

AK-1H Type Steam Trap

 Bucket type
0.035~1.0MPa

General purpose trap that can be used as drain discharge trap for pipeline, header etc. All functions set in the top cover, so that allow easy maintenance.

FEATURES

- Simple internal structure makes maintenance work easier.
- With strainer embedded.

SPECIFICATIONS

Type	0.7MPa	1.0MPa
Model name	AK-1H	
Code name	AK1H-GL	AK1H-GH
Applicable pressure	0.035~0.7MPa	0.035~1.0MPa
Applicable fluid	Steam	
Fluid temperature	Max. 184°C	
End connection	Screwed JIS Rc	
Materials	Body(Cast iron), Disc & Seat(Stainless steel), Bucket(Stainless steel)	
Valve body pressure test	Hydraulic 1.5MPa	

* In case of pressure being less than 0.035MPa or less than 0.1MPa with very small capacity, select the other type (AT-1, AT-4 or AF-12 Type).

DIMENSIONS

(mm)

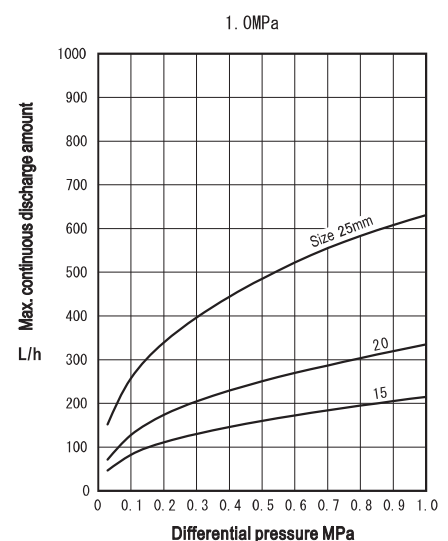
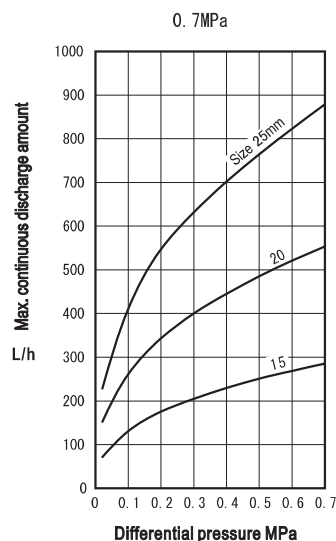
Size	d	L ₁	L ₂	G	H	Mass(kg)
15(1/2")	1/2"	130	76	72.5	68.5	2.7
20(3/4")	3/4"	148	87	88	74	4.4
25(1")	1"	184	94	98	81	5.8

TABLE FOR CAPACITY (Max. continual discharge amount)

(L/h)

Type	Size	Differential pressure MPa										
		0.035	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0.7MPa	15(1/2")	80	130	175	205	230	252	270	287	—	—	—
	20(3/4")	175	260	340	398	444	485	522	555	—	—	—
	25(1")	255	412	548	634	703	767	825	880	—	—	—
1.0MPa	15(1/2")	50	84	110	130	146	160	173	180	195	205	214
	20(3/4")	80	130	175	205	230	252	270	287	305	320	335
	25(1")	175	260	340	398	444	485	522	555	582	608	630

FLOW CHART



POINTS FOR SIZE SELECTION

Select a proper size that can meet the requirement on safety factor and allow at least 3 times of planned discharge volume.

In the case there is back pressure at the outlet side of trap, use the differential pressure between inlet and outlet sides to select the size of valve.

Note: Read POINTS FOR SIZE SELECTION AND INSTALLATION carefully (see Page 165).



CONSTRUCTION

