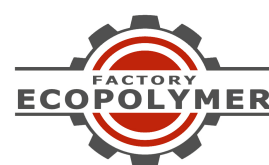


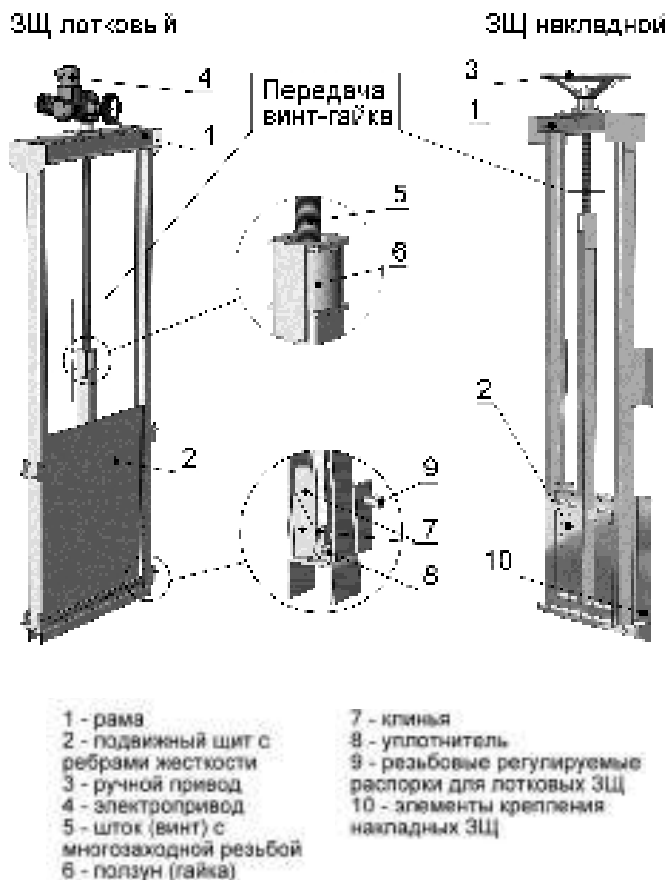


## SLUICE GATE OF STAINLESS MATERIALS

MODERN EQUIPMENT FOR WATER TREATMENT TECHNOLOGIES



## SLUICE GATE



Sluice gate (SG) is designed for operative cut-off or regulation of the flow of water and other liquids. SG is installed in open and closed gravity chutes, channels, distribution chambers, buried wall openings and collectors of large cross-section.

«EcoPolymer» offers a wide model and dimension range of gates suitable for the most diverse technological tasks of the Customer.

Sluice gates manufactured by «EcoPolymer» are divided into the following groups:

- In accordance with their technological purposes: cut-off and regulating ones. Regulating SGs can be overflow (regulating the flow by overflowing liquid through the top edge of the gate or the overflow dike) and non-overflow ones (not permitting water overflow the gate).

- In accordance with the type of installation: the tray ones (installed in the wall chase in the channel wall), overhead ones (installed on the opening of wall) and flanged ones (installed on the pipe).
- In accordance with the type of overlapping of the water section: the surface ones (with sealing on the three sides of gate) and deep ones (with sealing on the four sides of gate).
- In accordance with the direction of flow (pressure) of the medium: one- and two-sided ones.
- In accordance with the type of drive of the movable gate: the gates with manual drive, with manual reducing gear and with electric drive.

For SGs with a drive servicing platform located at a height exceeding the height of movable gate 3 or more times, a design with a stem extension (screw) and a separate drive column has been developed.

For an SGs with a shield width more than 2 m and a ratio of the width of the movable shield to its height more than 1.6 times, a design, in which the movable shield is moved by two rods is developed. Torque from the drive to the rods is transmitted through a common shaft and two angular reducing gears.

All sluice gates manufactured by «EcoPolymer» are produced of high quality stainless steel and other corrosion-resistant materials.

## EFFICIENCY

High efficiency of sluice gates and their guaranteed leaktightness is achieved due to the fact that:

- the design uses screws with a multiple thread which allow optimizing the opening-closing time (for regulating gates – their moving) of the movable shield;
- several seal models with specially developed original sections are used in the design. These seals make it possible to rationally use the medium pressure, which reduces the material consumption and energy capacity of the gates while ensuring their leaktightness.

