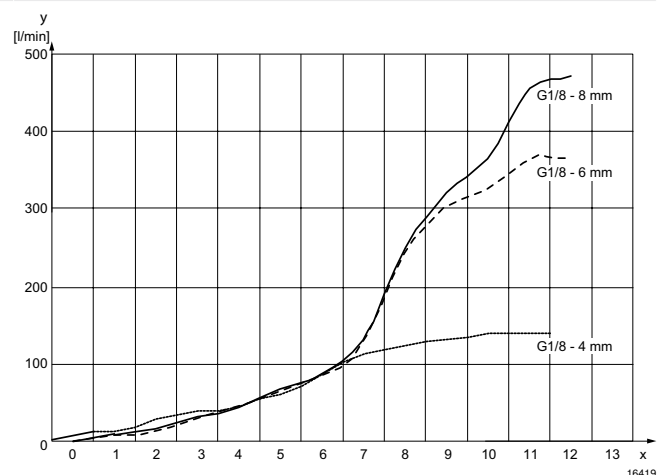
Nominal flow Qn at 6 bar and $\Delta p = 1$ bar

Flow diagram, Fig. 1



x = rotations of the throttle screw
y = flow rate Qn

Fig. 2

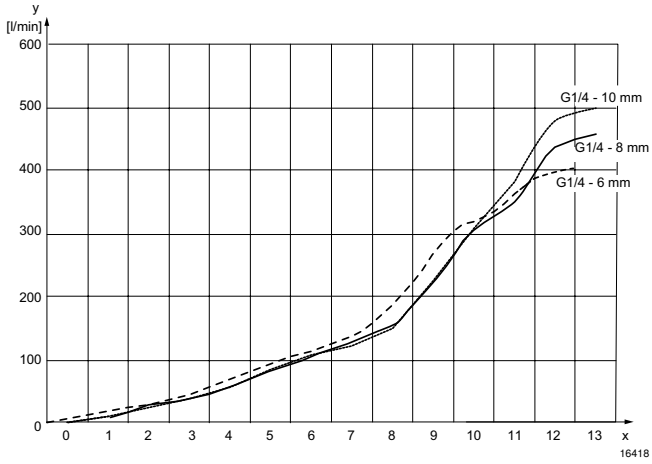


x = rotations of the throttle screw
y = flow rate Qn

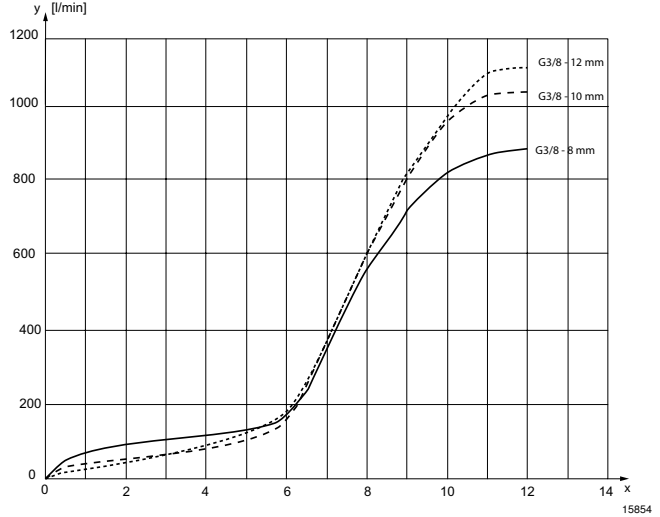
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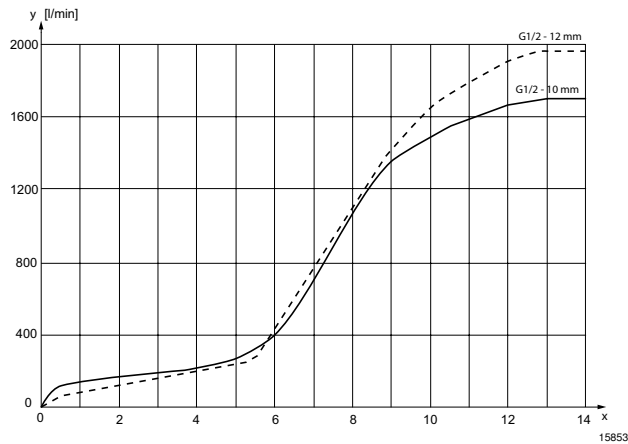
► $Q_n = 70 - 1850 \text{ l/min}$ ► direction of throttle: 2 → 1 ► exhaust air throttling ► push-in fitting - external thread

