



ENGINEERS' FILE

Engineers' Mandate:

- 1- Identify the missing structure on the model of pump presented.
- 2- After studying the diagrams of 4 existing pumps, choose a technological solution to make this pump functional and efficient. Your solution must be accompanied by a principle and construction diagram.
- 3- Diagram your solution beginning from when the presented pump starts. Your solution must be watertight. Different solutions may be detailed within this work group and brought back to your original team!

Working document

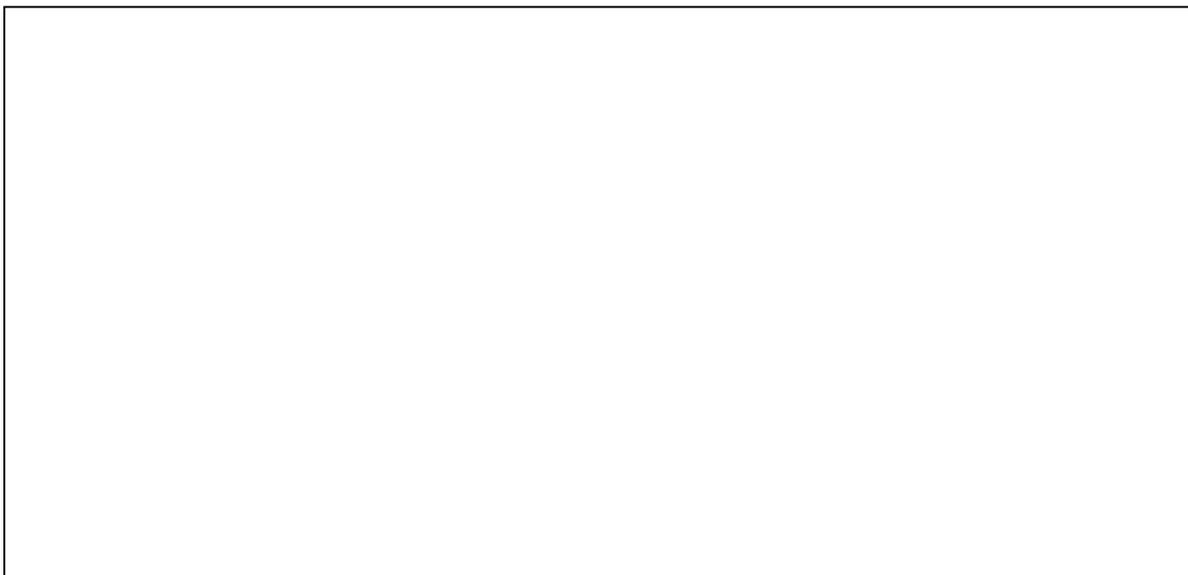
Identify and choose the representation of pumps that include a valve mechanism that ensures the liquid circulates in one direction only. Draw a general diagram of the retained solutions.



Characteristics retained for each type of valve chosen:

Strategy: Choice of a solution adapted to the constraints of the supplied pump: justification and pertinence of choice. Advantages, disadvantages and possible improvements.

Diagram of chosen solution (representation of the movement of the parts of the valve and of the liquid).



Representation of the assembly of the pump and valves. (General diagram)

