

**PIPE MEMBER EQUIPPED WITH HEAT INSULATION CORE
PIPELINE, AUXILIARY HEAT CONDUCTION STRUCTURE AND
U-SHAPED ANNULARLY-DISTRIBUTED PIPELINE**

5

ABSTRACT

The present invention relates to a U-type pipeline capable of transferring thermal energy with each other in a radiate arrangement, wherein the piping segments of the U-type fluid piping inlet end and/or outlet end of the U-type piping capable of thermal energy transmission with
10 each other in the radiate arrangement are directly made of thermal insulating materials, or a thermal insulating structure is installed between the inlet end and the outlet end; and the exterior of the thermal insulating device (400) is further installed with an auxiliary thermal conductive structure (110) made of thermal conductive material, thereby preventing the thermal insulating
15 device (400) from generating thermal resistance in the columnar thermal conductive body (300).

Figure 4