

# AL-150H

## Features

1. Popping structure ensures reliable discharge.
2. Used for the trim parts is SCS14A (equivalent to SUS316) with outstanding corrosion resistance.
3. Simple internal structure facilitates adjustment, maintenance and handling.
4. Closed structure prevents fluid leakage.

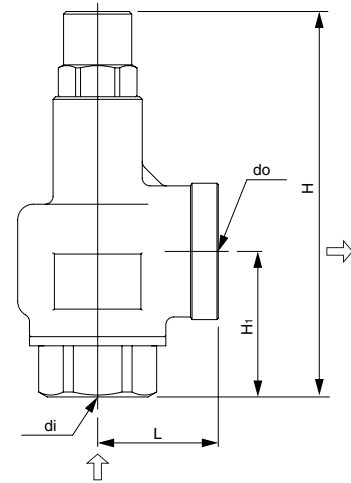
## Specifications

Structure		Closed type
Application		Steam, Air, Cold and hot water, Oil, Other non-dangerous fluids
Working pressure		1.0-1.6 MPa
Maximum temperature		220°C *
Material	Spring case	Cast bronze
	Valve, valve seat	Cast stainless steel (SCS14A)
Connection		JIS Rc screwed

\* The maximum temperature is 150°C when using for water, oil, or other liquids.

## Dimensions and Weights

Nominal size	Dimension (mm)					Flow area $\pi D_l$ (mm <sup>2</sup> )	Weight (kg)
	di x do	L	H <sub>1</sub>	H	Seat diameter		
15A	Rc 1/2 x Rc 3/4	36	42	126	16	22.9	0.8
20A	Rc 3/4 x Rc 1	38	47	131	21	39.5	0.9
25A	Rc 1 x Rc 1-1/4	46	55.5	147.5	26	60.6	1.3
32A	Rc 1-1/4 x Rc 1-1/2	54	61.5	167.5	33	97.7	1.9
40A	Rc 1-1/2 x Rc 2	63	67	193.5	41	150.8	2.9
50A	Rc 2 x Rc 2-1/2	77	80	241.5	51	233.4	5.0



## Certified Capacity Table

### ●For steam (saturation temperature) <Pressure vessel structure standard> (kg/h)

Pressure MPa \ Nominal size	1.0	1.1	1.2	1.3	1.4	1.5	1.6
15A	115	126	136	146	156	167	177
20A	199	217	235	252	270	288	306
25A	306	333	360	387	415	442	469
32A	493	537	581	625	669	713	757
40A	761	830	897	965	1033	1100	1168
50A	1179	1284	1389	1494	1599	1703	1808

### ●For air (20°C) <Pressure vessel structure standard> (kg/h)

Pressure MPa \ Nominal size	1.0	1.1	1.2	1.3	1.4	1.5	1.6
15A	190	208	225	243	260	278	295
20A	328	359	389	419	449	479	509
25A	504	550	597	643	689	735	782
32A	813	888	962	1037	1111	1186	1260
40A	1255	1370	1485	1600	1715	1831	1946
50A	1943	2121	2299	2477	2655	2833	3011

### ●For water (accumulation: 25%) <Yoshitake standard> (m<sup>3</sup>/h)

Pressure MPa \ Nominal size	1.0	1.1	1.2	1.3	1.4	1.5	1.6
15A	2.4	2.5	2.7	2.8	2.9	3.0	3.1
20A	4.2	4.4	4.6	4.8	5.0	5.2	5.3
25A	6.5	6.8	7.1	7.4	7.7	8.0	8.2
32A	10.5	11.0	11.5	12.0	12.4	12.9	13.3
40A	16.2	17.0	17.8	18.5	19.2	19.9	20.6
50A	25.2	26.4	27.6	28.7	29.8	30.8	31.8

• Please contact us for the calculation procedure for nominal size selection.