

Sluice gates SR, SE, STR, STE

Small and regular-sized sluice gates are devices used for restriction or regulation of flow of water in open channels, and for closing wall openings of tanks, sumps, etc. The closure is provided by a vertical reinforced plate, seated in a guiding frame and sealed along the edges. Raising and lowering of the plate is controlled by a threaded rod with a handwheel (SR, STR models), electric actuator (SE, STE models) or portable "T-key" (SR-K models). These controls can be either fitted on a stand, or installed on the extended frame beam. The threaded rod is either ascending, where the plate moves up or down together with the rod, or non-ascending, where the rod is fixed and only the plate moves. In case of large sluice gates, the plate is lifted by two threaded rods using gearboxes. Special regulating sluice gates are also available, which enable regulation of flow rate by setting the plate into a desired position, and also flood sluice gates, providing flow regulation as well as full closure.



Material: all parts made of stainless steel, plate guides made of plastics, seals made of rubber.



ISO 9001

WASTEWATER TREATMENT PLANT EQUIPMENT

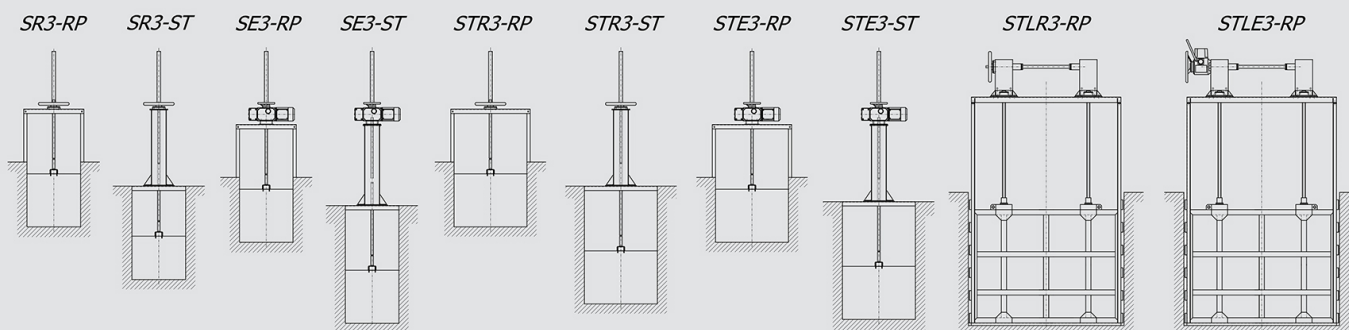
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Overview of small and regular sized sluice gates

The sluice gate type codes will be specified in the manufacturer's proposal. Each inquiry must specify the required dimensions: **B x H / V_g x Z** channel or opening width - **B**
channel depth or opening vertical alignment - **H**
required plate height - **V_g**, plate lift - **Z**

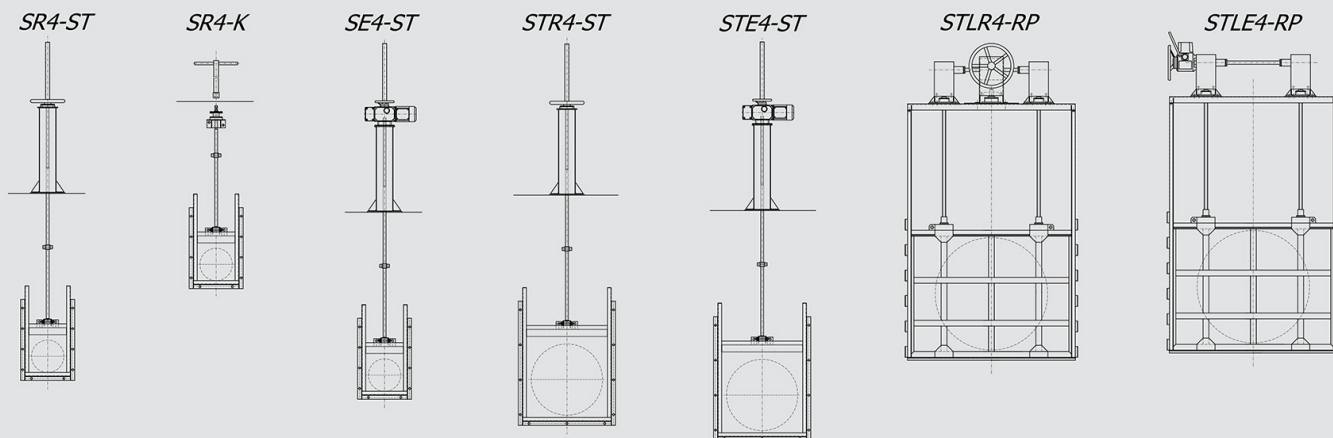
Open channel sluice gates - **three side** sealing:

- SR3-RP** - small sluice gate, manual operation, extended frame, up to B = 950 mm
- SR3-ST** - small sluice gate, manual operation, stand, up to B = 950 mm
- SE3-RP** - small sluice gate, actuator, extended frame, up to B = 950 mm
- SE3-ST** - small sluice gate, actuator, stand, up to B = 950 mm
- STR3-RP** - sluice gate, manual operation, extended frame, B = 1000 ÷ 3000 mm
- STR3-ST** - sluice gate, manual operation, stand, up to B = 1000 ÷ 3000 mm
- STE3-RP** - sluice gate, actuator, extended frame, B = 1000 ÷ 3000 mm
- STE3-ST** - sluice gate, actuator, stand, up to B = 1000 ÷ 3000 mm
- STLR3-RP** - sluice gate, manual operation, double-rod, extended frame, B >3000 mm
- STLE3-RP** - sluice gate, actuator, double-rod, extended frame, B >3000 mm



Wall-mounted sluice gates - for circular and square openings - **four side** sealing:

- SR4-ST** - small sluice gate, manual operation, stand, up to B = 950 mm
- SR4-K** - small sluice gate, manual operation „T-key”, up to B = 950 mm
- SE4-ST** - small sluice gate, electric drive, stand, up to B = 950 mm
- STR4-ST** - sluice gate, manual operation, stand, B = 1000 ÷ 2000 mm
- STE4-ST** - sluice gate, electric drive, stand, B = 1000 ÷ 2000 mm
- STLR4-RP** - sluice gate, manual operation, double-rod, extended frame, B >2000 mm
- STLE4-RP** - sluice gate, electric drive, double-rod, extended frame, B >2000 mm



Depending on channel depth, a sluice gate with a stand or an extended frame can be used. When installed into a channel, the frame is typically seated into grooves and then poured over with a concrete mixture, or using anchor bolts when installed onto walls. Each inquiry must always specify the maximum water level.

The manufacturer Fontana R, s.r.o. offers its customers free consultations and technical assistance to help ensure optimal integration of equipment into the technological part of given WWTP.