## MAIN ADVANTAGES

- All models of seals for gates are made by a non-moulded method of high-quality rubber produced using rubber grade ТМКЩ technology with inoculating modern special additives that improve the performance





characteristics of the sealant, its durability and resistance in corrosive media.

- A feed-nut assembly screw of the sluice gate lifting mechanism is made of high-quality stainless steel, and the slider is made of special bronze, which ensures reliable operation of the transmission for a long time.
- The gates are distinguished by increased maintainability due to their collapsible design: the simplicity of replacing the seal, bearings, screw and slider of the screw transmission is performed without demounting the sluice gate frame.

**INSTALLATION AND FURNISHING**

All the sluice gates manufactured by “EcoPolymer” are convenient and easy to install.

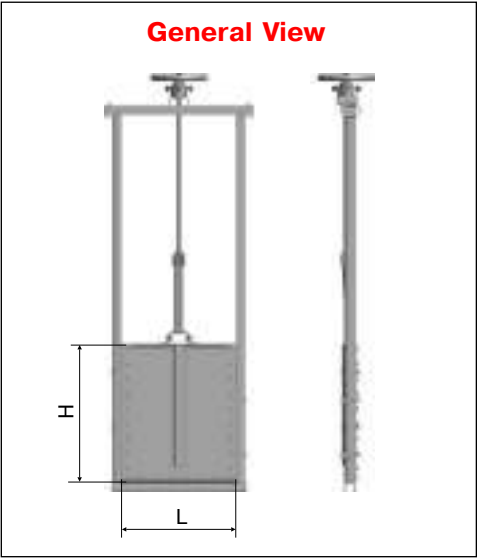
- The delivery kit includes the following:
- sluice gate;
  - the operating and installation manual, additional brief installation instructions with mounting drawing (fixed to the frame or the screw of the sluice gate);
  - for the SG with electric motor drive, the geared motor data sheet and, optionally, integrated into the drive or separately installed electric drive control cabinet;
  - for tray SGs with installation in the wall chase: adjustable threaded spacers integrated in the frame;

- for overhead and tray SGs with non-wall chase installation: all necessary fastening and sealing elements, anchors and other necessary fasteners.

**SERVICE**

We perform full package of installation and commissioning works, personnel training, warranty and post-warranty servicing of supplied equipment.

**The sluice gates manufactured by «EcoPolymer» are guaranteed for 3 years!**



*The sluice gates manufactured by «EcoPolymer» are a reliable and convenient solution for cut-off or regulation of the flow of water and other liquids at a reasonable price.*

**BASIC TECHNICAL SPECIFICATIONS**

Parameter	Amount
The width of flow cross section, L, mm	300 - 2200*
The height of flow cross section, H, mm	300 - 3000*
Drive type	manual, reduction gear, electric drive
The leakage class of gate according to GOST R 54808:	
– cut-off g.	A or F
– regulating g.	A or F

\*Sluice gates with dimensions larger than those quoted are manufactured only upon agreement with the Customer concerning the method of their transportation and installation (special transportation or large-scale assembly on site).



## WHY DO CUSTOMERS CHOOSE EQUIPMENT MANUFACTURED BY ECOPOLYMER?

- we have been successfully working in the sewage treatment market for already 27 years;
- our equipment ideally meets the criterion of QUALITY-PRICE;
- we provide a WARRANTY for the manufactured products;
- we provide INTEGRATED SERVICES including:  
advising and equipment selection, sales of individual components and complete sets up to subsequent maintenance service;
- choosing our equipment, the Customer provides RELIABILITY AND COST-EFFECTIVENESS in operation of wastewater treatment plants;
- more than 1000 enterprises of the industry have already chosen the equipment manufactured by «EcoPolymer».
- It's time for QUALITY, MODERN TECHNOLOGIES AND TAKING INTEGRATED SOLUTIONS now.
- Manufactured in Russia according to the programme of IMPORT PHASE-OUT.

***... our equipment will solve your tasks in ecoLOGICALLY-FRIENDLY way!***

### MODERN EQUIPMENT FOR WATER TREATMENT TECHNOLOGIES

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