

Safety valves



AVENTICS™ Safety valves



Series RV1

- Qn 1►2 = 676-33505 l/min
- thread-in
- External thread
- G 1/4 G 3/8 G 1/2 G 3/4
- Uncollected



Version

Certificates

Working pressure min./max.

Opening pressure of valve

Ambient temperature min./max.

Medium

Poppet valve

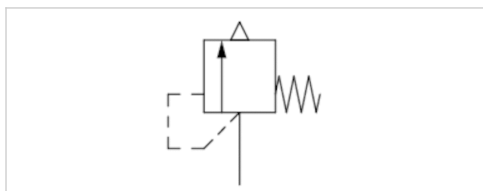
CE declaration of conformity

0 ... 20 bar

See table below

-20 ... 100 °C

Compressed air



Technical data

Part No.	Port 1	Opening pressure of valve	Flow
			Qn 1►2
R412007521	G 1/4	0.8 bar	676 l/min
R412007522	G 1/4	1.5 bar	996 l/min
R412007523	G 1/4	2 bar	1219 l/min
R412007524	G 1/4	3.5 bar	1872 l/min
R412007525	G 1/4	4 bar	2084 l/min
R412007526	G 1/4	4.8 bar	2424 l/min
R412007527	G 1/4	6 bar	2933 l/min
R415021667	G 1/4	6.5 bar	3150 l/min
R412007528	G 1/4	8 bar	3783 l/min
R412007529	G 1/4	10 bar	4632 l/min
R412007530	G 1/4	11 bar	5056 l/min
R412007531	G 1/4	15 bar	6755 l/min
R412007532	G 1/4	16 bar	7179 l/min
R412007533	G 3/8	2 bar	2194 l/min
R412007534	G 3/8	3.7 bar	3567 l/min
R412007535	G 3/8	4 bar	3799 l/min
R412007721	G 3/8	5 bar	4573 l/min
R412007536	G 3/8	6 bar	5347 l/min
R412007537	G 3/8	6.8 bar	5966 l/min
R412007538	G 3/8	8 bar	6895 l/min

Part No.	Port 1	Opening pressure of valve	Flow
			Qn 1▶2
R412007539	G 3/8	10 bar	8443 l/min
R412007540	G 3/8	11 bar	9217 l/min
R412007541	G 3/8	16 bar	13087 l/min
R412007542	G 1/2	0.4 bar	1115 l/min
R412007720	G 1/2	2.9 bar	3613 l/min
R412007690	G 1/2	3.5 bar	4182 l/min
R412007691	G 1/2	4 bar	4656 l/min
R412007692	G 1/2	5 bar	5604 l/min
R412007699	G 1/2	5.5 bar	6142 l/min
R412007696	G 1/2	6 bar	6553 l/min
R412007702	G 1/2	6.5 bar	7101 l/min
R412007698	G 1/2	7 bar	7501 l/min
R412007697	G 1/2	8 bar	8449 l/min
R412007693	G 1/2	8.5 bar	9018 l/min
R412007694	G 1/2	9 bar	9398 l/min
R412007700	G 1/2	10 bar	10346 l/min
R412007701	G 1/2	10.5 bar	10934 l/min
R412007695	G 1/2	11 bar	11295 l/min
R412007703	G 1/2	12 bar	12243 l/min
R412007543	G 1/2	16 bar	16037 l/min
R412007544	G 3/4	0.5 bar	2627 l/min
R412007684	G 3/4	1 bar	3783 l/min
R412007545	G 3/4	3.5 bar	8737 l/min
R412007546	G 3/4	6 bar	13690 l/min
R412007547	G 3/4	6.5 bar	14754 l/min
R412007548	G 3/4	8 bar	17653 l/min
R412007549	G 3/4	10 bar	21616 l/min
R412007550	G 3/4	11 bar	23598 l/min
R412007551	G 3/4	12.5 bar	26570 l/min
R412007552	G 3/4	16 bar	33505 l/min

Technical information

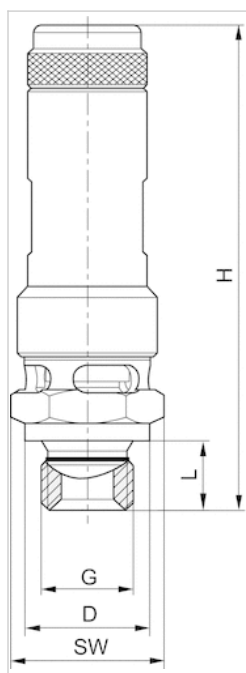
The specified performance values are achieved at a 10% (PE 1 bar , 0.1 bar) pressure increase, measured with compressed air at 20 °C .

