

Pressure relief valve from red brass, not component-tested

Series RV02

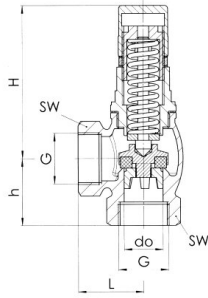


Design type	Spring-loaded proportional pressure relief valve The bonnet is completely closed to the outside, so that this type is also suitable as a relief valve even when back pressure occurs. Adjustment is carried out after removing the gas-tight cap according to the respective adjustment range. The set pressure can be secured against adjustment by the seal. These types are not factory-set.
Connection	G3/8" ... G2"
Materials	Valve body Red brass, Internal parts Brass or rather stainless steel, Seal NBR or rather PTFE, Pressure range 12...20bar Seal PTFE
Application range	gaseous and liquid media that do not attack the materials used
Medium temperature	see table
Adjustment range	0,2...0,8bar / 0,5...2,5bar / 2...12bar / 12...20bar
Mounting type	Installation in rigid piping system
Mounting position	any
Special version	preset, Pressure relief valve for oxygen
Ordering note	Adjustment range must be specified

Table:

Seal	Adjustment range [bar]	Medium temperature [°C]	Type
NBR	0,2...0,8 / 0,5...2,5 / 2...12	-30...+130	RV02
PTFE	0,2...0,8 / 0,5...2,5 / 2...12 / 12...20	-60...+225	RV02-...T





G	L	H	h	d ₀	Weight [approx. kg]	Type	Type
G3/8"	27	66	26	10	0,3	RV02-38-10-XX	RV02-38-10-XX-T
G1/2"	29	74	30	13	0,4	RV02-12-13-XX	RV02-12-13-XX-T
G3/4"	34	83	35	19	0,7	RV02-34-19-XX	RV02-34-19-XX-T
G1"	42	100	43	25	1,2	RV02-10-25-XX	RV02-10-25-XX-T
G1 1/4"	46	117	46	30	1,9	RV02-114-30-XX	RV02-114-30-XX-T
G1 1/2"	51	136	52	38	2,5	RV02-112-38-XX	RV02-112-38-XX-T
G2"	60	146	61	50	3,8	RV02-20-50-XX	RV02-20-50-XX-T

XX - Adjustment range 0,2/0,8 0,5/2,5 2/12 12/20

Blow-off capacity at 10% overpressure for Air [Nm³/h]

Size	Set pressure [bar]														
	0,5	1	1,5	2	3	4	5	6	8	10	12	14	16	18	20
G3/8"	1,7	2,3	2,9	3,5	4,7	5,8	7,0	8,2	10,5	12,8	15,0	17,3	19,6	21,9	24,2
G1/2"	2,9	3,9	4,8	5,8	7,7	9,7	11,6	13,5	17,4	21,3	25	28,8	32,7	36,5	40,4
G3/4"	6,4	8,5	10,7	12,8	17,1	21,3	25,6	29,8	38,4	46,9	54,9	63,4	71,8	80,3	88,7
G1"	17	22,6	28,3	34,0	45,3	56,6	67,9	79,3	102	125	147	170	192	215	238
G1 1/4"	23,2	31	38,7	46,5	62,0	77,4	92,9	108	139	170	200	231	262	292	323
G1 1/2"	73	97,4	122	146	195	243	292	341	438	536	640	738	837	935	1034
G2"	132	177	221	265	353	442	530	618	795	971	1150	1327	1504	1680	1857

Blow-off capacity at 10% overpressure for Water [m³/h]

Size	Set pressure [bar]														
	0,5	1	1,5	2	3	4	5	6	8	10	12	14	16	18	20
G3/8"	-	0,05	0,06	0,13	0,16	0,18	0,20	0,22	0,25	0,28	0,31	0,34	0,36	0,38	0,40
G1/2"	0,05	0,08	0,09	0,21	0,26	0,30	0,34	0,37	0,43	0,48	0,52	0,56	0,60	0,64	0,67
G3/4"	0,12	0,16	0,20	0,47	0,57	0,66	0,74	0,81	0,93	1,04	1,14	1,23	1,32	1,40	1,47
G1"	0,42	0,60	0,73	1,70	2,08	2,40	2,68	2,94	3,39	3,79	4,16	4,49	4,80	5,09	5,37
G1 1/4"	0,59	0,83	1,01	2,34	2,87	3,31	3,70	4,06	4,68	5,24	5,74	6,19	6,62	7,02	7,40
G1 1/2"	1,43	2,02	2,47	5,72	7,0	8,08	9,04	9,90	11,43	12,78	14,0	15,12	16,17	17,15	18,07
G2"	2,47	3,50	4,29	10,04	12,3	14,2	15,87	17,39	20,08	22,45	24,93	26,93	28,79	30,54	32,19

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Armatures / Pressure regulators, safety valves and accessories / Safety and relief valves / Relief valve Series RV02-T

Version 6

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