

کاتالوگ پل دانه گیر و پل دوار

PARS ADVANCED TREATMENT

EPC Contractor of Environmental Projects



ROTATING SCRAPERS

for primary and final settling tanks



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Rotating scraper bridges

are designed for desludging and descuming of primary - and final settling tanks.

The scraper unit is consisting of :

- the drive carriage
- the central pivot
- the bridge with catwalk
- the floor scraper arrangement
- the descuming unit

The drive unit is assembled with two number of wheel boxes which are connected by means of bolts to the carriage frame. Due to this swivelling connection a precise adjustment of the travelling wheels is guaranteed.

The wheels are made of mild steel with a hard rubber lining (polyurethane). The shafts and axles are supported by overlarge flange bearings. That flange bearings will be supplied with lifetime lubrication.

The drive motor is coupled directly to the shaft and supported by a torque lever.

The scraper bridge is made of folded steel plates with a thickness of 5 mm.

This rigid construction causes that the deflection of the bridge is less than 1/500 corresponding to a life load of 250 kg / m².

The catwalk is fitted with open mesh flooring with a width of 90 cm.

The preferred material is gal. steel or stainless steel according to requirement.



Suction type scraper will be furnished with multiple desludging units which will be fixed by the scraper bridge. V-shaped suction hoods from stainless steel are equipped with rubber lining and suction pipes.

The suction hoods will be erected some millimetres above floor level. Due to this, no wear will be affected to the rubber lining and no maintenance will be required. Also no additional support-wheels are required for the floor desludging.

The suction pipes are ending in the sludge collecting chamber. Each pipe will be furnished with the separate control unit to optimize desludging.

If required, the sludge collecting chamber will be furnished with an excess / return sludge pump.

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For descumming of water surface adjustable scum channels are available on request. Provision is made for descumming by means of motorized scum paddles for abnormal amount of floating sludge.



Runway cleaning and de-icing equipment will be bolted to the drive carriage. It is driven by an electric motor.

rotating channel cleaning brush

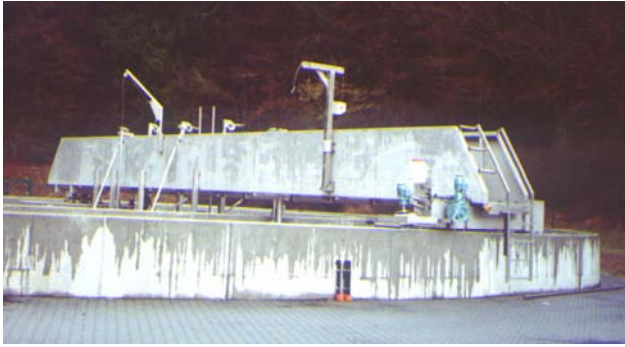



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Adjustable scum collecting channel with removal pump and guide baffles. 



Floor scrapers with electric shield



Control panel made of stainless



Waste water equipment

screens

screening dewatering presses

compact clarifier

grit removal

grit classifier

rotating & travelling scrapers

non-metallic sludge collectors

sludge thickeners

accessories

Bulk & storage handling equipment

dump container up to 20 m³

multi-lift container up to 40 m³

container driver units

belt conveyors

screw & spiral conveyors

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