

# AL-250·250R

## Features

1. Relief valve of stainless steel made, offering high corrosion resistance and durability in particular.
2. Remarkably effective for lines of heavy pulsation or considerable pressure fluctuation due to unique valve structure. Prevents chattering and hunting.
3. Stable operation can be maintained against back pressure changes produced in continuous blow.
4. Simple structure, easy to handle.
5. Since the AL-250R is equipped with a handle, pressure change is easy.



AL-250

AL-250R

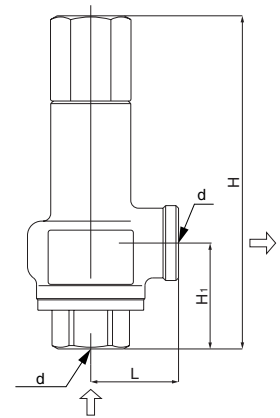
## Specifications

Model	AL-250	AL-250R
Structure	Closed type	Closed type with a handle
Application	Cold and hot water, Oil, Other non-dangerous fluids	
Working pressure	0.05-1.0 MPa	
Maximum temperature	120°C	
Material	Spring case	Cast stainless steel
	Valve, valve seat	Stainless steel
Connection	JIS Rc screwed	

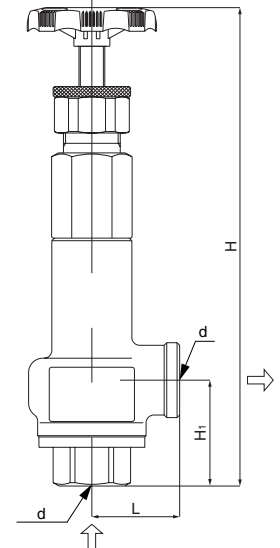
## Dimensions and Weights

Nominal size	d	L	H <sub>1</sub>	H	Weight (kg)
15A	Rc 1/2	34	41.0	129 (185)	0.7 (0.9)
20A	Rc 3/4	38	45.0	132 (188)	0.9 (1.1)
25A	Rc 1	43	51.5	148 (203)	1.2 (1.4)
32A	Rc 1-1/4	50	63.5	184 (241)	2.2 (2.5)
40A	Rc 1-1/2	60	68.5	210 (278)	3.2 (3.7)
50A	Rc 2	75	80.0	250 (314)	5.6 (6.0)

• The values in parentheses are the dimensions and weights of the AL-250R.



AL-250



AL-250R

## Dashpot structure

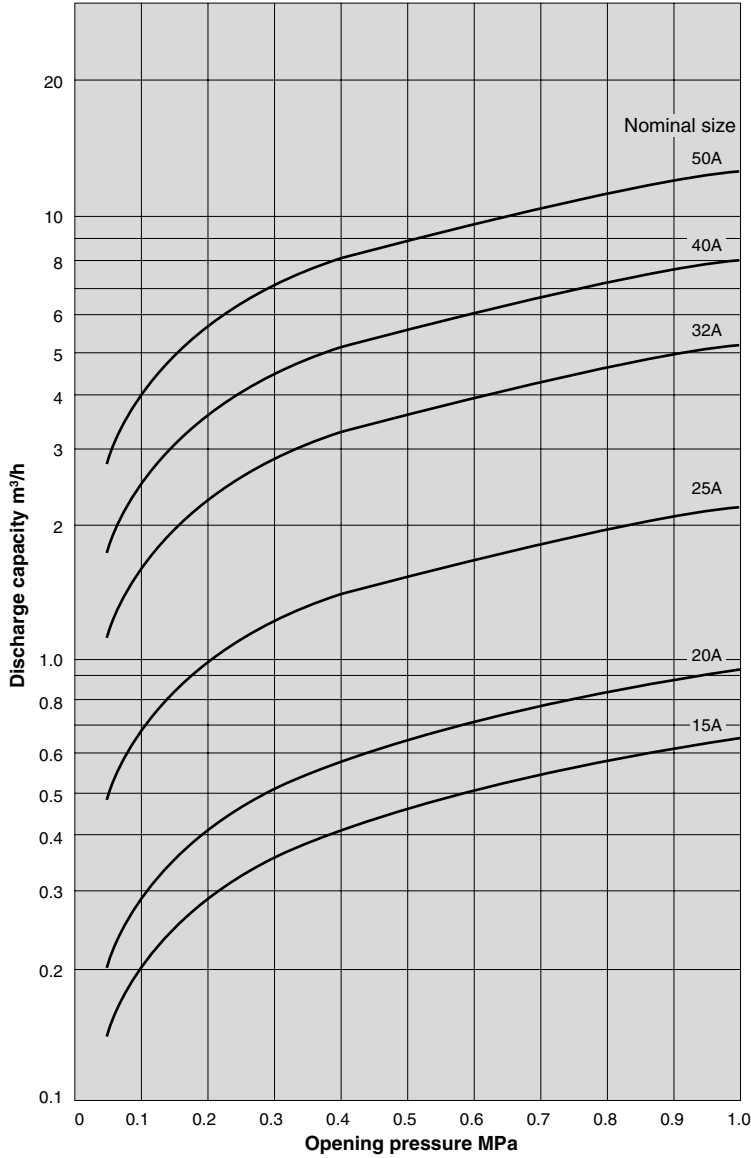


**Table for Selecting AL-250·250R·260·260R Relief Valve Nominal Sizes**

● **Flow rate chart [water] (AL-250·250R·260·260R)**

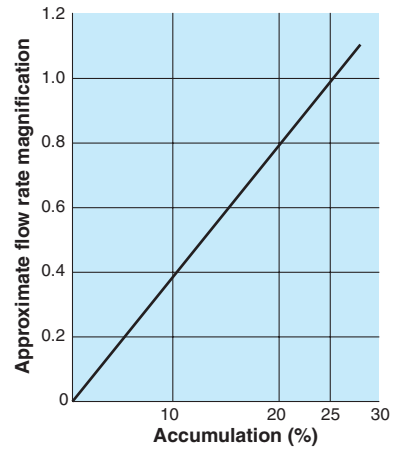
Shown in the chart is the flow rate at 25% accumulation.

For flow rates at other accumulation levels, use the approximate flow rate magnification chart.



● **Approximate flow rate magnification chart**

When the accumulation is not 25%, select an approximate flow rate magnification matching the accumulation based on this chart, and multiply the flow rate at 25% accumulation by the selected magnification.



● **Discharge capacity (accumulation: 25%)**

(m<sup>3</sup>/h)

Nominal size	Opening pressure (MPa)										
	0.05	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
15A	0.14	0.20	0.29	0.35	0.41	0.46	0.50	0.54	0.58	0.62	0.65
20A	0.20	0.29	0.41	0.51	0.59	0.66	0.72	0.78	0.83	0.88	0.93
25A	0.49	0.69	0.98	1.20	1.38	1.54	1.69	1.83	1.96	2.07	2.19
32A	1.14	1.62	2.29	2.81	3.24	3.63	3.97	4.29	4.59	4.87	5.13
40A	1.79	2.53	3.58	4.39	5.07	5.67	6.21	6.71	7.17	7.61	8.02
50A	2.80	3.96	5.60	6.86	7.92	8.86	9.71	10.49	11.21	11.89	12.53