

Flood protection

Floods cause damage especially to households , infrastructure and businesses that are found in natural floodplains. Just restore the flooded subway in 2002 was about 7,000,000,000 CZK, total damages are in the tens of billions.

Protection of the area affected by frequent floods or drought

The original solutions to reduce and control the level of water flow in the section affected by floods and flood using a device that accelerates the flow of the watercourse protected areas and causes rapid dissipation of the flow of protected areas that would otherwise freely flow through the channel.

Equipment lowering rozvodňujícího the water flow in a given section of a partial separate rapid discharge of water is based on the principle that the liquid always flows from areas of higher pressure (higher pressure potential energy) in place of lower pressure (lower pressure potential energy).

Water flows through the device much faster than water flowing freely trough, leading to its rapid runoff from the site estuary device on the front of the protected area and is transported rapidly to the point where they exit devices, therefore the end.

The amount of flowing water is split between the trough and equipment and for protected areas , the two streams together again. The flow rate of water flow is the same before and after the device and to reduce the water flow freely flowing trough occurs only in a limited section of the device.

The device consists of at least one pipe and/or tunnels and/or drifts of the same and/or unequal cross - deposited simultaneously or otherwise, at the bottom or at the bottom or below the bottom of the watercourse, or at another suitable location, which device is provided to accelerate the flow of water, consisting of at least one turbine and/or pumps and/or pumps and/or other devices to accelerate the flow.

Entrance area facility is located in front of the protected area and is provided at its entrance means to prevent ingress of coarse objects and debris outlet is located in a protected area nonthreatening reflux. The equipment is properly sized.

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