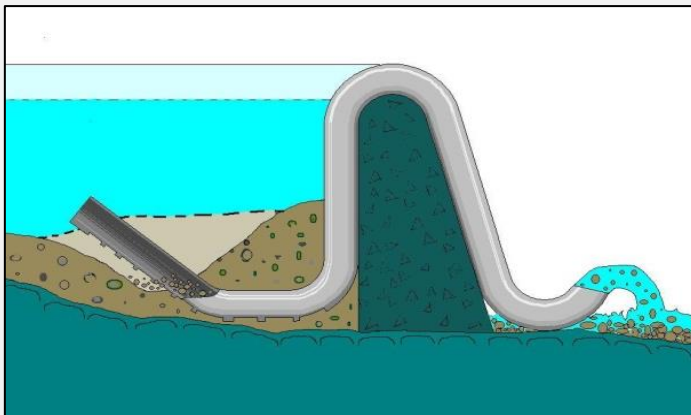


## SediCon Gravel Excluder

The SediCon Gravel Excluder is a gravity powered sediment removal system



Principal sketch



Gravel Excluder at Laxá III

### General Principle

The Gravel Excluder is a fixed system designed to maintain intakes clean of sediments. The design of the suction head allows removal of sediments up the size of the pipe whereas it at the same time prevents the suction pipe from blocking.

### No movable parts

The outlet of the system can be a valve, a gate or an open siphon. The valve/gate is the only movable part, which means that the system is highly reliable and has low maintenance requirements.

### Starts and operates automatically

When the outlet is an open siphon, the operation starts automatically once water level rises. There is therefore no need of remote control or monitoring.

### Uses only surplus water

The system uses only surplus water, which means that there is no production loss.

### Removes sediments while there is sediment transport in the water system

The design of the suction head allows removal of sediments up to the size of the pipe, whereas it at the same time prevents the suction pipe from blocking.

### Abrasion resistant

HDPE is a robust and non-corrosive material.

### Easily adapted to existing structures

SediCon provides custom design for each project. The Gravel Excluder can remove up to 800 mm stones as standard, but larger diameters can be made upon request.

SediCon is the leading supplier of sediment handling worldwide and provides reliable solutions with low water consumption and uninterrupted power production.