STAINLESS STEEL SLIDE GATES

SERIES: A - 113

NON SELF-CONTAINED FRAME - RISING STEM

NON SELF-CONTAINED FRAME - NON-RISING STEM

SPECIFICATION:

These slide gates are made in compliance with AWWA C561 / BS7775.

APPLICATION:

These slide gates are directly mounted on the face of the wall or on wall thimble and are used to isolate flow in and out of a conduit. These slide gates are suitable for 10 m seating and 6 m unseating head or as required.

FEATURES:

- Rigid flange back frame suitable for direct mounting on face of the wall using anchor fasteners and secondary grout between wall and frame or for mounting directly on a wall thimble.
- Gate frame provided with low friction UHMWPE guides to prevent galling between stainless steel frame and slide during operation.
- Short length frame provided with short length extension guides sufficient to engage at least half the overall vertical height of slide when the gate is full open.
- Material thickness for frame and slide selected to suit applicable head.
- Slide sufficiently ribbed to ensure that deflection under designated water head does not result into leakage over the specified limit.
- Offered with HARSA™ rigid sealing system on sides and top. This unique integral seal / seat system is certified for 25,000 cycle operation in abrasive condition and reduces the possibility of future seal change. This sealing system offers longevity and necessitates precision in installation to achieve specified leakage criteria.
- HARSA™ rigid sealing system comprises of low friction, high abrasion resistant self-adjusting seals of UHMWPE fitted on frame with compression resilient cord seals to ensure forced contact between seal and face of slide.
- Flush bottom slide gates provided with bottom sealing comprises of flexible rubber seal flush with the opening.
- Sealing system in compliance with requirements of AWWA C561 / BS7775.
- Identical sealing arrangement for conventional as well as flush bottom slide gates.
- Unique AUTO-FLUSH™ arrangement at guide bottom to force out accumulated grit particles and ensure full closure of the slide.

- Rising stem with pedestal / yoke mounted manual gate operating mechanism to operate the slide gate with less than 18 kgs effort on the crank or handwheel.
- Single piece or multi piece stem to suit the installation depth, coupling to connect stem section with the lowest stem section connecting to the block mounted on slide.
- Stem guides and brackets to prevent buckling of stem.
- Dual or tandem stem for all gates 1200 mm and wider, and having widths greater than twice their height.
- Anchor bolts with nuts and washers for frame, stem guide brackets and pedestal of lift mechanism.

OPTIONAL FEATURES:

- Oversized frame opening for slide gates to be mounted in front of a concrete pipe terminating at the face of the wall.
- Square / Rectangular / Circular (Diameter) shaped wall thimble having section F, E or MJ as required.
- Self-contained gate frame with lift mechanism mounted directly on yoke provided across the top of gate frame.
- Non-rising stem.
- Electric / Pneumatic / Hydraulic operating arrangement.
- Portable electric or hydraulic gate operator.
- Foot wall bracket for pedestal mounting.
- Stem cover made of galvanized steel or transparent plastic tube.
- Gate position indicating arrangement.
- NSF 61 certified for drinking water application.

MATERIAL OF CONSTRUCTION:

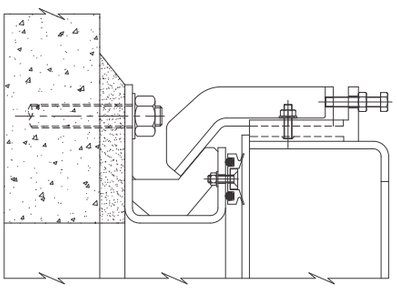
Depending upon application and requirement, client can select and specify the material of construction option for various components of slide gate from the alternatives stated on page no. 33.

SHOP TESTING:

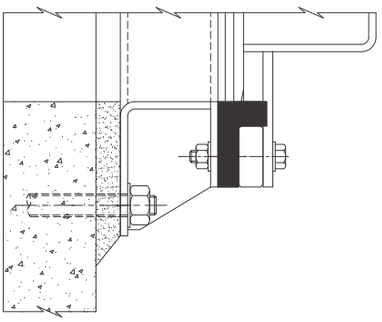
- Leakage testing of slide gate at plant at actual operating head to verify slide gate leakage performance meeting leakage requirement as specified or as per AWWA C561 / BS7775.#
- Seat clearance check of each slide gate for clearance between mating sealing faces.
- Movement test for checking interference free movement of complete assembly.
- Torque test to verify gate operating torque for manually operated slide gates.

 # For getting similar leakage result at site ensure that there is no frame distortion during the process of slide gate installation on wall.

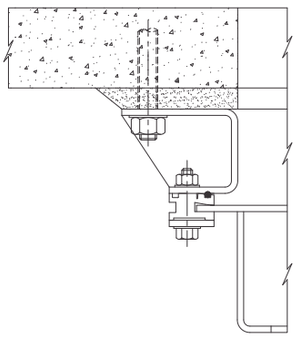
HARSA™ RIGID SEALING SYSTEM



TOP SEALING ARRANGEMENT



BOTTOM SEALING ARRANGEMENT



SIDE SEALING ARRANGEMENT