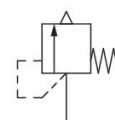


## AVENTICS Safety valves



### Technical data

|                                  |                              |
|----------------------------------|------------------------------|
| Industry                         | Industrial                   |
| Type                             | Poppet valve                 |
| Mounting                         | thread-in                    |
| Compressed air connection 1      | G 3/4                        |
| Compressed air connection type 1 | External thread              |
| Compressed air connection type 2 | Uncollected                  |
| Opening pressure of valve        | 3.5 bar                      |
| Nominal flow Qn 1 to 2           | 8737 l/min                   |
| Min. working pressure            | 0 bar                        |
| Max. working pressure            | 20 bar                       |
| Min. ambient temperature         | -20 °C                       |
| Max. ambient temperature         | 100 °C                       |
| Medium                           | Compressed air               |
| Certificates                     | CE declaration of conformity |

### Material

|                  |                  |
|------------------|------------------|
| Housing material | Brass            |
| Seal material    | Fluorocaoutchouc |
| Part No.         | R412007545       |

## Technical information

The specified performance values are achieved at a 10% (PE <[[1] bar], [[0,1] bar]) pressure increase, measured with compressed air at [[20]°C].

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.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in <https://www.emerson.com/en-us/support>).

## Dimensions

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G = connection 1

| Part No.   | Port G | Ø D | H  | L  | SW | T [Nm] | NW |
|------------|--------|-----|----|----|----|--------|----|
| R412007521 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007522 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007523 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007524 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007525 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007526 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007527 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007528 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007529 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007530 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| AVENTICS 1 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |
| R412007532 | G 1/4  | 18  | 69 | 10 | 19 | 30     | 8  |

Visit our website at [Emerson.com/AVENTICS](https://www.emerson.com/AVENTICS)

# Series RV1

R412007545

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NW = nominal width