



G00002

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 is disposed a restriction means 20 upstream of the branching point.

(Figure 1)



162162