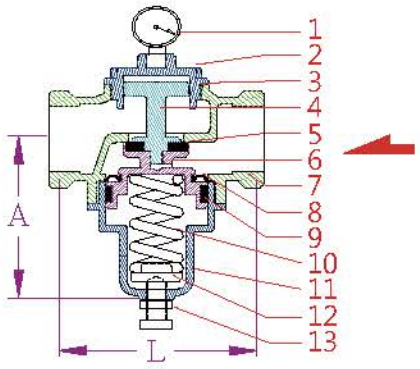
DIRECT-ACTIVATED PRESSURE RELIEF VALVE

- The whole set is made by stainless steel #316, and it is suitable for water, steam, acid & alkaline fluid, or oil.
- Pressure Relief Valve is a safety device for pipes and it is normally closed. When pressure increases to setting value, pressure relief valve rapidly releases the over high pressure. When pressure returns to safety value, pressure relief valve will automatically close to ensure the safety of equipment.

- Pressure Adjusting Range : 1～5 kgf/cm^2
  (1 kgf/cm^2 = 14.2 psi) 4～10 kgf/cm^2
  8～13 kgf/cm^2
- Applied Temperature : -15 ~ 100°C
  100 ~ 180°C (For Steam)
- Valve Body Testing Pressure : 35 kgf/cm^2
- Maximum Applied Pressure : 25 kgf/cm^2

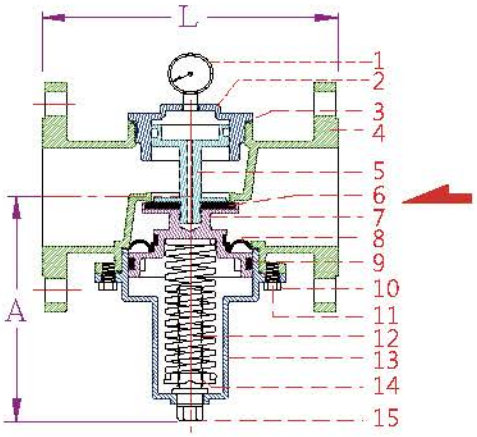


(Thread End)

No.	Name	Material
1	Pressure Gauge	Stainless Steel
2	Upper Cover	Stainless Steel 316
3	O-Ring	NBR/Viton
4	Piston	Stainless Steel 316
5	Sealing Spacer	NBR/Viton
6	Shaft	Stainless Steel 316
7	Main Body	Stainless Steel 316
8	Diaphragm	NBR/Viton
9	UH-Ring	NBR/Viton
10	Spring	Spring Steel
11	Lower Cover	Stainless Steel 316
12	Washer	Brass
13	Adjusting Stem	Stainless Steel 304

(Flange End)

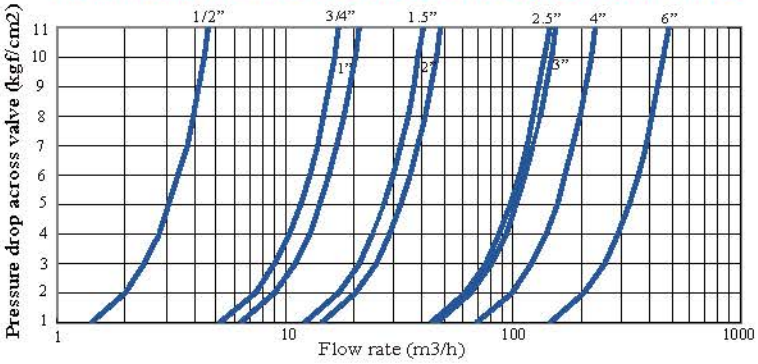
No.	Name	Material
1	Pressure Gauge	Stainless Steel
2	Upper Cover	Stainless Steel 316
3	O-Ring	NBR/Viton
4	Main Body	Stainless Steel 316
5	Piston	Stainless Steel 316
6	Sealing Spacer	NBR/Viton
7	Shaft	Stainless Steel 316
8	Diaphragm	NBR/Viton
9	UH-Ring	NBR/Viton
10	O-Ring	NBR/Viton
11	Bolt	Stainless Steel 304
12	Spring	Spring Steel
13	Lower Cover	Stainless Steel 316
14	Washer	Brass
15	Adjusting Stem	Stainless Steel 304



(Thread End)

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
RLT15-S	1/2"	85	70	0.8	2.4
RLT20-S	3/4"	105	85	0.9	9.0
RLT25-S	1"	105	90	1.0	11.0
RLT40-S	1.5"	130	115	2.2	21.0
RLT50-S	2"	130	120	3.1	25.0

Flow Chart of Direct-Activated Pressure Relief Valve



(Flange End)

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
RLF15-S	1/2"	85	150	2.0	2.4
RLF20-S	3/4"	105	150	2.8	9.0
RLF25-S	1"	105	150	3.5	11.0
RLF40-S	1.5"	130	190	5.9	21.0
RLF50-S	2"	130	190	6.5	25.0
RLF65-S	2.5"	185	210	11.5	75.0
RLF80-S	3"	185	225	12.0	80.0
RLF100-S	4"	230	250	19.0	120.0
RLF150-S	6"	290	310	45.0	250.0