

**Mechanical Emergency
Blocking Valve (safety device)
for water provision**

Mechanical water emergency shutdown device

- Against the background of the fact that the shortage of fresh water is growing all over the world, it is not permissible without a target consumption, and even more so a water spill with the consequences of large damages as a result of flooding of buildings and other property;
- This consequence, in turn, additionally affects the excessive consumption of natural resources, increasing the negative impact on the environment;
- Just as the safety and conservation of power grids is important, which is a constant task of the entire population, so is the safety and conservation of centralized fresh water and natural gas supply. The innovation concerns the growth of this very task.

description of the problem



The challenge is to prevent unauthorized water spills, reduce the likelihood of spillages at the joints in order to save missing fresh water resources left unattended, and eliminate property damage caused by water spills.

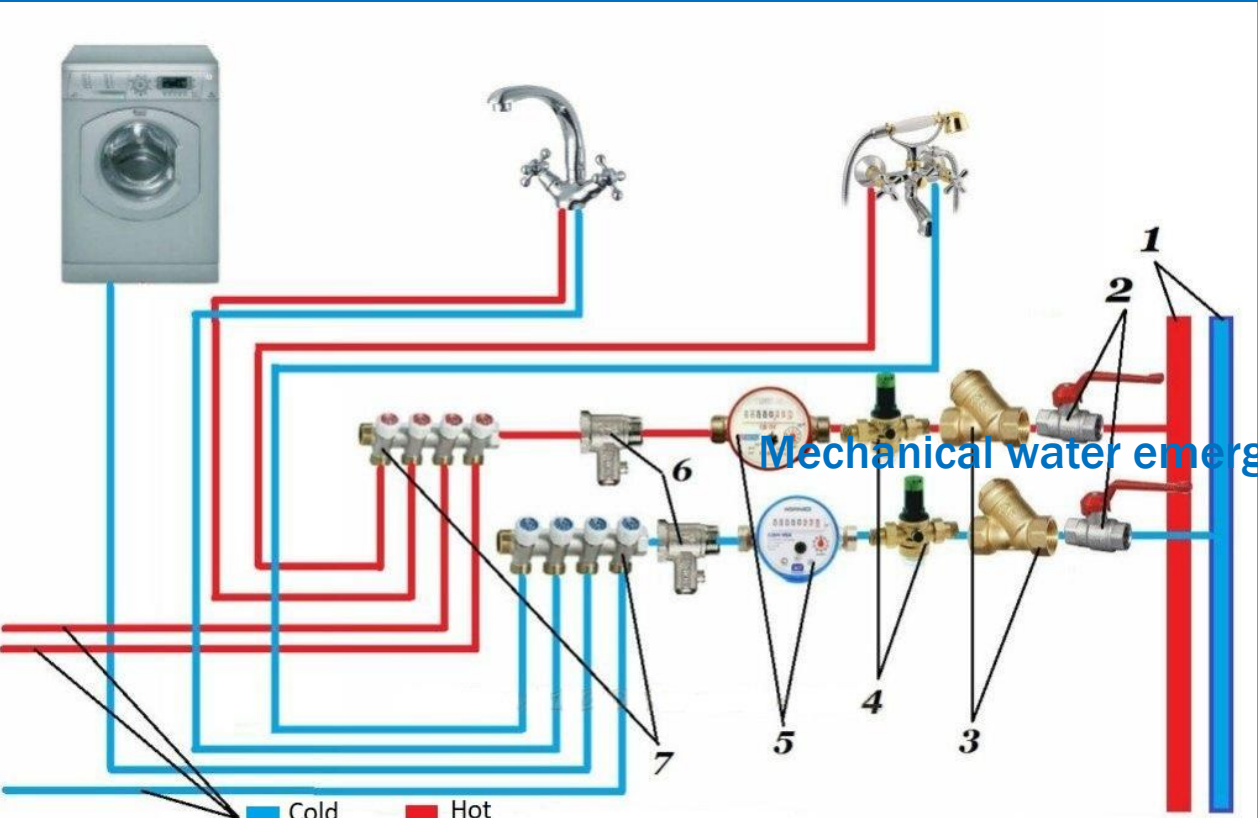
Still unresolved problems



- **So-called “Smart Water Valve” do not solve this problem;**
- **Complex systems;**
- **Power supply and GSM required**

