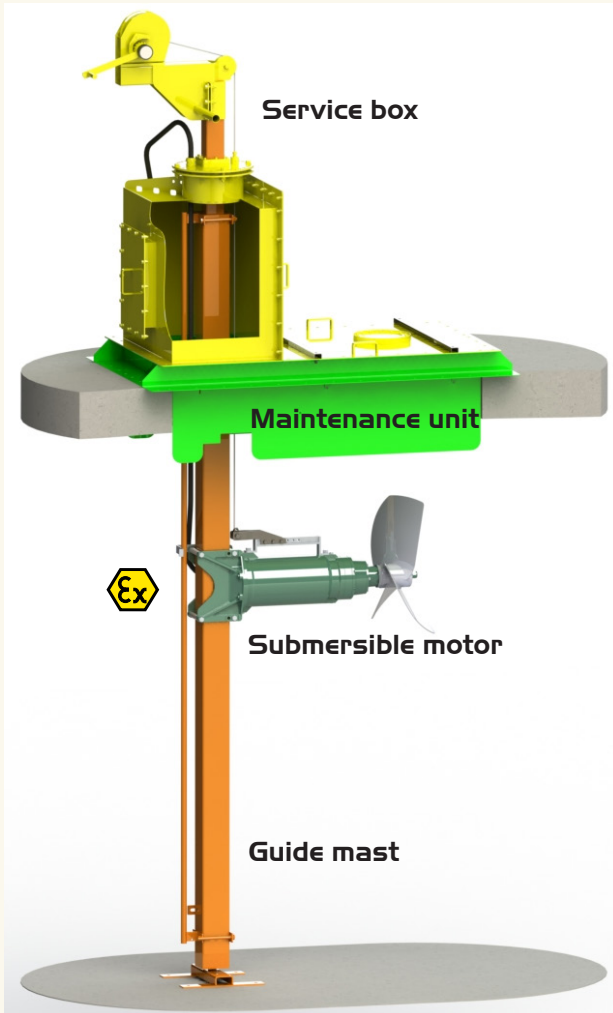


Gas tight ceiling lead through GDD V4A

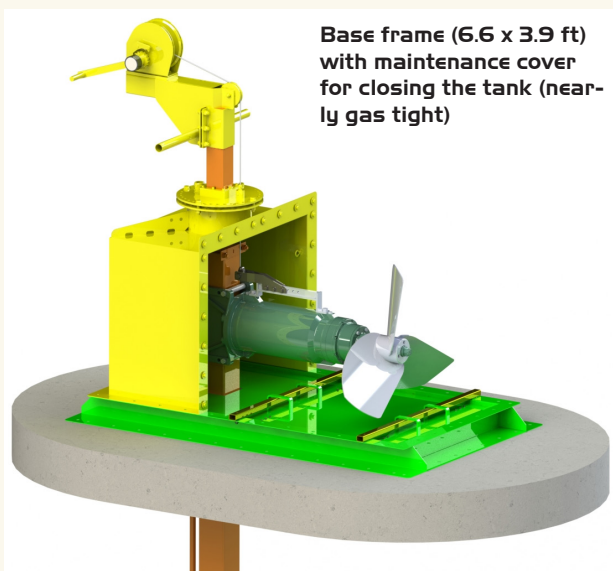


Complete unit consists of:

- » Service box
- » Maintenance unit
- » Submersible motor
- » Guide mast



Maintenance position:



Application

Gas tight concrete ceiling lead through for biogas tanks up to 32.8 ft (fermenter - post digester - end storage tank) with concrete ceiling

Gas pressure 5.0 mbar (higher pressures on request)

Scope of delivery: service box - maintenance unit - guiding mast - submersible motors from 5.5 to 35 hp

Service box

Mounting directly on concrete ceiling (flatness 0.12 in) or on base frame of maintenance unit

Tank opening > 67 x > 35.5 in

Sealing plate ss316 73.6 x 42.1 x 0.12 in

Sight glass with wiper and flushing Ø 11.8 in

Lifting equipment für agitator 3.94x 3.94 x 0.16 in

Lateral adjustment 360°

Gas tight sealing: PVC sealing package, o-rings, grease

Rope winch - tensile load 1,200 N

Maintenance unit (Accessory comfort version)

Base frame 80 x 48.2 x 0.12 in, ss316

Maintenance cover for closing the tank during service and maintenance work

Guide mast with ss316-rope

Square-mast ss304 with ground bearing

Rope and cable guide behind the mast

Submersible motor

Performance selection: 5.5 / 12 / 18 / 20 / 35 hp

Authorized for Ex-Zone 2 (18 hp or Ex-Zone 1)

Propeller HD+ (new generation) in stainless or hardened steel

Connecting cable 32 ft or 46 ft

Motor bracket with 4-guide-rollers 3.94 - 4.72 - 6 in

Height indication

For indication of the exact agitator height in the tank.

