

# Check-choke valve, Series QR1-DBS, Inlet-Side Throttling, push-in fitting

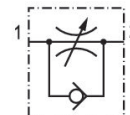
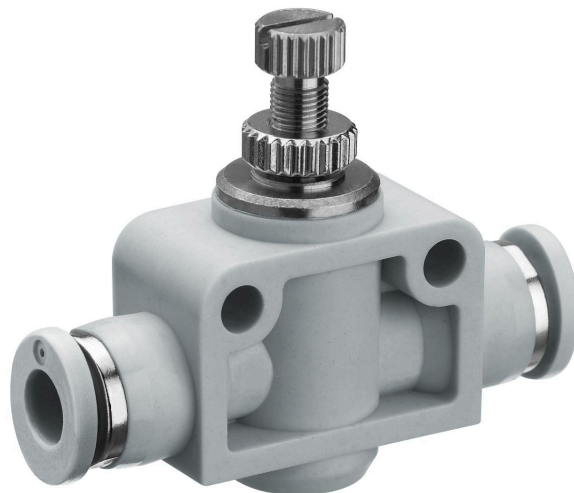
R432002382

QR1

2026-05-04

## AVENTICS Series QR1 Check-choke-valves

AVENTICS Series QR1 Check-choke-valve are designed for nominal flows from 60 l/min .. 875 l/min.



## Technical data

|                                  |                 |
|----------------------------------|-----------------|
| Industry                         | Industrial      |
| Port 1                           | Ø5/32           |
| Port 2                           | Ø5/32           |
| direction of throttle            | 1 > 2           |
| Nominal flow Qn 1 to 2           | 60 l/min        |
| Compressed air connection type 1 | Push-in fitting |
| Compressed air connection type 2 | Push-in fitting |
| Medium                           | Compressed air  |
| Min. working pressure            | 0.4827 bar      |
| Max. working pressure            | 16 bar          |
| Min. ambient temperature         | -20 °C          |
| Max. ambient temperature         | 80 °C           |
| Min. medium temperature          | 0 °C            |
| Max. medium temperature          | 60 °C           |
| Delivery unit                    | 5 piece         |
| Weight                           | 0.0136 kg       |

## Material

|                  |           |
|------------------|-----------|
| Housing material | Polyamide |
|------------------|-----------|

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|                             |                                |
|-----------------------------|--------------------------------|
| Seal material               | Acrylonitrile butadiene rubber |
| Material flow control screw | Brass                          |
| Surface flow control screw  | nickel-plated                  |
| Part No.                    | R432002382                     |

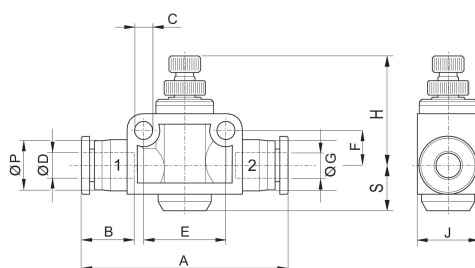
## Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

## Dimensions in inches



| Part No.          | Ø D   | A     | B     | Ø C | J     | H     | S     | Ø P   |
|-------------------|-------|-------|-------|-----|-------|-------|-------|-------|
| <b>R432002382</b> | Ø5/32 | 1.426 | 0.63  | 3.2 | 0.394 | 0.701 | 0.256 | 0.411 |
| R432002383        | Ø1/4  | 1.682 | 0.67  | 4.3 | 0.591 | 1.064 | 0.433 | 0.489 |
| R432002384        | Ø5/16 | 2.041 | 0.729 | 4.3 | 0.709 | 1.123 | 0.473 | 0.567 |
| R432002385        | Ø 3/8 | 2.348 | 0.827 | 4.3 | 0.827 | 1.34  | 0.473 | 0.693 |
| R432002386        | Ø1/2  | 2.813 | 0.887 | 4.3 | 1.103 | 1.32  | 0.63  | 0.835 |