

# ROTATING BRIDGE TYPE SCRAPERS

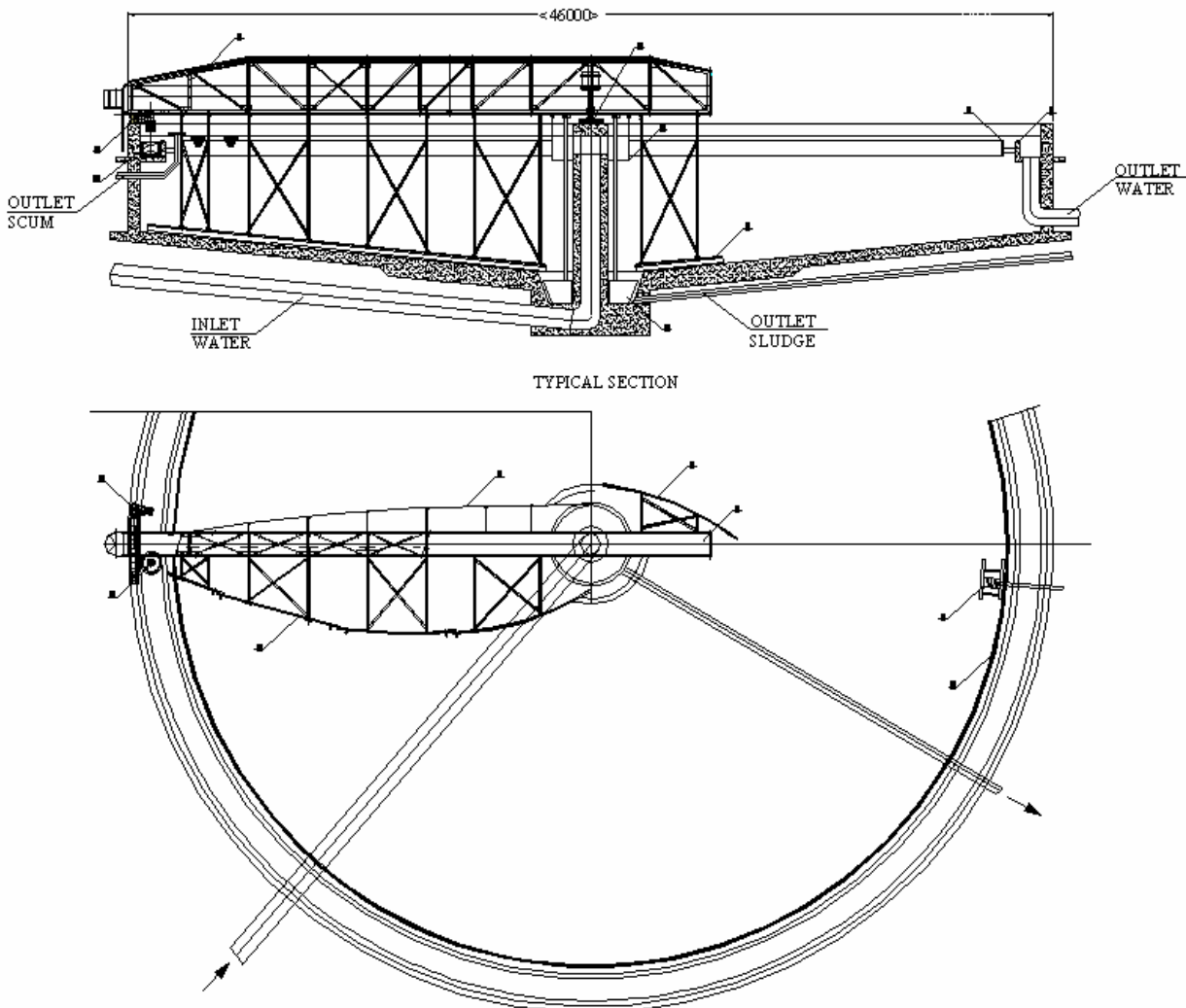


FB type scrapes are suitable for dealing with primary sludge, activated sludge, humus sludge and a variety of settlement application associated with process liquors and trade effluents.

<b>FLOOR SLOPE</b>	Floor slope can be arranged as 7 ½ " to 2° to the horizontal.
<b>DIAMETER</b>	FB Type can be designed for diameters from 5 m. to 30 m. Modified equipment of a similar design is available for larger diameters of tank.
<b>BRIDGE SUPPORTS</b>	Central Support can be either galvanized steel construction or it can be constructed in concrete
<b>INLET</b>	Inlet pipe passes beneath the tank floor 1 turning upwards at the center to discharge into a deflector drum.
<b>BRIDGE</b>	The standard design is based on superimposed loading of 500kg/m <sup>2</sup> . Different desingloads can be used if desired. A chequerplate walkway is provided as standards. Other requirements can easily be fulfilled . Double-row tubular handrailing is supplied in all cases.

Tel : + 90 (0) 312 4428327 Fax : + 90 (0) 312 4428328

[arges@argesmakina.com](mailto:arges@argesmakina.com)  
[www.argesmakina.com](http://www.argesmakina.com)



**CENTER PIVOT**

The bridge is supported at the center of the tank by a robust weatherproof pivot bearing in conjunction with a trunnion arrangement.

**DRIVE**

Outer end of the bridge is equipped with two resilient-tyred wheels running on the peripheral wall. A weatherproof electrical motor and reduction gearbox is coupled to the wheels. Peripheral speeds can be arranged as 1-2.5 mt/minute as standard.

**SCRAPERS**

Each bridge is equipped with hinged tubular arms descending into the tank, carrying scraper blade fitted with an abrasion resistant wearing edge of synthetic rubber. Scum scraper at the water level of the tank scrapes the scum and swimming items into the scum box.

**SURFACE COATINGS**

The bridge is available in steel which may be galvanized epoxy painted, or grid blasted and zinc-sprayed as required.

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