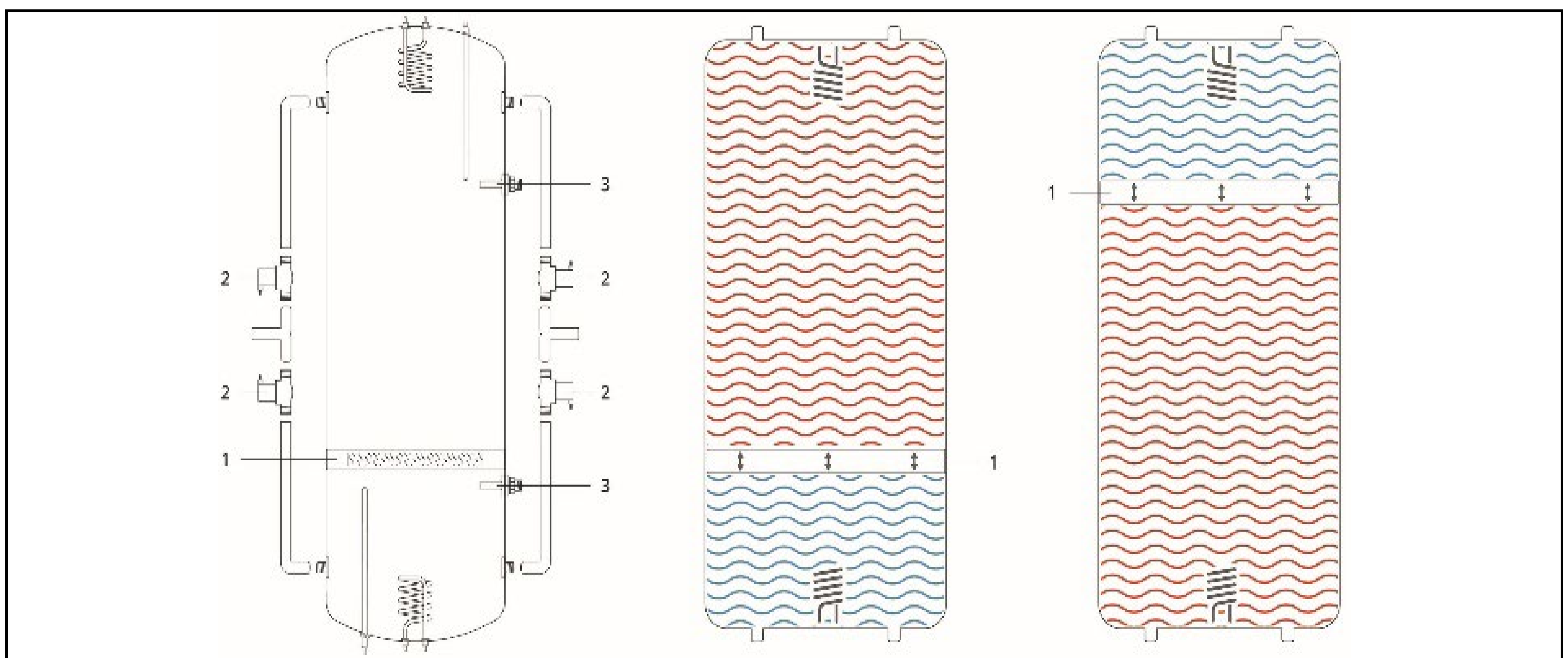


SELF-ADJUSTING WATER HEATING TANK

THE PROPOSED TANK IS CHARACTERIZED BY A **CIRCLE FLOWING PLATE**, MOVING BACK AND FORTH ALONG THE TANK AND, SO, **LEVELING AND KEEPING TEMPERATURE AT THE PROGRAMMED DEGREE**

The idea relates to a **continual exchange of the incoming cold and outgoing heater water temperatures**, regulated by Hall sensors, making the separating plate simultaneous movements. So, **there are practically “two boilers”, ensuring permanently constant water temperature.**

ADVANTAGES: **a)** Improved heating efficiency; **b)** Reduced electric power consumption; **c)** Reduced tank size



1) Moving plate, 2) Electromagnetic valves, 3) Hall sensors holders