WASTE WATER TREATMENT

Peripheral Traction Clarifiers
PTP







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Peripheral Traction Clarifiers PTP

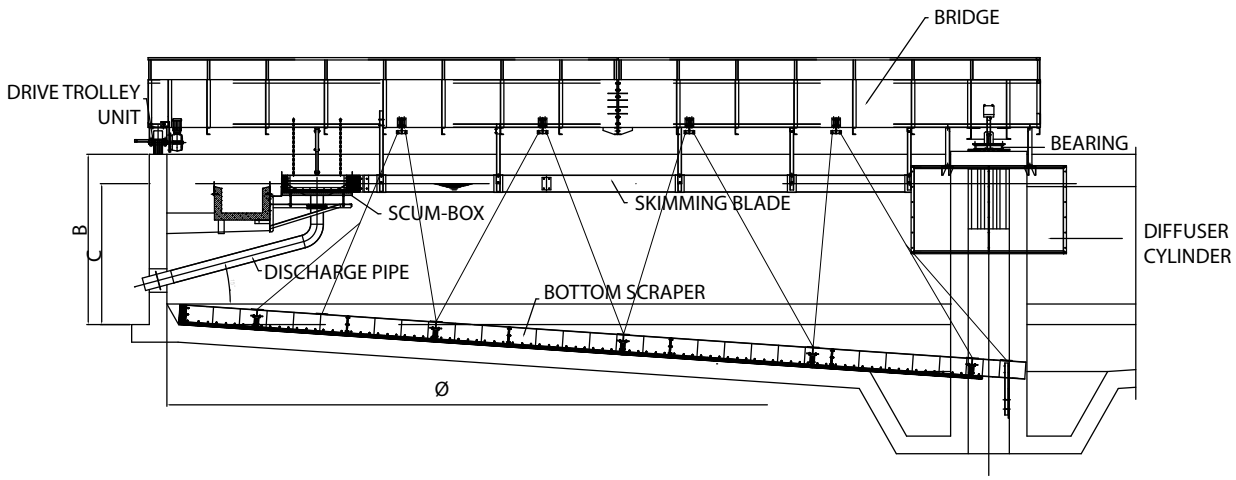
HIGHLY EFFICIENT BIOLOGICAL SLUDGE AND FLOATING PARTICLES REMOVAL

PTP Peripheral Traction Clarifiers are used to remove biological sludge and floating particles in circular primary and secondary settling tanks in both municipal and industrial waste water treatment plants.

PTP Peripheral Traction Clarifier are composed of a movable truck lying in the centre on a rotating central support and, at the periphery, on a traction trolley. The clarifier is operated by a gear motor connected to a slip ring placed in the central support.

Waste water enters the concrete tank through a central cylinder, which spreads the liquid. Sludge settles on the tank bottom, while light particles and scum float. Thanks to the slow truck movement, the logarithmically shaped bottom scrapers convey the settled sludge into the central scum pit. Floating particles are collected by the surface scraper and conveyed into the scum box. Clean water flows into the peripheral launder through the Thompson profile weirs.

Overall Dimensions



MODEL	INTERNAL TANK DIAMETER D m	TANK DEPTH B m	PERIPHERAL SPEED m/1'	DRIVE POWER kW
PTP 5	5	2.00 ~ 4.50	1.2	0.37
PTP 6	6	2.00 ~ 4.50	1.2	0.37
PTP 8	8	2.00 ~ 4.50	1.2	0.37
PTP 10	10	2.00 ~ 4.50	1.2	0.37
PTP 12	12	2.00 ~ 4.50	1.2	0.37
PTP 14	14	2.00 ~ 4.50	1.2	0.37
PTP 16	16	2.00 ~ 4.50	1.2	0.37
PTP 18	18	2.00 ~ 4.50	1.2	0.37
PTP 20	20	2.00 ~ 4.50	1.8	0.37
PTP 22	22	2.00 ~ 4.50	1.8	0.37
PTP 24	24	2.00 ~ 4.50	1.8	0.75
PTP 26	26	2.00 ~ 4.50	1.8	0.75
PTP 28	28	2.00 ~ 4.50	1.8	0.75
PTP 30	30	2.00 ~ 4.50	1.8	1.10
PTP 32	32	2.00 ~ 4.50	1.8	1.10

Benefits

- ✓ **Quick installation**
- ✓ **High removal efficiency of sludge and floating material**
- ✓ **Easy installation even in existing tanks**

Technical Features

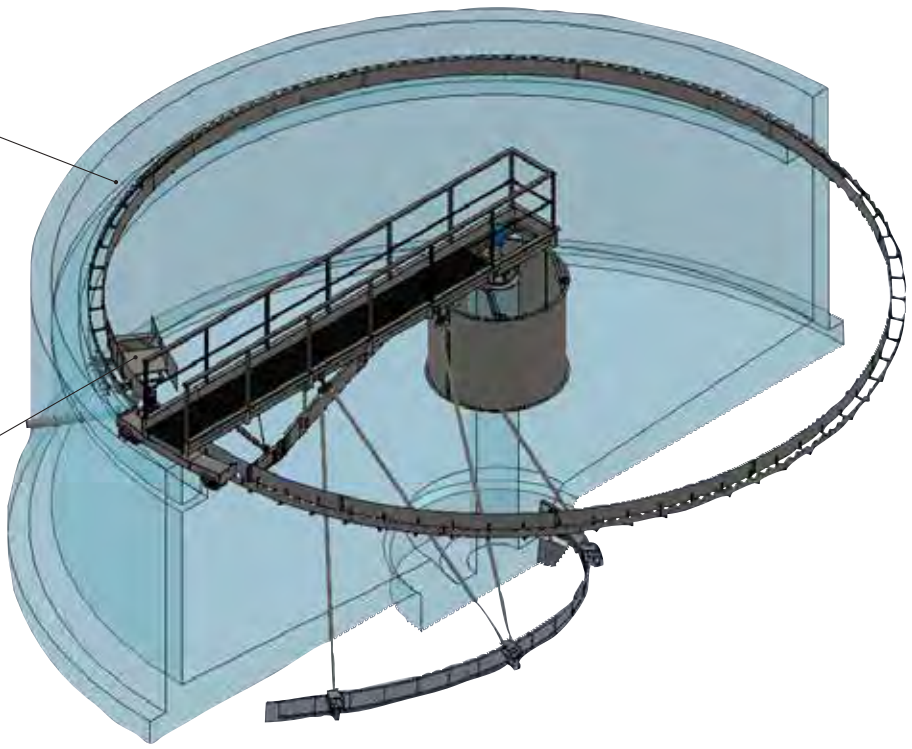
- Available for tanks up to 60m in diameter
- Scum removal device
- Carbon steel hot dip galvanized / 304 L / 316 L SS
- As an alternative, PTP with walkway length radius +1/3 with bottom scraper and back bottom scraper
- As an alternative, double traction clarifier with diametric walkway and double scrapers



Scum Removal System and Motorised Brush
(OPTION)



Scum Box
(OPTION)



Accessories

- Scum removal by means of “rotoling pipe” system
- Clean water launder in stainless steel
- Electric torque limit switch
- Motorized rotating brush for weirs/launder cleaning

Application







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