

Technical Specification SLUDGE BUOY

SKF Marine ID : 199041

Maximum diameter: 565 mm

Rod length 2 m

Material

All metal parts are made from high quality stainless steel, 316L. The plastic parts are made from a special purpose resin with good mechanical properties combined with high heat resistance. All materials used are designed to withstand a corrosive environment.

Capacity

The 52 mm (2") hose ensures there will be no restrictions to the suction ability. The capacity depends on the temperature of the sludge oil and the type of tank in question: double bottom tank or a high tank. Normal rates are between 2-6m³ / hour in real conditions.

Hose

A highly flexible hose of five (5) meters is included with special stainless steel hose clamps. Maximum temperature for the hose continuously is 60°C. Optimal settling temperature is 30°C - 50°C.

Penetration

A penetration DN 50 that is matched with the hose for fitting in the side of the tank is included. We also provide a connection piece that fits the hose perfectly for vertical suction if it is a double bottom tank.

Pump:

No pump is typically included in the Sludge Buoy System. If installed in a high tank it is possible for the device to be gravity operated. We provide pumps if necessary.

Installation:

If no extra pump is desired the Sludge Buoy can be connected directly to the existing sludge oil pump via a shut-off valve. In this way the deep normal suction can be used as well as the top skimming. All installations are delivered with a stainless steel, 316L, Cardan type fastening device.

No	Part name		<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Fig. 1: Exploded view of the Sludge Buoy.</p>
15	Cardan upper/Fastening		
14	Middle piece, Cardan		
13	End screw/Damper		
12	Guide rod 2,0 m, extendable 2		
11	Circlip		
10	Washer, upper		
9	Receiving disc		
8	Flotation body		
7	Washer, lower		
6	Distance sleeve		
5	Integrated fitting for suction hose		
4	Hose clamp.		
3	Suction hose, HT, max 90 °C		
2	Slide sleeve		
1	End screw/Damper bracket		

<p style="text-align: center;">Normal gravity tank</p>	<p style="text-align: center;">Double bottom</p>
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Technical Specification SLUDGE BUOY Mini HT (High Temperature)

SKF Marine ID : 202322

Maximum diameter: 460 mm

Rod length 2 m

Material

All metal parts are made from high quality stainless steel, 316L. The plastic parts are made from a special purpose resin with good mechanical properties combined with high heat resistance. All materials used are designed to withstand a corrosive environment.

Capacity

The 40 mm (1,5 ") hose ensures there will be no restrictions to the suction ability. The capacity depends on the temperature of the sludge oil and the type of tank in question: double bottom tank or a high tank. Normal rates are between 1-4-m³ / hour in real conditions.

Hose

A highly flexible hose of five (5) meters is included with special stainless steel hose clamps. Maximum temperature for the hose continuously is 90°C. Optimal settling temperature is 30°C - 50°C.

Penetration

A penetration DN 40 that is matched with the hose for fitting in the side of the tank is included. We also provide a connection piece that fits the hose perfectly for vertical suction if it is a double bottom tank.

Pump:

No pump is typically included in the Sludge Buoy System. If installed in a high tank it is possible for the device to be gravity operated. We provide pumps if necessary.

Installation:

If no extra pump is desired the Sludge Buoy can be connected directly to the existing sludge oil pump via a shut-off valve. In this way the deep normal suction can be used as well as the top skimming. All installations are delivered with a stainless steel, 316L, Cardan type fastening device.

No	Part name		Fig. 1: Exploded view of the Sludge Buoy.
15	Cardan upper/Fastening		
14	Middle piece, Cardan		
13	End screw/Damper		
12	Guide rod 2,0 m, extendable 2		
11	Circlip		
10	Washer, upper		
9	Receiving disc		
8	Flotation body		
7	Washer, lower		
6	Distance sleeve		
5	Integrated fitting for suction hose		
4	Hose clamp		
3	Suction hose, HT, max 90 °C		
2	Slide sleeve		
1	End screw/Damper bracket		

<p>Normal gravity tank</p>	<p>Double bottom</p>
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