

STOPLOGS



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STOPLOGS

General Description and Intended Use

Stoplogs are used for stopping water flow with intervention. They are designed with different dimensions according to the water load to be carried and the place to assemble. It is generally used in wastewater treatment facilities in water intake structures.

ADVANTAGES

- Economical and Resistant Design,
- Manufacturing in Several Dimensions,
- Suitable for Outdoor Operation,
- Possibility of Operating in Deep Channels,
- Serving Different Water Levels with Overlapping Segmented Design,
- Long Operation Life,
- Easy Maintenance and Low Maintenance Costs,
- Maximum Sealing.

Working Principle Of Equipment

stoplogs, opening-closing In actions are conducted differently from other penstock types. Stoplog lifter mechanism connects to from carrier shaft and moves in vertical direction with the help of a crane. When stoplog is leveled down to channel / housing, lifter mechanism automatically releases stop log with the help of the shaft. Stop log in channel / housing will be taken out with the help of lifter mechanism. When stop log is being removed from channel/housing, 2 water passage valve on the stop log body opens with the carrier shafts being pulled up. Thanks to these passages water loads back and front balances and stop log is taken out from channel easily. Gaskets used for ensuring sealing are mounted on the moving cover. When stop log is left in channel / housing, gaskets in the cover frame are crushed and ensure sealing.

ACCESSORIES

- Lifter Mechanism
- Alignment Wheels
- Balance Valve
- * Optional accessories are defined.

TECHNICAL SPECIFICATIONS

- Stoplogs are manufactured to provide suitable sealing in accordance with ANSI / AWWA C561 standards.
- According to sealing type, it is manufactured with gaskets from 3 or 4 edges.
- It is manufactured to be suitable for operating in deep channels.
- The sealing gaskets which are suitable for the process that the cover will be operated are selected.
- Safe tension and portion values are calculated by taking maximum water load on the cover and operation conditions into account. Stoplogs are designed and manufactured according to this calculation.
- Since gaskets are placed on the cover, they can be easily replaced without the need of underwater intervention.
- As all stoplogs are designed according to detailed resistance calculation, material thickness and sizes are selected in an optimum level.
- With the lifters manufactured in alterable measurements, possibility to intervene more than one stoplog.



Material Details

- Stoplog Housing: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or S235JR + Epoxy Painted.
- Moving Cover: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or S235JR + Epoxy Painted.
- Shaft: They can be manufactured as DIN 1.4301 (AISI 304), DIN 1.4401 (AISI 316) or S235JR + Epoxy Painted.
- Gaskets: They can be manufactured as EPDM or NEOPREN.

"Different materials can be preferred in accordance with the request of the customer."

No	Part Name
1	Carrier Hook Lock Log
2	Lifter Frame
3	Lifter Carrier Hook Lock and Drive Shaft
4	Lifter Guide Wheel
5	Lifter Guide Block
6	Guide Carrier Hook
7	Stoplog Carrier Shaft
8	Stoplog Lifter Drive Shaft
9	Sealing Gasket
10	Stoplog Guide Wheel
11	Stoplog Vertical Tie
12	Stoplog Suspending Shaft
13	Stoplog Horizontal Tie
14	Shaft Bearing Log
15	Balance Valve



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