Fig. 3

x = rotations of the throttle screw
 y = flow rate Q_n

Fig. 4

x = rotations of the throttle screw
 y = flow rate Q_n

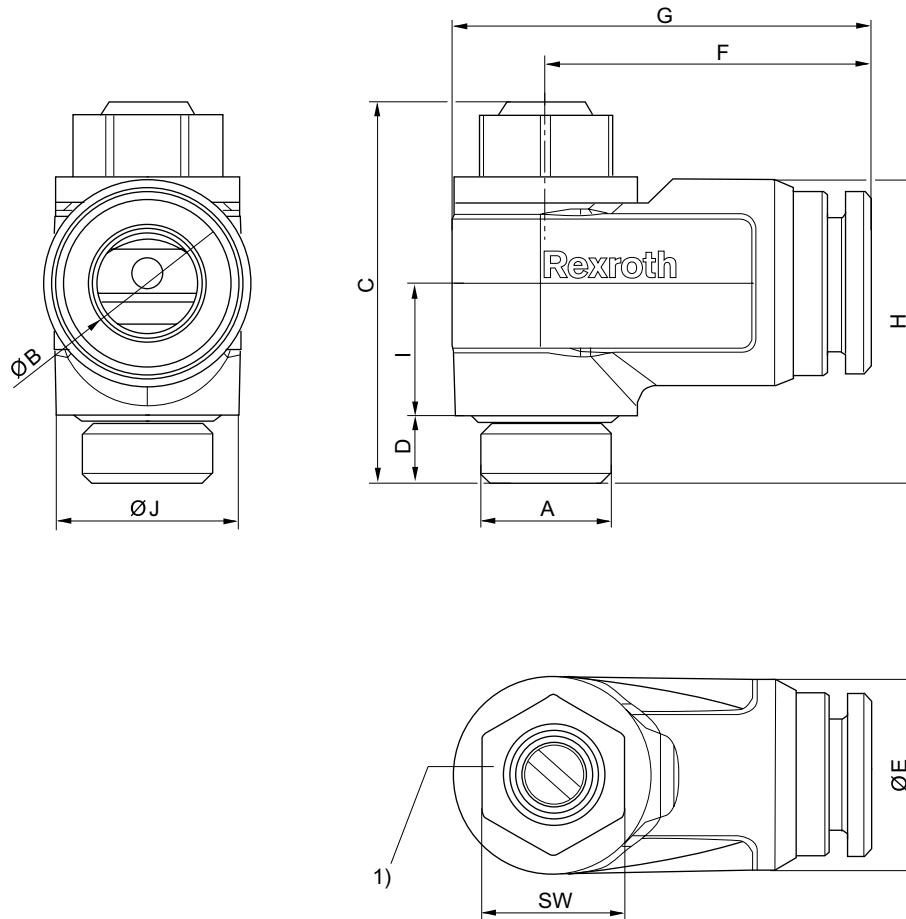
Fig. 5

x = rotations of the throttle screw
 y = flow rate Q_n

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Dimensions

16383

1) Recommended tightening torque M_A :

- M 5: 1.1 Nm -0.2
- G 1/8: 3.0 Nm -0.3
- G 1/4: 6.0 Nm -0.6
- G 3/8: 8.0 Nm -1.0
- G 1/2: 10.0 Nm -1.0

Part No.	Port G	A	Ø B	C	D	Ø E	F	G	H	I	Ø J	SW
R412010564	Ø 4	M5	4	21.8	4	9	15.9	20.4	12	7.5	8.7	7
R412010565	Ø 6	M5	6	21.8	4	11.1	17.2	21.8	13	7.5	8.7	7
R412010568	Ø 4	G1/8	4	28.5	5.5	11.5	21.9	28.8	21	9.8	13.6	10
R412010569	Ø 6	G1/8	6	28.5	5.5	13.5	22.4	29.3	21.7	9.8	13.6	10
R412010570	Ø 8	G1/8	8	28.5	5.5	15.5	24.2	31.1	22.7	9.8	13.6	10
R412010571	Ø 6	G1/4	6	33.6	6.5	13	24.3	33.5	25.3	12.8	17.6	13
R412010572	Ø 8	G1/4	8	33.6	6.5	15.5	26.6	35.5	25.3	11.5	17.6	13
R412010573	Ø 10	G1/4	10	33.6	6.5	18.1	29.2	38.1	26.7	11.5	17.6	13
R412010574	Ø 8	G3/8	8	40.8	7	15.6	28.2	40.6	23.6	15.8	22.2	16
R412010575	Ø 10	G3/8	10	40.8	7	19	32	43.3	33.5	16.4	22.2	16
R412010576	Ø 12	G3/8	12	40.8	7	22.1	34.2	45.4	35.6	17.8	22.2	16
R412010577	Ø 10	G1/2	10	47.8	8.3	19.2	34	47.7	41.1	20.3	26.6	18
R412010578	Ø 12	G1/2	12	47.8	8.3	22	36.1	49.8	43.9	21.5	26.6	18