

SLUICE GATE / PENSTOCK



DESCRIPTIONS

SCI Stainless Steel sluice gate valves are designed to control flow or level of a liquid consisting a sliding gate: controlled by a mechanically operated spindle, moving vertically over the aperture in a frame which is secured on to structure.

It is commonly used to control water levels and flow rates in rivers and canals and also used in wastewater treatment plants and to recover minerals in mining operations and in watermills.

FEATURES

- Constructed from stainless steel and welded to give the rigidity.
- Lighter weight. - Easier to install gate. - Minimum maintenance.
- High corrosion and erosion resistance.
- Suitable for square, rectangular or round applications.

DESIGN SPECIFICATIONS

- Size: 200x200 mm to 2000x2000 mm.
- Operating Head : 10 m for On seat, 6 m for On & Off seat.
- Designed to withstand on seating and off seating.
- 50% of th maximum allowable leakage recommended by AWWA C561.

APPLICATIONS

waterworks, sewage, channel, industrial system

Materials

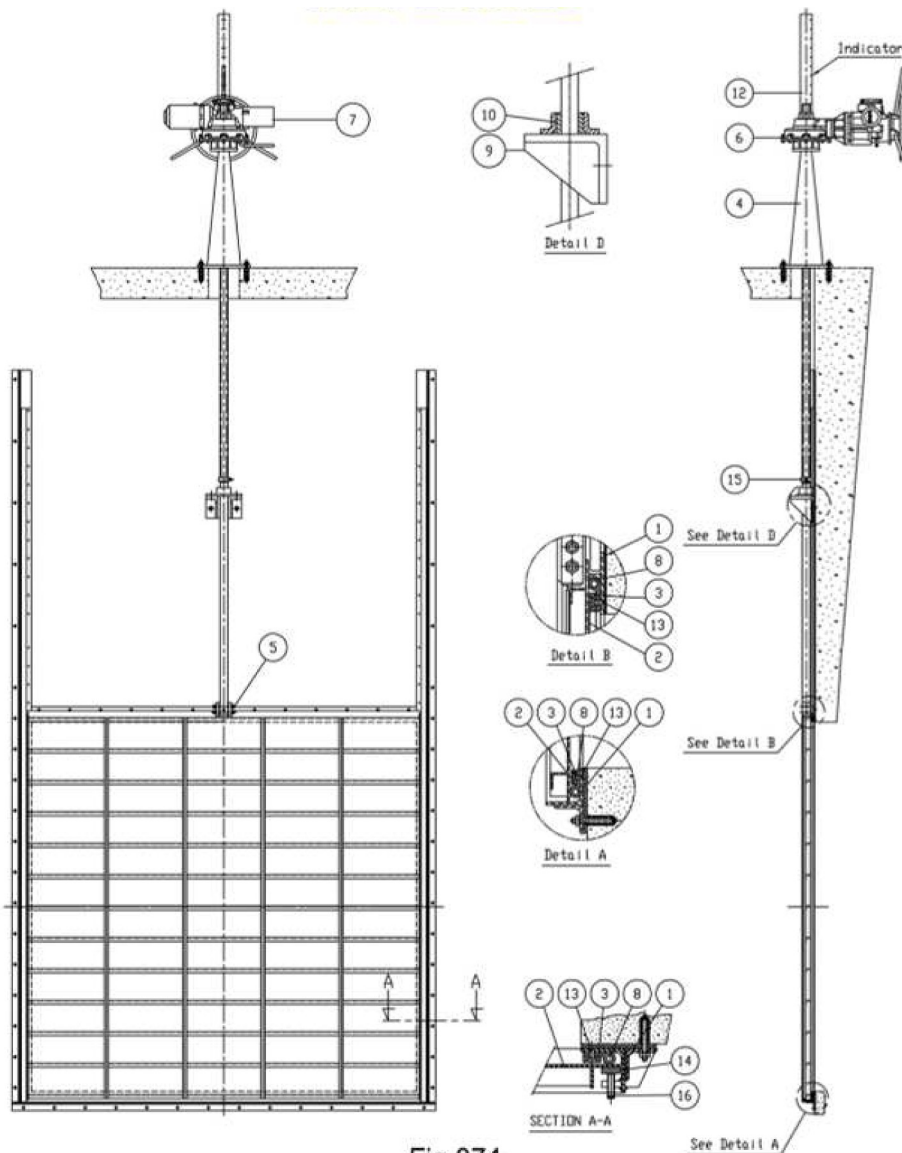


Fig.074

NO.	PARTS	MATERIAL	ASTM.DESIGNATION
1	Frame	Stainless Steel	A 276 Type 304,316
2	Disc	Stainless Steel	A 276 Type 304,316
3	Seat Holder	Stainless Steel	A 276 Type 304,316
4	Headstock	Cast Iron	A 126 Class B
5	Top Pivot(Stud&Nut)	Stainless Steel	A 276 Type 304
6	Gear Operator	-	-
7	Electric Actuator	-	-
8	Body Seat Ring	Rubber (Buna-N)	D 2000 BK 707
9	Guide Bracket	Cast Iron	A 126 Class B
10	Bushing	-	-
11	Stem	Stainless Steel	A 276 Type 304 or 420
12	Protection tube	Polycarbonate	-
13	Taper Head Screw	Stainless Steel	A 276 Type 304
14	Side Bar	Stainless Steel	A 276 Type 304,316
15	Stop Collar	Stainless Steel	A 276 Type 304
16	Side Plate Screw	Stainless Steel	A 276 Type 304