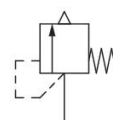


AVENTICS Safety valves



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

6 bar

Nominal flow Qn 1 to 2

13690 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.

R412007546

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>).

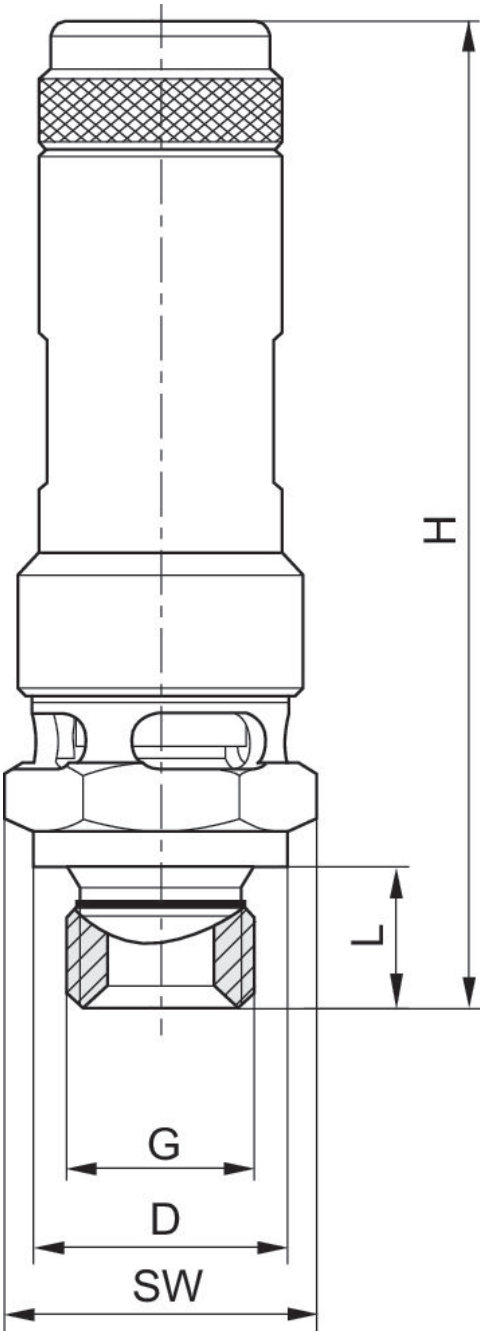
Dimensions

Series RV1

R412007546

Safety
valves

2026-02-26



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

Series RV1

R412007546

Safety
valves

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NW = nominal width