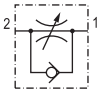
**Flow and check valves → Check-choke valves**

# Check-choke valve, Series CC02

**► Qn = 85 - 2100 l/min ► direction of throttle: 2 → 1 ► exhaust air throttling ► push-in fitting - external thread**


00119346

| | |
|---|---|
| Working pressure min./max. | 0.5 bar / 10 bar |
| Ambient temperature min./max. | +0°C / +70°C |
| Medium temperature min./max. | +0°C / +70°C |
| Medium | Compressed air |
| | |
| Materials: | |
| Flow control screw | Brass, nickel-plated |
| Seal | Acrylonitrile Butadiene Rubber |
| Port | Brass, nickel-plated |

| | Port 1 | Port 2 | Throttle bore | Qn 2 → 1 | Weight | Note | Part No. |
|---|---|---|---|---|---|---|---|
| | | | [mm] | [l/min] | [kg] | | |
|  | Ø 3 | M3 | 1.2 | 110 | 0.1 | Fig. 3; 1) | **R412005629** |
| | Ø 3 | M5 | 1.5 | 110 | 0.1 | Fig. 3; 1) | **R412005630** |
| | Ø 4 | M5 | 1.5 | 85 | 0.02 | Fig. 1; 2) | **0821200191** |
| | Ø 4 | M5 | 1.5 | 85 | 0.02 | Fig. 3; 2) | **0821200128** |
| | Ø 4 | M7 | 1.5 | 85 | 0.01 | Fig. 4; 2) | **2540104070** |
| | Ø 4 | G 1/8 | 3 | 360 | 0.04 | Fig. 1; 2) | **0821200134** |
| | Ø 4 | G 1/8 | 3 | 360 | 0.045 | Fig. 2; 2) | **0821200192** |
| | Ø 6 | M5 | 1.5 | 85 | 0.02 | Fig. 1; 2) | **0821200167** |
| | Ø 6 | M5 | 1.5 | 85 | 0.02 | Fig. 3; 2) | **0821200129** |
| | Ø 6 | M7 | 1.5 | 85 | 0.01 | Fig. 4; 2) | **2540106070** |
| | Ø 6 | G 1/8 | 3 | 360 | 0.04 | Fig. 1; 2) | **0821200193** |
| | Ø 6 | G 1/4 | 4.5 | 540 | 0.06 | Fig. 1; 2) | **0821200197** |
| | Ø 6 | G 1/8 | 3 | 360 | 0.045 | Fig. 2; 2) | **0821200194** |
| | Ø 6 | G 1/4 | 4.5 | 540 | 0.07 | Fig. 2; 2) | **0821200196** |
| | Ø 8 | G 1/8 | 3 | 360 | 0.04 | Fig. 1; 2) | **0821200195** |
| | Ø 8 | G 1/4 | 4.5 | 540 | 0.06 | Fig. 1; 2) | **0821200198** |
| | Ø 8 | G 3/8 | 6.5 | 900 | 0.095 | Fig. 1; 2) | **0821200199** |
| | Ø 10 | G 1/2 | 12 | 2100 | 0.17 | Fig. 1; 2) | **R412004803** |
| | Ø 10 | G 1/4 | 4.5 | 540 | 0.065 | Fig. 1; 2) | **0821200138** |
| | Ø 10 | G 3/8 | 6.5 | 900 | 0.095 | Fig. 1; 2) | **0821200254** |
| | Ø 12 | G 1/2 | 12 | 2100 | 0.17 | Fig. 1; 2) | **R412004804** |
| | Ø 12 | G 3/8 | 6.5 | 900 | 0.1 | Fig. 1; 2) | **0821200255** |

