

Steam engine is polytechnic toy, which presents mock-up real steam engine and working same principle. It is possible it use for drive model machine. Turning machinery is in both directions. On base is fixation hearth with steam-boiler, furniture fittings and support with steam cylinder and divorce and crank mechanism. Vapor goes through pipe to kettle-drums. We use dried spirit (esbit) as fuel (or warming gel for camping "Ecoflame").

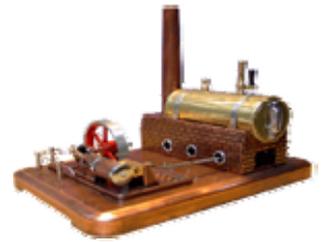
The instructions to operation



1. Place the steam-machine on a firm and non-flammable surface.
2. Pour cca 150ml of pure warm water in the boiler through the hole for the whistle or safety-valve. Use the enclosed funnel. Make sure that there is not more water than two thirds of the boiler content. Watch the level of water in the water-glass on the side of the boiler. The water may not ascend to the water-glass because of the surface tension of water - this problem will be avoided if you blow into the boiler. After having filled the boiler by water put the enclosed gaskets on the whistle and the

safety-valve and screws them into the holes on the boiler.

3. Put the chimney on the steam-machine and check if all the gaskets are on. Oil all the movable components slightly to make their function easier (shaft of the flywheel, cam on the weight, piston and slider in the valve mechanism cube)
4. Break into pieces one cube of the dried spirit and place it to enclosed burner. Set it on fire and insert it to the fire-place under the boiler.
5. Open the whistle (by setting lever vertically) and wait until the whistle start sound.
6. Close the whistle and turn round the flywheel few-times in any direction. It will make the machine run. In case that the machine does not run (due to transportation, careless manipulation, etc.) is possible to set the machine by moving the valve mechanism cube to which the inlet pipe leads. It can be moved softly in the direction to the flywheel or in opposite direction. The setting is possible after untightening of two screws only which hold the cube on the base. After setting the machine is necessary screw them up again to keep the right position of the mechanism.
7. It is necessary to watch and refill the water in the boiler continuously.



Warning:

- A. Do not touch the surface boiler and the fire place when in function or after it! The skin may be burned.
- B. About two cubes of dried spirit are necessary to start the function of the machine when the cold water was poured in the boiler
- C. When using the machine longer all the movable components must be oiled more often. Also the screws on the water-glass must be tightened and the gaskets may need to be replaced.
- D. It is recommended to empty off the boiler before storing the machine, as well as cleans it carefully and oils all the movable components and all the metal and polished parts of steam-machine. When all those instructions are kept you will be satisfied with the function of the machine.
- E. The dried spirit is not a part of this product.