

sismat

EXTENSIVE SOLUTIONS FOR WATER DIVERSION

Flow Control Equipments





EXTENSIVE SOLUTIONS FOR WATER DIVERSION

Flow control equipments are used in controlling water diversion, flow direction and in ensuring smooth distribution. They are considered to be the key elements of treatment plants. The security of the design serves a great importance, especially in times of emergency and plant maintenance.





Simat provides four major types of flow control equipment:

- Penstocks
- Adjustable weir
- Telescopic valve
- Stop-log



Penstocks – SKK

Penstocks that are used in pool inlet and outlets and in distribution systems are among the key devices in water and wastewater plants. In tank entries and exits, the sluice gates used in distribution systems move vertically. Depending on where they are used, they are mounted on the wall or to the channel. Optimally designed according to their installation mode and flow direction, penstocks assure 100% security with their anti-leak feature.

Specifications

- Provides various solutions with its manual, electric motor or pneumatic models.
- Thickness of body and chassis is calculated according to the water pressure.
- Depending on preference, fixed or ascending on-off button can be used.





Adjustable Weir – SAS

Adjustable weirs are mostly utilized to balance the water level in aeration tanks or distribution units. They are mostly operated with proportional control.



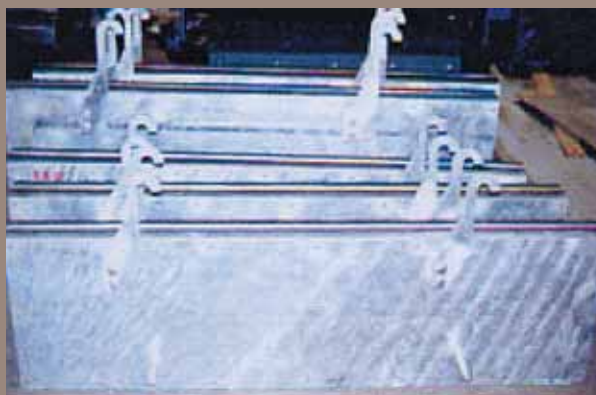
Telescopic Valve – STV

Telescopic valves mounted on the pipe, control the water inlet depending on the water level within the tank. They are used in deep channels, mud capturing systems and sucking scrapers.



Stop-Log – SSL

Because they are cost-effective, stop-logs are preferred at points where flow control will rarely be required. Stop-logs are fitted in the channel at points where service or maintenance will be required. Inserting a number of steel plates into the stop-log frame interrupts water flow. A lifting device and pulley are provided for the purpose of removing the plates for releasing the flow after the maintenance period.



PRE-TREATMENT EQUIPMENT

- Screens
- Screening Compactor
- Grit Classifier

TREATMENT EQUIPMENT

- Screw Pump
- Surface Aerators
- Scrapers
- Thickeners
- Flow Control Devices

DEWATERING EQUIPMENT

- Pre-dewatering Belt
- Beltpresses
- Filterpresses
- Chemical Preparation and Dosing Units

PACKAGE TYPE BIOLOGICAL TREATMENT PLANT

- BIOPAK

FILTRATION UNITS

- Pressure Sand Filter
- Ion Exchanger
- Activated Carbon Filter

OTHERS

- Screw Conveyor
- Belt Conveyor
- Double Shaft Mixer
- Container Station
- Oil and Grease Separators

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