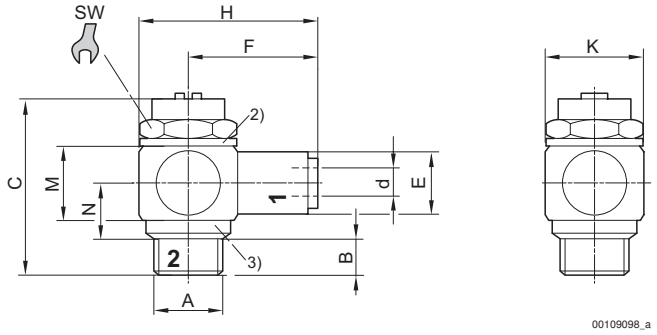
1) Housing: Polybutyleneterephthalate
2) Housing: Polyamide
Nominal flow Qn at 6 bar and Δp = 1 bar

**Flow and check valves → Check-choke valves**

## Check-choke valve, Series CC02

**► Qn = 85 - 2100 l/min ► direction of throttle: 2 → 1 ► exhaust air throttling ► push-in fitting - external thread**

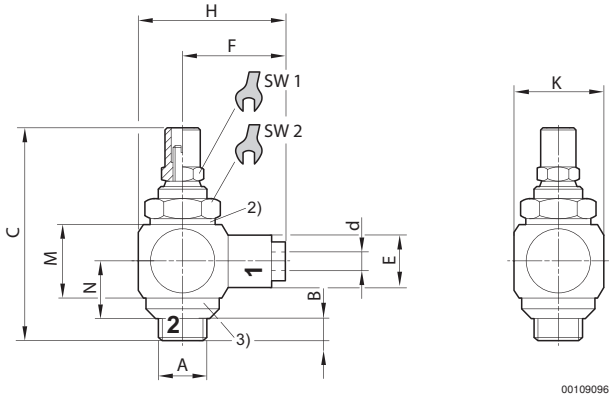
**Fig. 1**




2) Valve body with ID mark for inlet throttling
3) Plastic seal

| Part No. | A | Ød | B | C | ØE | F | H | K | M | N | SW | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0821200191** | M5 | 4 | 3.5 | 22.5 | 10 | 19 | 24 | 10 | 11 | 6.5 | 8 | |
| **0821200134** | G 1/8 | 4 | 6.5 | 34 | 11 | 23 | 31 | 16 | 16 | 9.5 | 13 | |
| **0821200167** | M5 | 6 | 3.5 | 22.5 | 12 | 20 | 25 | 10 | 11 | 6.5 | 8 | |
| **0821200193** | G 1/8 | 6 | 6.5 | 34 | 13 | 24 | 32 | 16 | 16 | 9.5 | 13 | |
| **0821200197** | G 1/4 | 6 | 9 | 37.5 | 13 | 25.5 | 35.5 | 20 | 16 | 10.5 | 16 | |
| **0821200195** | G 1/8 | 8 | 6.5 | 34 | 15 | 25.5 | 33.5 | 16 | 16 | 9.5 | 13 | |
| **0821200198** | G 1/4 | 8 | 9 | 37.5 | 15 | 27.5 | 37.5 | 20 | 16 | 10.5 | 16 | |
| **0821200199** | G 3/8 | 8 | 9.5 | 51 | 15 | 29.5 | 41.5 | 24 | 21 | 12 | 21 | |
| **R412004803** | G 1/2 | 10 | 13 | 63.5 | 17.5 | 32 | 47.5 | 30 | – | – | 27 | |
| **0821200138** | G 1/4 | 10 | 9 | 37.5 | 17.5 | 30 | 40 | 20 | 16 | 10.5 | 16 | |
| **0821200254** | G 3/8 | 10 | 9.5 | 51 | 17.5 | 32 | 44.5 | 24 | 21 | 12 | 21 | |
| **R412004804** | G 1/2 | 12 | 13 | 63.5 | 21 | 34.5 | 49.5 | 30 | – | – | 27 | |
| **0821200255** | G 3/8 | 12 | 9.5 | 51 | 21 | 34 | 46.5 | 24 | 21 | 12 | 21 | |

