

QH-1 Type Noiseless Heater

This product can be used to reduce noise and vibration that occur when steam is blown into water for making hot water. It can also be used for heating bathtubs or other open type hot water tanks (66°C or below).

SPECIFICATIONS

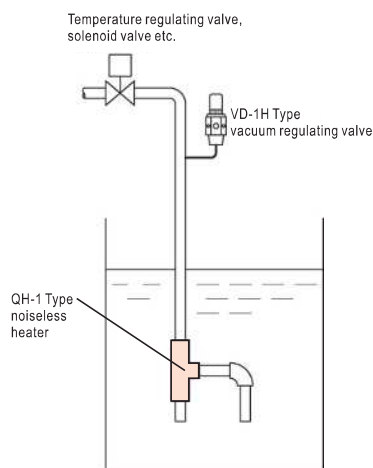
Model name	QH-1	
Code name	QH1-F	QH1-D
Applicable fluid	Steam	
Applicable pressure	Max. 0.7MPa	
Warning sound temperature limit	66°C	
End connection	Screwed JIS Rc	
Materials	Cast bronze	Stainless steel

DIMENSIONS

(mm)

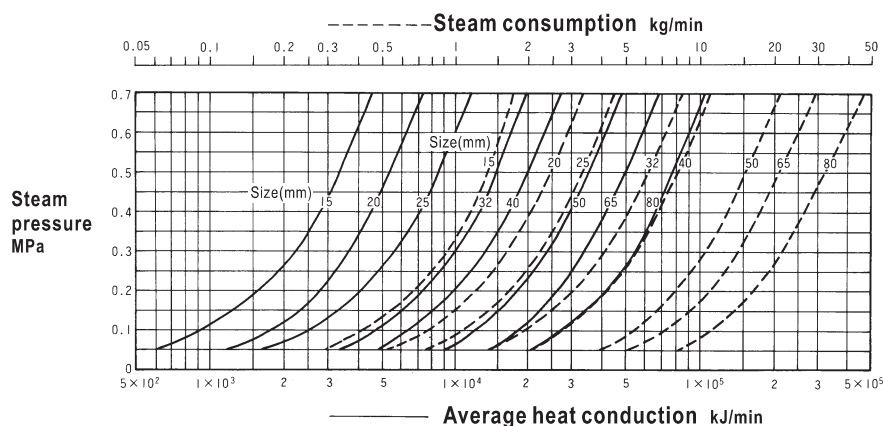
Size	15(1/2")	20(3/4")	25(1")	32(1 1/4")	40(1 1/2")	50(2")	65(2 1/2")	80(3")
A	54	62	75	93	110	140	155	180
B	54	63	75	91	109	130	154	170
C	25	31	37	45	50	65	85	88
d	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Mass(kg)	0.36	0.55	0.86	1.8	2.4	4	11	14

PIPING EXAMPLE



Note: 1. Submerge the noiseless heaters into water.
2. Install VD-1H Type vacuum breaker for preventing backflow of water that may occur when steam supply is stopped.

CAPACITY CHART

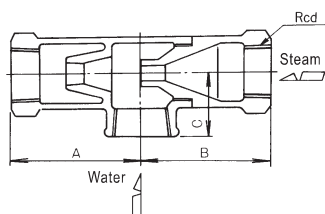


HOW TO USE THE CHART

The dashed line (---) stands for steam consumption.
The solid line (—) stands for average heat conduction.



CONSTRUCTION



Depending on the size and material of valve, the structure may vary.

VD-1H Type Vacuum Breaker

When the pressure gets down to the negative pressure below the set-press., the vacuum breaker will open to absorb air and prevent formation of vacuum in pipe or device. Installation of this item in steam pipeline with noiseless heater will prevent absorption of water that may occur when steam supply is stopped.

