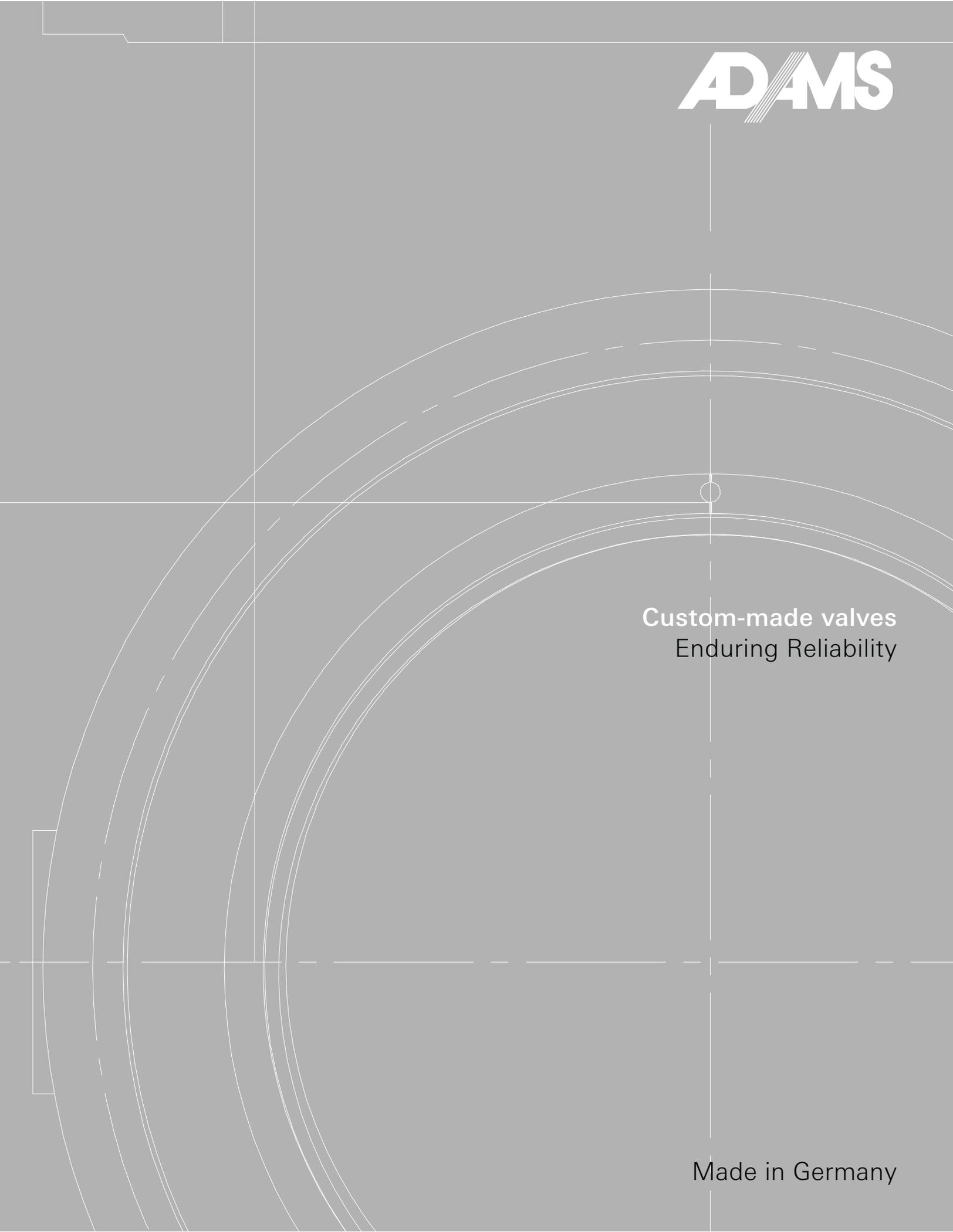




# ADAMS



Custom-made valves  
Enduring Reliability

Made in Germany

# HYDROELECTRIC



Stop- and throttle valve

## 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 valve

### Spherical valves

At high operating pressures our spherical valves are recommended for use as safety and check valves. They are either welded or forged in high-quality steel. 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 valve

### 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.

### Facts & Figures

#### NPS

Stop- and throttle valve  
DN 200 / 8 inches up to DN 4200 / 168 inches  
Spherical valve  
DN 200 / 8 inches up to DN 2000 / 80 inches  
Hollow-jet valves  
DN 200 / 8 inches up to DN 3500 / 140 inches

#### Pressure Class

Stop- and throttle valve  
PN 2 up to PN 30 / depending on the nominal width  
Spherical valve  
PN 20 up to PN 160 / depending on the nominal width  
Hollow-jet valve  
PN 2 up to PN 30 / depending on the nominal width

#### Valves designed in accordance with international standards, e. g.

DIN EN / ISO, ANSI, API, ASME, MSS, BS, AFNOR, GOST

#### Operation

Manual, pneumatic, electric, hydraulic (oil or water)