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~~ABSTRACT OF THE DISCLOSURE~~

PRESSURE REDUCING DEVICE, HOT AND COLD WATER SUPPLY SYSTEM
USING SAID PRESSURE REDUCING DEVICE, AND METHOD OF SELECTING
THE PRESSURE REDUCING DEVICE USED IN SAID SYSTEM

The invention provides a pressure reducing device, hot and cold water supply system using the same, and a method of selecting the pressure reducing device used in said system, thereby supplying water at a stable pressure even when the consumption amount varies. In the invention a main valve is provided, wherein a master valve 17, which opens and closes a valve port 11 that communicates with a valve-inlet pressure chamber 8 and a valve-outlet pressure chamber 9 that are provided in the interior of the main body 2, is urged in the closing direction by means of a spring 19 and a diaphragm 13 that is coupled with master valve 17 partitions a diaphragm chamber 14, which is provided at the rear side of diaphragm 13, and valve-inlet pressure chamber 8, and a pilot pipeline 3, having a pressure reducing valve 4 interposed between valve-inlet pressure chamber 8 and valve-outlet pressure chamber 9, is disposed and in pilot pipeline 3, by connecting a branch pipeline 3a, installed at the valve-inlet side of pressure reducing valve 4, to diaphragm chamber 14 and by disposing a restriction means 20 upstream of the branching point, the amount of water that is passed from valve-inlet pressure chamber 8 of main body 2 to valve-inlet pressure chamber 25 of pressure reducing valve 4 and diaphragm chamber



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~~14 is restricted by means of restriction means 20, the pressure~~
in diaphragm chamber 14 is made to drop to thereby cause main
body 2 to open when pressure reducing valve 4 is opened by the
consumption of water, thus causing the same amount of water
as the consumption amount to pass through main body 2 and thereby
preventing the valve-outlet pressure from dropping greatly.

~~(Figure 1)~~