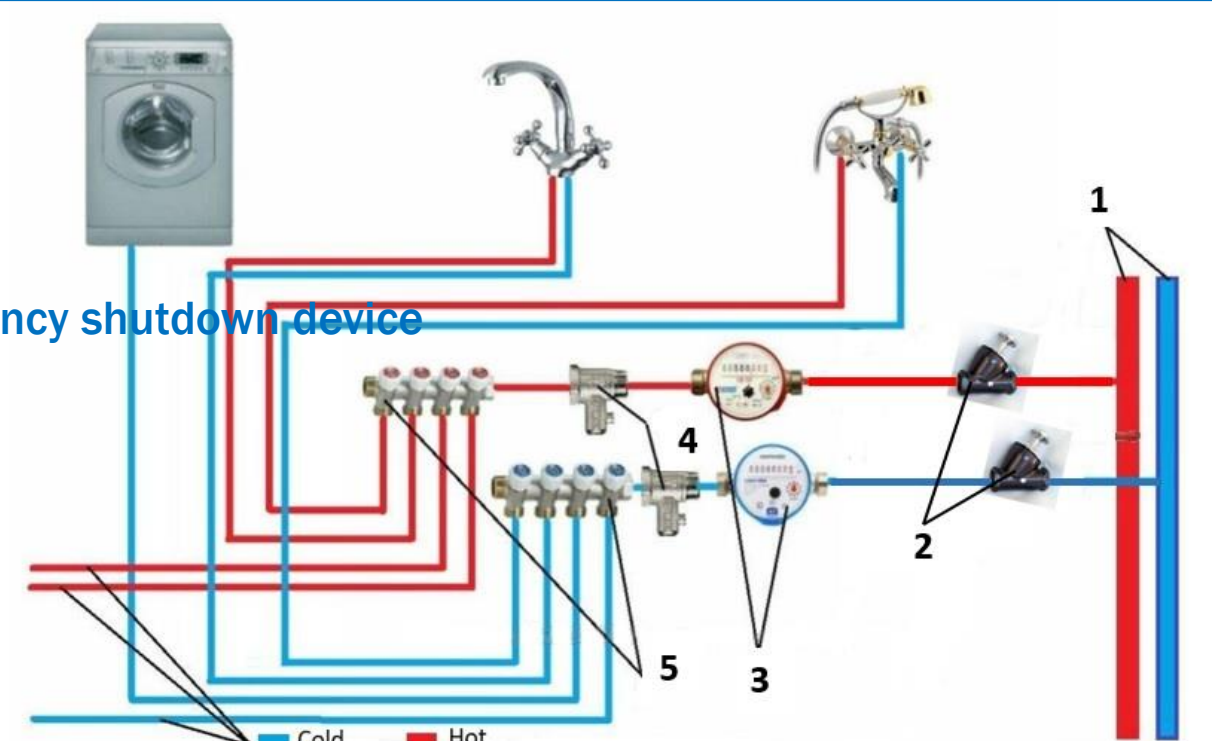


Solution d your third bullet point here



Mechanical water emergency shutdown device

- 1. Cold and Hot water pipes;
- 2. Gate or ball Valve;
- 3. One way Valve;
- 4. Solenoid valves;
- 5. Flow meters;
- 6. Fittings;
- 7. Line Valves.



- 1. Cold and Hot water Pipes;
- 2. Emergency Valves including inside Gate Valves and One-Way Valve;
- 3. Flow meters;
- 4. Fittings;
- 5. Line Valves.

It can be considered unique that a simple mechanical device provides:

- **Prevention of flooding of buildings and objects;**
- **Prevention of non-target water consumption;**
- **In place of three products and 6 points of joint with the pipeline, one device performs all three functions (Main inlet valve, One way valve, Emergency valve) and has only 2 joints (inlet and outlet, which is very important for reducing the flow resistance).**

Mechanical water emergency shutdown device



3 Device in 1



- One way Valve



- Main inlet valve



- Mechanical Emergency Valve

