red horn™
Engineering Pte. Ltd.
www.redhorn.com.sg

SILTBREAKER

RAPID WATER TREATMENT SYSTEM

For Silty Water

AVAILABLE CAPACITIES

LSE80	80 m³/hr	**LSE30**	30 m³/hr
LSE60	60 m³/hr	**LSE20**	20 m³/hr
LSE40	40 m³/hr	**LSE10**	10 m³/hr

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Designed by Red Horn Engineering

Engineered for Practical Site Treatment

Compact construction, robust components and straightforward maintenance.

Highlights

- **Compact footprint:** 3000 × 3000 × 2700 mm for an 80 m³/hr system.
- **Weight / relocation:** Source flyer lists “11,000 kg (1.1 ton)”; confirm the figure before publication.
- **Fibreglass panels:** Designed to resist corrosion and UV exposure; repairable.
- **Maintenance access:** Bottom manhole with cover for easier access.
- **SS304 control panel:** Stainless-steel construction.
- **Phase relay:** Protects the water pump against reverse or missing phase.
- **No honeycomb media:** A design choice intended to reduce maintenance.
- **Dosing pumps:** 3-phase, 380 V motor stated in the product highlights.
- **Pump head:** Polyurethane construction to help resist cracking from over-pressure.



Water discharge

Illustrative operating view

80 m³/hr capacity

LSE80 system

LSE80 — Construction & Specification

Construction

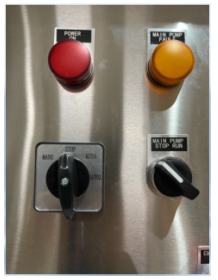
- Fibreglass body panels
- Steel frame
- Stainless-steel control panel

Specification

- Overall size: 3000 × 3000 × 2700 mm
- Polyurethane dosing pumps × 2 sets
- Submersible pump: 3.7 kW, 80 m³/hr × 1
- Electric actuated valve × 1
- Ball float switch × 1
- Control panel with Auto / Manual modes
- Provision for a third (spare) mode



Treatment tank



Control panel



Dosing pump



Water discharge

LSE60 & LSE40

A compact treatment configuration with tank-by-tank sludge control.

LSE60

60 m³/hr

4000 × 1300 × 2000 mm

LSE40

40 m³/hr

2600 × 1300 × 2000 mm

Key Features

- **Individual sludge valves:** Electric actuated sludge valve for each treatment tank for improved sludge control.
- **SS304 control panel:** Stainless-steel control panel construction.
- **Phase relay:** Protection against reverse or missing phase for the water pump.
- **No honeycomb media:** Designed to reduce maintenance requirements.
- **Dosing pump motors:** 3-phase, 380 V motors stated in the product highlights.
- **Polyurethane pump heads:** Designed to help prevent cracking from over-pressure.