Mounted on the rope winch and readable from the outside.

Scope of delivery complete unit „COMFORT“

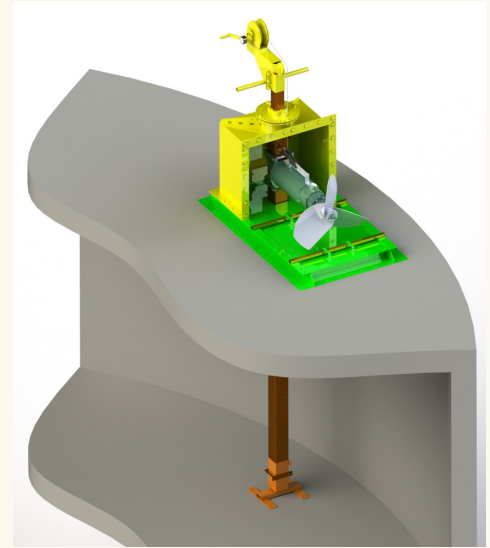
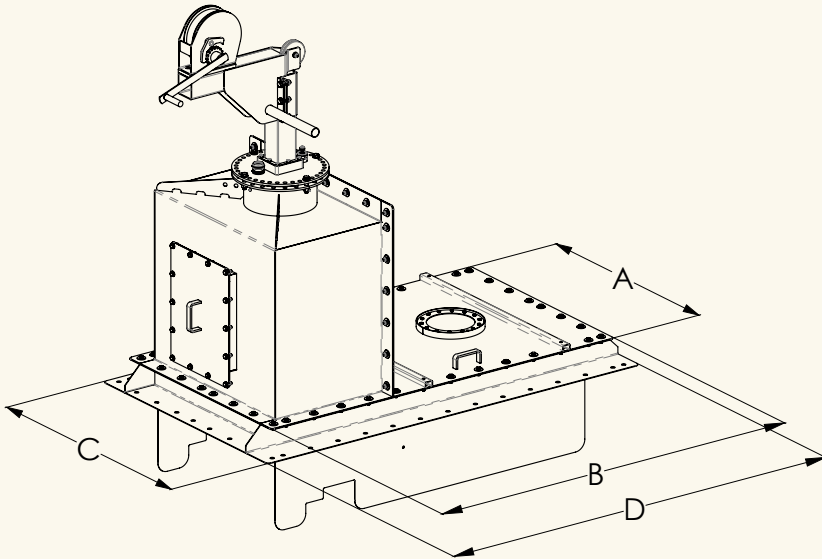
- » Service box
- » Maintenance unit
- » Guide mast
- » Submersible motor
- » Height indication

Scope of delivery „STANDARD“

- » Service box
- » Guide mast
- » Submersible motor
- » Height indication

WITHOUT maintenance unit (base frame and cover)

Gas tight ceiling lead through GDD V4A



Dimensions: gas tight ceiling lead through

Description	A [in]	B [in]	C [in]	D [in]	Opening width [in]	Opening length [in]	Flatness concrete [in]
Service box (sealing plate)	42.13	73.62			> 35.43	> 66.93	0.12
Maintenance unit (Box with cover)			48.43	79.92			

Dimensions: guide unit with ground bearing and ss316-ropes Ø 8 mm

Description	Tank height [ft]	Mast - length [ft]	Dimensions [in]	Wall thickness [in]
Square-tube	19.7	24.6	□ 3.94	0.16
Square-tube	19.7	24.6	□ 4.72	0.2
Square-tube	19.7	24.6	□ 5.91	0.2

Technical data: Submersible motor (propeller V2A, 10 m connecting cable, Motor bracket 100/120/150)

Type	Rated Power [hp]	Frequency [Hz]	Propeller [in]	Gear reduction ratio	Propeller speed [rpm]	Ex-Zone	Weight approx. [lbs]
Optimix 2G	5.4	60	21.3	5.25	220	2	374.8
Optimix 2G	12.2	60	25	5.25	330	2	374.8
Optimix 2G	20.4	60	29.5	5.33	325	2	441
Optimix 3G	34	60	31.5	5.35	325	2	573.2
Optimix 2A	17.7	60	27.6	5.25	330	1	418.9

Subject to technical changes