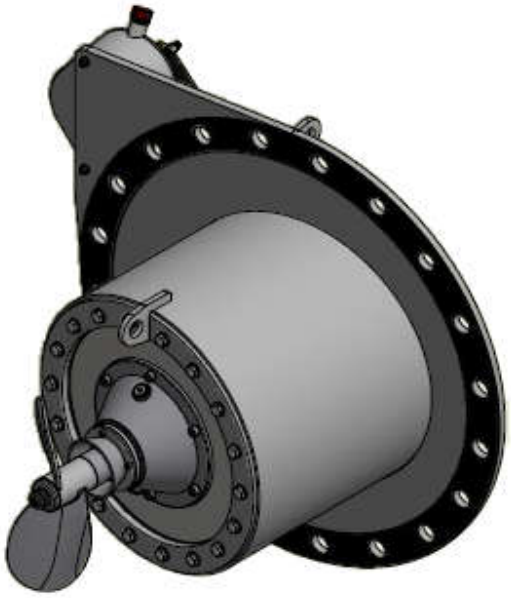
PODTR-I

The PODTR-I is a flexible and efficient mixer that is mounted through the side of the tank wall.
The three-blade propeller and the relatively low propeller speed makes it well-suited for mixing liquids with a high viscosity, such as dewatered or digested sludge. The optimal cooling function of the motor makes it an ideal choice for liquids with high temperatures.



APPLICATION EXAMPLES

- Sludge tanks
- Mixing system for digestion tanks
- Hot liquids

PROPELLER RPM

900 rpm

MATERIAL OF CONSTRUCTION

Motor housing	Cast iron AISI A48-40B
Oil chamber	AISI 316
Propeller and protection collar	Stainless steel AISI 304
Shaft	AISI 316
Bolts	AISI 316
Sealing system	Mechanical shaft seals: silicon carbide/silicon carbide
Oil type	15W-40 Vario HDX (with moisture detection)

SERVICE AND MAINTENANCE

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Recommended service interval/oil change	Maximum 2,500 operating hours/minimum once a year
Motor	Lifetime lubricated bearings
Oil chamber	Periodic oil change

SURFACE TREATMENT

Machinery enamel: RAL 9005 (Jet Black)	Jet Black
2-component coating: RAL 7005 (Mouse Grey) (optional)	Mouse Grey

MONITORING FUNCTIONS

Thermistor 284 °F

Moisture detection system (optional)

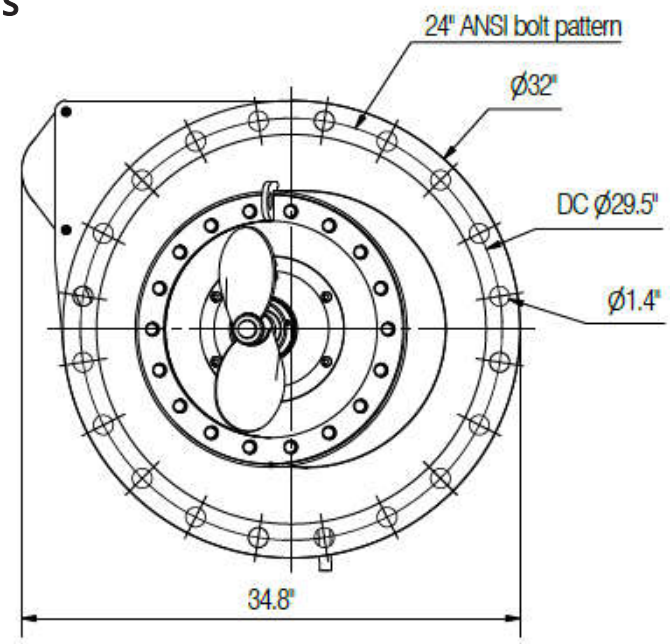
ELECTRICAL DATA

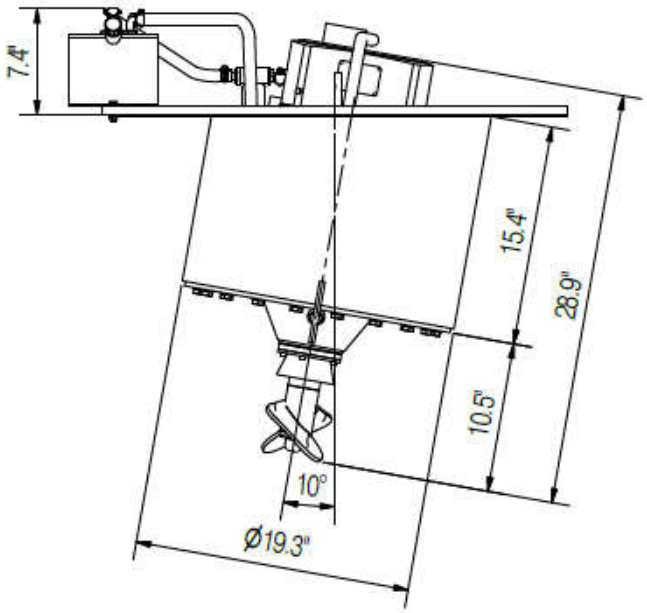
Motor type	3-phase AC motor
Nominal voltage	460 V
Minimum voltage allowed	415 V
Nominal frequency	60 Hz
Applicable for VFD operation	Yes
Ingress protection rating	IP 55
Insulation class	F

Model	Nominal power	Motor	Full load current (460 V)	Connection method	Start current (DOL)	cos phi	Efficiency
	[kW]	[rpm]	[A]	Y/Δ	[A]		[%]
PODTR-I 6.5 HP-900 rpm	6.5	860	10.5	Δ	42	0.73	79.5

For voltages others than 460 V/60 Hz please refer to the attached Appendix.

OVERALL DIMENSIONS





Be aware that the tank must be able to withstand the force from the mixer (both axial and vertical.

We reserve the right to make technical changes.