

The present invention relates to the field of technology, namely to mechanical engineering, and can be used in pumping units of the coal industry when stopping the pump to protect against water hammer. The jet diode contains a supply pipe, two adapters and an outlet pipe. The adapters are connected to the supply pipe at a symmetrical angle and have cylindrical vortex chambers at opposite ends. The vortex chambers are hydraulically connected to the outlet pipe by means of tangential pipes, the connection of which with the vortex chambers is made from opposite sides of the latter, and the outlet pipe is located on an axis common to the supply pipe. The use of a jet diode allows, with the same loss of pressure of the liquid flowing through it in opposite directions, to have a significant difference in the amount of its consumption, which is the diode property.