**Fig. 2**




2) Valve body with ID mark for inlet throttling
3) Plastic seal

| Part No. | A | Ød | B | C | ØE | F | H | K | M | N | SW1 | SW2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0821200192** | G 1/8 | 4 | 6.5 | 45 | 11 | 23 | 30.5 | 10 | 16 | 9.5 | 7 | 13 |
| **0821200194** | G 1/8 | 6 | 6.5 | 45 | 13 | 23 | 30.5 | 10 | 16 | 9.5 | 7 | 13 |

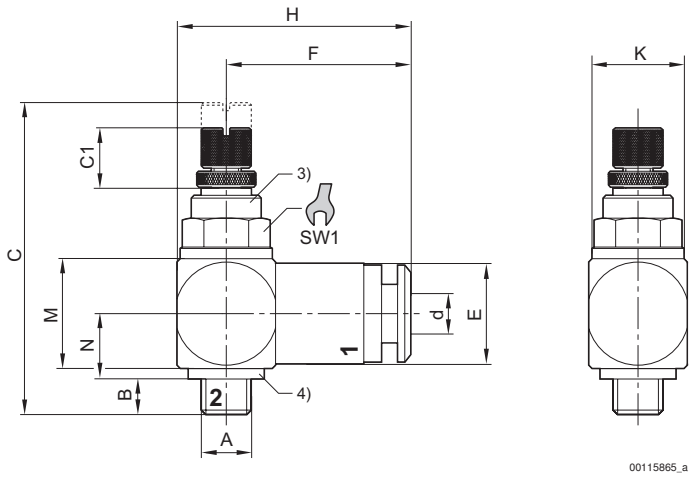
**Flow and check valves → Check-choke valves**

## Check-choke valve, Series CC02

**► Qn = 85 - 2100 l/min ► direction of throttle: 2 → 1 ► exhaust air throttling ► push-in fitting - external thread**

| Part No. | A | Ød | B | C | ØE | F | H | K | M | N | SW1 | SW2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **0821200196** | G 1/4 | 6 | 9 | 51.5 | 13 | 25.5 | 35.5 | 20 | 16 | 10.5 | 10 | 16 |

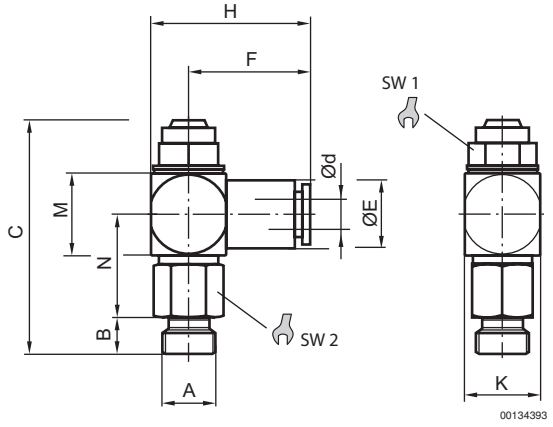
**Fig. 3**




Throttle setting via knurled bolt
3) Plastic seal
4) Plastic seal

| Part No. | A | Ød | B | C | C1 | ØE | F | H | K | M | N | SW1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **R412005629** | M3 | 3 | 4 | 26.5 | – | 6.3 | 14 | 19 | 10 | – | 6.9 | 8 |
| **R412005630** | M5 | 3 | 4 | 26.5 | – | 6.3 | 14 | 19 | 10 | – | 6.4 | 8 |
| **0821200128** | M5 | 4 | 3.5 | 30.5 | 6 | 10 | 19 | 24 | 10 | 11 | 6.5 | 8 |
| **0821200129** | M5 | 6 | 3.5 | 30.5 | 6 | 12 | 20 | 25 | 10 | 11 | 6.5 | 8 |

**Fig. 4**




| Part No. | A | Ød | B | C | ØE | F | H | K | M | N | SW1 | SW2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2540104070** | M7 | 4 | 5 | 31 | 9 | 16 | 21 | 11 | 11 | 13.5 | 8 | 10 |
| **2540106070** | M7 | 6 | 5 | 31 | 11 | 16.5 | 21.5 | 11 | 11 | 13.5 | 8 | 10 |