AL-250,250R

Full bore type | Lift type | Safety valve | **Relief valve**
Safety relief valve | Lever type | **Closed type** | **Dash-pot structure**
Handle type | **Stainless** | High pressure gas testing products
Diaphragm | Non-leakage



AL-250



AL-250R

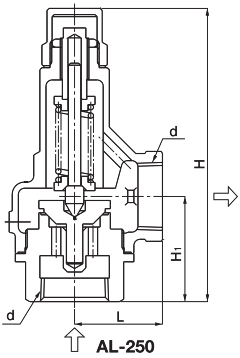
■Features

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. Since the AL-250R is equipped with a handle, pressure change is easy.

■Specifications

Model		AL-250	AL-250R
Structure		Closed type	Closed type with a handle
Application		Cold and hot water, Oil, Other non-dangerous fluids (Less than 20 cst)	
Working pressure		0.05-1.0 MPa	
Maximum temperature		120°C	90°C
Material	Spring case	Stainless steel	
	Valve, valve seat	Stainless steel	
Connection		JIS Rc screwed	

· Please refer to the chart in P.3-80 for set pressure range.



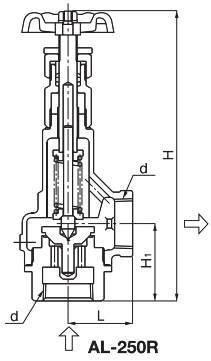
AL-250

■Dimensions and Weights

(mm)

Nominal size	d	L	H_1	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.



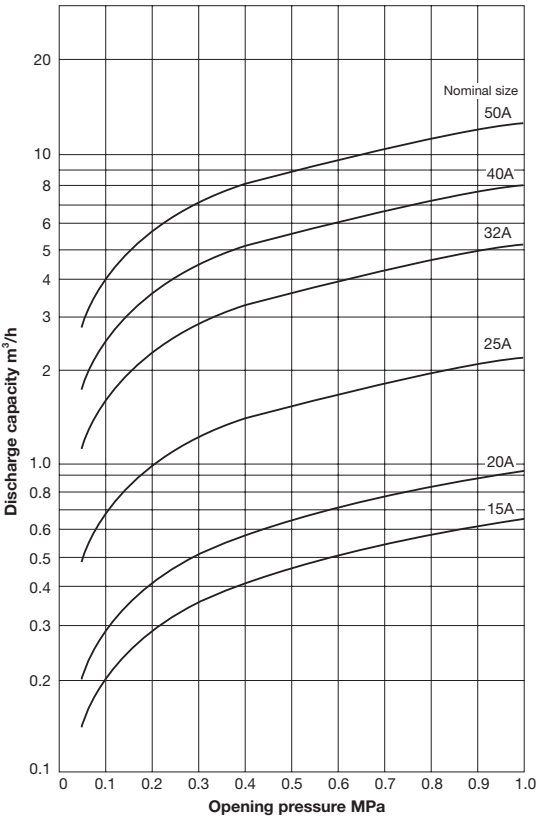
AL-250R

· Dashpot structure



■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.

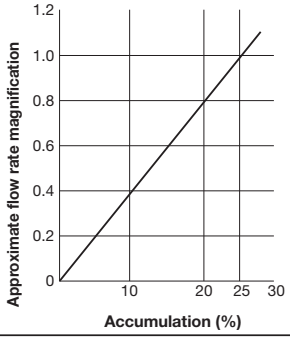


· Dashpot structure



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%)

(m³/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