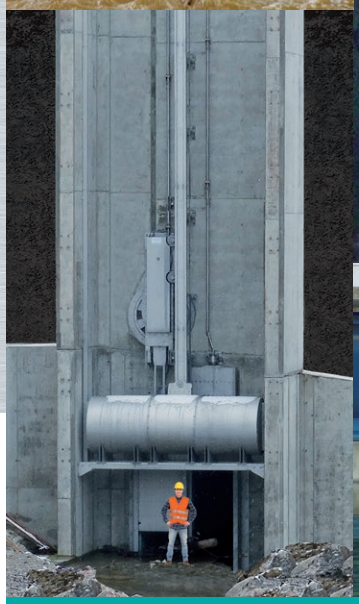
Steinhardt HYDROLATCH®
FRB EQUIPMENT



HydroLatch® FRB Equipment

Long-life, low-maintenance components
for flood protection

Steinhardt®
Water Technology Systems

HydroLatch® FRB Equipment

Long-life, low-maintenance components for flood protection

The Challenge

Flood protection generally refers to man-made structures and facilities. In this context, flood retention structures and polders are highly complex structures for retaining flood water. They include not just extensive earthworks but also technical equipment.

- **for the flooding of polders (Fig. 1)**
- **for the draining of polders (Fig. 2)**
- **for breaking up rockslides (Fig. 3)**
- **for the retention of alluvial debris and rubble (Fig. 4)**
- **for constant flow rates draining the FRB (Fig. 5, 7, 9, 10)**
- **for braking the flow (Fig. 6)**
- **for setting overflow levels (Fig. 1)**
- **for guiding amphibians (Fig. 8)**

The construction and the technical components have to be compatible and form a coherent unit. The dimensioning of technical equipment has to be future-proofed, safe and durable.

The Products

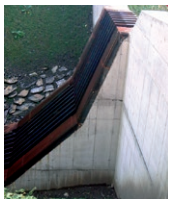
Steinhardt GmbH has been successfully delivering flood protection projects for many years. We help with engineering and we won´t let you go under. Our technical equipment is made from stainless steel. It is solid, durable and operates, wherever possible, without electricity. This means that installation far away from human habitation is a viable option. Steinhardt GmbH designs and manufactures facilities and equipment for four main points of focus.

1. Floodwater retention,
2. in alpine regions,
3. in urban areas,
4. in rural areas.

1. Floodwater retention at waters

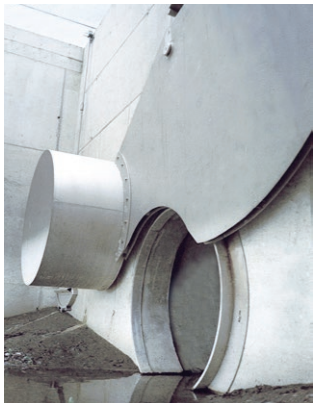
▲ Fig. 1: Fish-belly gate
◀ Fig. 2: Draining

2. Floodwater retention in alpine regions



◀ Fig. 3: Rockslide break
▲ Fig. 4: Rubble catch and throttle structure
▶ Fig. 5: HydroSlide® Flow Regulator

3. Floodwater retention in urban areas



▲ Fig. 6: HydroStyx® Discharge Brake
◀ Fig. 7: HydroSlide® Flow Regulator
▶ Fig. 8: Amphibian guide

4. Floodwater retention in rural areas

◀ ▲ Fig. 9+10: HydroMaxx Flow Regulator

Steinhardt GmbH · Röderweg 8-10 · D-65232 Taunusstein-Bleidenstadt
Tel. +49 (0) 6128 9165-0 · Fax +49 (0) 6128 9165-27 · info@steinhardt.de · www.steinhardt.de

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