

ROTATING BRIDGE SCRAPER

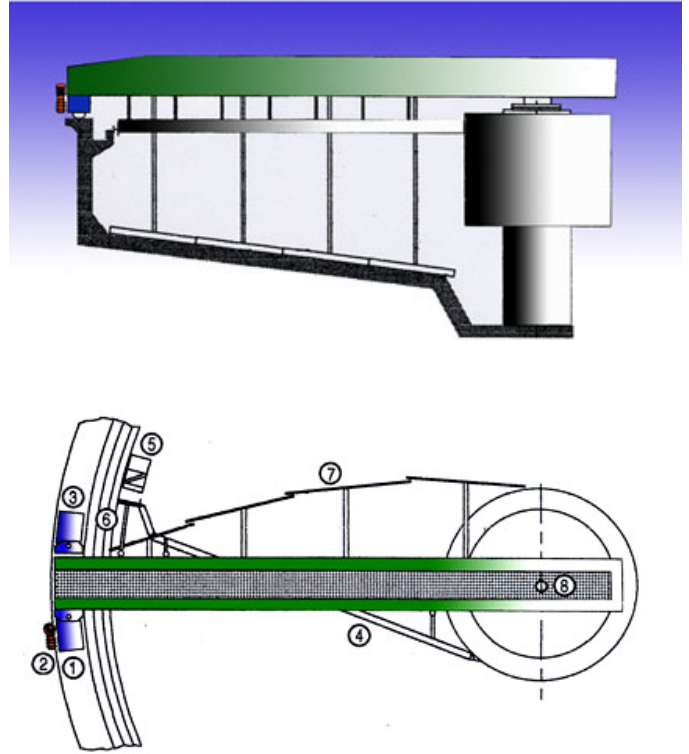
This is a steel structure composing of a central structure, drive head, wheels, surface and bottom scrapers. Corrosion protection is epoxy paint. The central bridge is fixed to the reinforced concrete distribution structure. This bridge and deflector can be manufactured of steel upon request. The central bridge structure is supported with bearings so as to bear all the loads safely and will not be effected from the level differences. Energy input cable transfers the electricity between the brush + collector and the motor + reducer group. Brush+collector distributes the electricity and are of brass and fiber material which protect the structure from water and moisture. The bridge is composed of standard profiles or formed steel.

Motion head group is attached to the bridge and can be adjusted according to the radius of the tank angularly. This group consists of a drive and a head. The wheels are manufactured from poly amid and wear-resistant rubber.

The surface scraper part is composed of formed steel and its features allow to be adjusted according to dimensional changes in water level and geometrical structure of the tanks. Using the moving palet located hi the submersible screen side, floating objects, cum and other materials can be thrown away. The scum hopper

Bottom scraper palets is attached to the bridge with palet arms and can be adjusted according to the telescopic length. The attachment of the palets to the arms are designed so as not to be influenced by the mistakes made during the construction of the tanks. The quantity, and the parabolical curve of the the palets, will be determined by us hi accordance with the dimensions of the tank. The palets, are generally made of carbon steel and are fixed with nuts. The palets and its arms are epoxy painted against corrosion or can be made of stainless or hot dip galvanized steel upon request.

Rotating Bridge Scraper



- 1) DRIVE HEAD, WHEEL GROUP
- 2) DRIVE GROUP (MOTOR + REDUCER)
- 3) HEAD, WHEEL GROUP
- 4) SURFACE SCRAPER
- 5) SCUM HOPPER
- 6) SCUM COLLECTOR, PALET
- 7) BOTTOM SCRAPER PALETS
- 8) BRUSH COLLECTOR GROUP AND PROTECTION

THE TABLE OF DIMENSIONS ROTATING BRIDGE SCRAPER					
SCRAPER TYPE	CRS 5-11	CRS 12-21	CRS 22-30	CRS 31-40	CRS 41-50
TANK DIAMETER (m)	5-11	12-21	22-30	31-40	41-50
WHEEL RAILWAY WIDTH (m)	0,25	0,25	0,30	0,40	0,40
MOTOR POWER (kW)	0,25	0,25	0,37	0,75	0,75-1,1
WEIGHT (kg)	850-2000	2000-3500	3500-7000	7000-12000	12000-15000
ADDITIONAL PALET LENGTH (m)	-	-	-	Tank Diameter x 0,20	
PERIPHERICAL SPEED (cm/sec)	2-6				