Technical information

Material	
Housing	Brass
Seals	Fluorocaoutchouc

Dimensions

Dimensions



G = connection 1

Dimensions

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
-	G 1/4	-	-	-	-	-	-
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
R412007531	G 1/4	18	69	10	19	30	8
R412007532	G 1/4	18	69	10	19	30	8
R412007533	G 3/8	22	75	10	24	40	10
R412007534	G 3/8	22	75	10	24	40	10
R412007535	G 3/8	22	75	10	24	40	10
R412007721	G 3/8	22	75	10	24	40	10
R412007536	G 3/8	22	75	10	24	40	10
R412007537	G 3/8	22	75	10	24	40	10
R412007538	G 3/8	22	75	10	24	40	10
R412007539	G 3/8	22	88	10	24	40	10
R412007540	G 3/8	22	88	10	24	40	10
R412007541	G 3/8	22	88	10	24	40	10

Part No.	Port G	Ø D	H	L	SW	T [Nm]	NW
R412007542	G 1/2	26	78	12	27	50	15
R412007720	G 1/2	26	78	12	27	50	15
R412007690	G 1/2	26	78	12	27	50	15
R412007691	G 1/2	26	78	12	27	50	15
R412007692	G 1/2	26	78	12	27	50	15
R412007699	G 1/2	26	78	12	27	50	15
R412007696	G 1/2	26	78	12	27	50	15
R412007702	G 1/2	26	78	12	27	50	15
R412007698	G 1/2	26	78	12	27	50	15
R412007697	G 1/2	26	77.5	12	27	50	15
R412007693	G 1/2	26	91	12	27	50	15
R412007694	G 1/2	26	91	12	27	50	15
R412007700	G 1/2	26	91	12	27	50	15
R412007701	G 1/2	26	91	12	27	50	15
R412007695	G 1/2	26	91	12	27	50	15
R412007703	G 1/2	26	91	12	27	50	15
R412007543	G 1/2	26	91	12	27	50	15
R412007544	G 3/4	32	106	12	30	60	20
R412007684	G 3/4	32	106	12	30	60	20
R412007545	G 3/4	32	106	12	30	60	20
R412007546	G 3/4	32	106	12	30	60	20
R412007547	G 3/4	32	106	12	30	60	20
R412007548	G 3/4	32	106	12	30	60	20
R412007549	G 3/4	32	116	12	30	60	20
R412007550	G 3/4	32	116	12	30	60	20
R412007551	G 3/4	32	116	12	30	60	20
R412007552	G 3/4	32	116	12	30	60	20

T = maximum torque

NW = nominal width

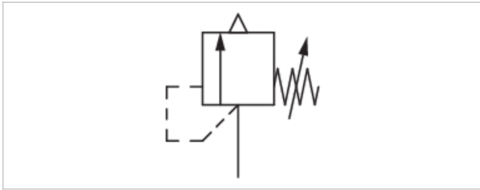
Series RV2

- Qn 1►2 = 1833-13874 l/min
- thread-in
- External thread
- G 3/8 G 1/2 G 3/4
- G 1/2 G 3/4 G 1



Version
 Certificates
 Working pressure min./max.
 Opening pressure of valve
 Ambient temperature min./max.
 Medium

Poppet valve
 CE declaration of conformity
 0 ... 20 bar
 See table below
 -20 ... 100 °C
 Compressed air



Technical data

Part No.	Port 1	Port 2	Opening pressure of valve	Flow
				Qn 1►2
R412007567	G 3/8	G 1/2	4 bar	1833 l/min
R412007722	G 3/8	G 1/2	5 bar	2216 l/min
R412007704	G 3/8	G 1/2	10 bar	4090 l/min
R412007558	G 1/2	G 3/4	8 bar	6723 l/min
R412007561	G 1/2	G 3/4	16 bar	12759 l/min
R412007563	G 3/4	G 1	8 bar	13874 l/min

Port 1 = input (e.g. pressure reservoir), port 2 = exhaust

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 .

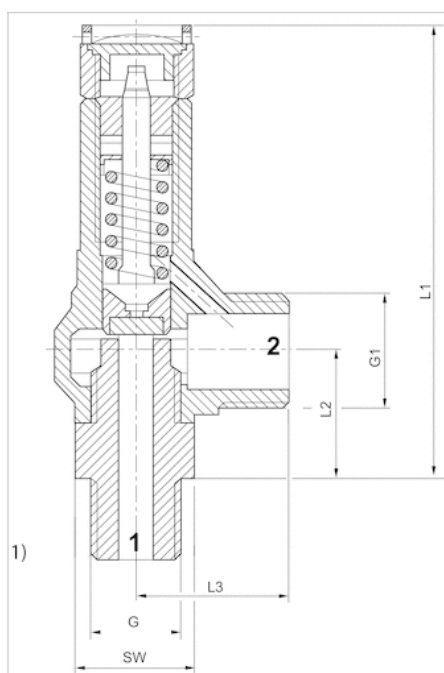
Opening pressure of valve 1 bar

Technical information

Material	
Housing	Brass
Seals	Fluorocaoutchouc

Dimensions

Dimensions



1) Flow direction: 1 to 2

Dimensions

Part No.	Port G	G1	L1	L2	L3	SW	T [Nm]	NW
R412007567	G 3/8	G 1/2	85	23.5	29	22	40	7
R412007722	G 3/8	G 1/2	85	23.5	29	22	40	7
R412007704	G 3/8	G 1/2	85	23.5	29	22	40	7
R412007558	G 1/2	G 3/4	105	30	32	25	65	10
R412007561	G 1/2	G 3/4	105	30	32	25	65	10
R412007563	G 3/4	G 1	136	37	45	35	160	14

T = recommended torque

NW = nominal width

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