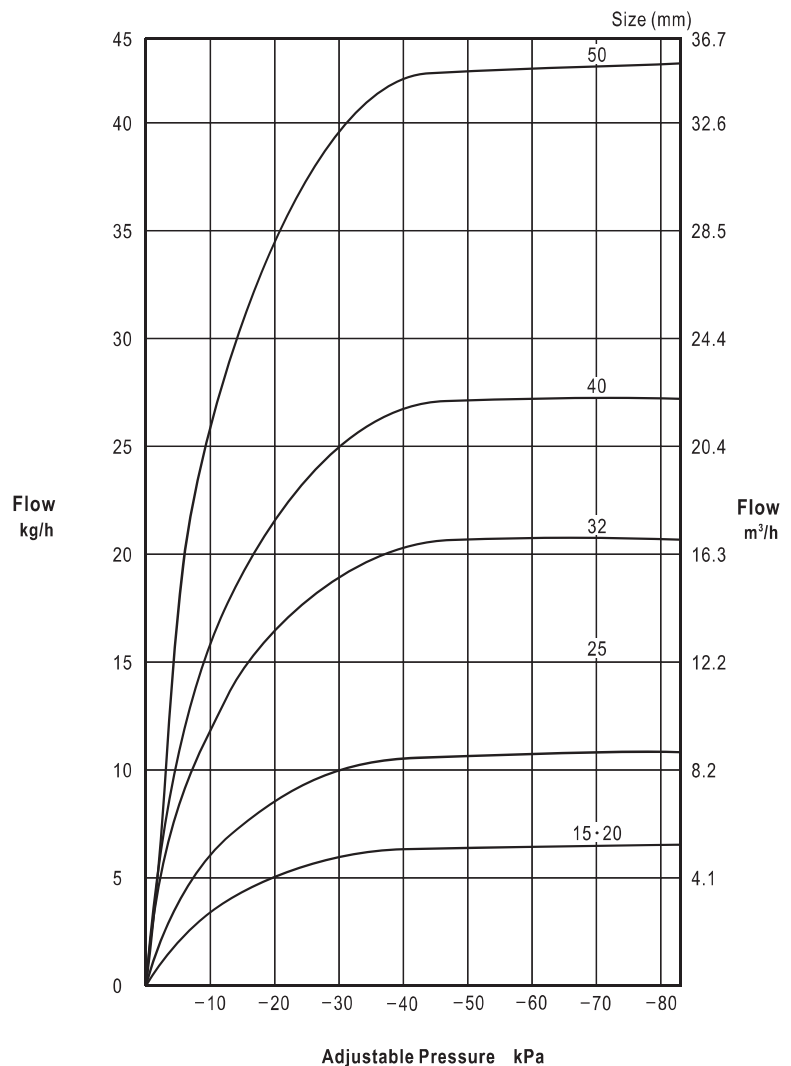
SPECIFICATIONS

Model name	VD-1H	
Code name	VD1H-F□	VD1H-D□
	※ 1, 2, 3 or 4 for adjustable pressure range No. is required in □.	
Applicable fluid	Steam & air	
Fluid temperature	Max. 200°C	
Applicable pressure	Max. 1.0MPa	
Adjustable pressure range	1: -0.5 ~ -22kPa, 2: -22 ~ -49kPa, 3: -49 ~ -76kPa, 4: -76 ~ -82kPa	
End connection	Screwed JIS R	
Materials	Brass or Cast bronze	Stainless steel

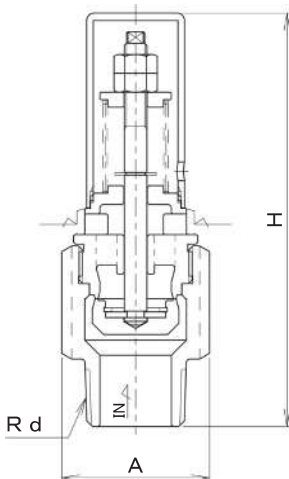
DIMENSIONS

Size	d	A	H	Mass(kg)
15(1/2")	1/2"	Hexa. 34×39.3	110	0.4
20(3/4")	3/4"	Hexa. 34×39.3	110	0.4
25(1")	1"	Hexa. 34×39.3	110	0.6
32(1 1/4")	1 1/4"	Hexa. 50×57.7	107	0.8
40(1 1/2")	1 1/2"	Hexa. 55×63.5	122	1.1
50(2")	2"	Hexa. 68×78.5	153	1.9

FLOW CHART



CONSTRUCTION



Depending on nominal diameter, the structure of the valve may be different from what is shown in the drawing.