Hydroelectric Power Plants

Comprehensive safety for hydroelectric power plants

The ADAMS hydroelectric power plant programme covers all areas of application. From pipe-rupture to turbine protection and the environmentally compatible outlet of water. In terms of safety our products offer absolute reliability and also guarantee tight closure in any demanding situation.

Stop- and throttle valves

Whether at the beginning of the pressure pipe for pipe-rupture protection or when it comes to protecting turbines from overrunning; our stop- and throttle valves are ideally suited for critical situations. The valves are welded in high-quality steel, the valve discs are hydrodynamically shaped to minimise pressure losses and the valve remains absolutely tight in all operating situations.

Spherical valves

At high operating pressures our spherical valves are recommended for use as safety and check valves. They close automatically by weight or flow. Their two sealing systems make it possible to carry out maintenance work without having to empty the pressure pipe.

Hollow-jet valves

Our hollow-jet valves have proved their high efficiency in hydroelectric power plants and irrigation dams. They ensure a regulated and environmentally compatible outlet of water either to the outside or into underwater tanks. The water is also enriched with oxygen at the same time. Their high-quality steel construction combined with elastic/metallic sealing enables energy dissipation without cavitation.

Accessories

depending on the requirements of the plant, ADAMS offers the matching accessories such as aerating and venting valves, overspeed detectors, bypasses, installation and extension pipes, plunger valves and needle valves.