

GD-55-80, GD-56-80

Home boiler regulator is mainly used for water supply to hot water heat exchanger. It maintains a stable water supply pressure in order to prevent heat exchanger body from high pressure.

Not just pressure reducing but also has functions of back-flow prevention, negative pressure operation, pressure balancing and strainer.

■Features

1. The valve is pressure balance structure.
2. Pipes can be installed either horizontally or vertically.
3. Valve and diaphragm are made of chlorine resistance synthetic rubber.



GD-55-80



GD-56-80

■Specifications

Application	Cold and hot water
Inlet pressure	100-750 kPa
Standard set pressure	80 ± 6 kPa
Body	Bronze
Diaphragm	Synthetic rubber
Valve - Check valve	Synthetic rubber
Strainer	Screen: Stainless steel Frame: Synthetic resin
Strainer mesh	60 mesh
Maximum temperature	60°C
Connection	JIS Rc screwed
Install direction	Horizontal and vertical

* Standard set pressure 65 kPa (JIS approved) is available for GD-55-65 and GD-56-65.

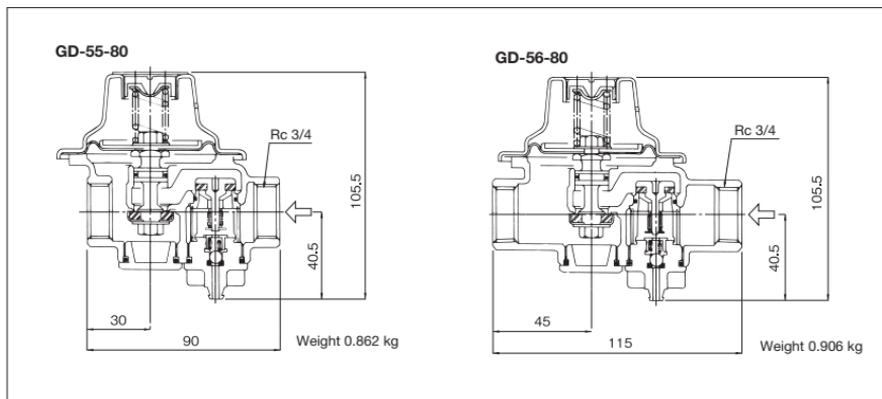
* Standard set pressure 30-200 kPa is available for GD-55 and GD-56.

■Performance Chart

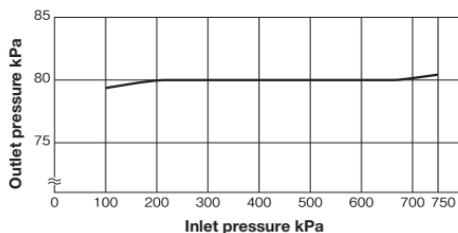
Open flow rate	30 L/min or more
Closing pressure of back-flow prevent function	3 kPa or less
Operate pressure of negative pressure operating function	Open: -55 kPa or less Close: 50 kPa or more

* Open flow rate indicates outlet flow rate, when maintain inlet pressure at 100 kPa and open up the outlet side.

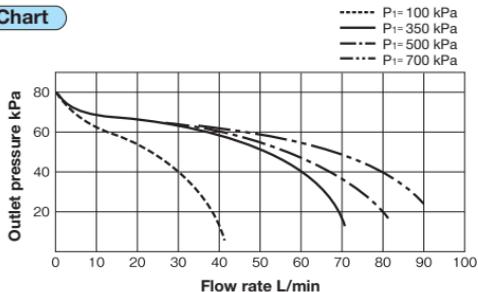
■ Dimensions (mm) and Weights (kg)



Pressure Characteristic Chart



Flow Characteristic Chart



■ Precautions for Installation and Operation

1. Clean up inside the pipe and remove foreign substances before installing the home boiler regulator.
2. Water may leak from the negative pressure operating function at the first time of water supplying. Please connect vinyl tube and conduct to drain.

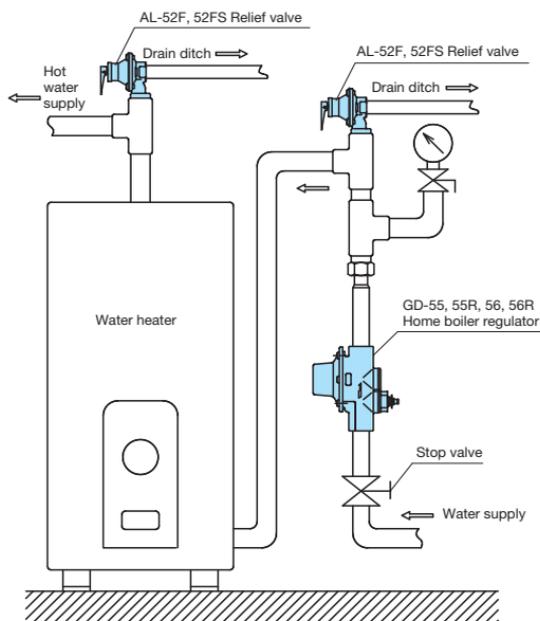
Maximum pressure of Water pressure reducing valve, Relief valve and Hot water heat exchanger

Unit: kPa

Water pressure reducing valve	Relief valve for hot water maker	Max. pressure of hot water heat exchanger
80	95, 97	100
85	97	
120	190	
150		200
170		

Attention Using the bold font valves to simple boiler (100 kPa) is illegal.

■Piping Example



■Precautions for Installation and Operation

1. Please be sure to remove foreign substances and scales from inside of the piping before connecting the product to the piping.
2. Install pipe at the relief valve outlet side and conduct to drain ditch. Also install the relief valve so as to check the operation visually.
3. Relief valve will be opened by lifting the lever horizontally. Please check the operation 1-2 times a month.
4. Styrofoam package can be used as heat insulating material to prevent freezing.