



EXTREMELY RELIABLE

Continuous separation of floating & lightweight contaminants from anaerobic digesters

**SELF CLEANING DIGESTER -
FLOATING CONTAMINANTS REMOVAL**





RELIABLE PREVENTION OF FLOATING LAYERS

The floating contaminants removal system is made for cleaning digesters to prevent the accumulation of floating layers while allowing for uninterrupted plant operation. The system consists of a patented skimmer and a standard screw press.

KEY FEATURES OF THE SYSTEM INCLUDE:

- » Separation of floating & lightweight contaminants such as plastic from the liquid surface
- » Prevention of floating layers
- » Easy maintenance access from the top or side
- » Gas tight design in any operating condition
- » Produces clean digestate



Floating contaminants

TECHNICAL DATA

	FINSTERWALDER Skimmer LS01	FINSTERWALDER Skimmer LS02
» assembling method	top mount	side mount
» mounting dimensions	1100 x 1200 mm	370 x 530 mm
» weight (empty)	170 kg	360 kg
» pressure connection	DN 100 / PN 16	
» el. power input	7 kW, 50 Hz; 380 - 420 V	
» ex protection zone	II2G EEx d ib IIB T4	

SINGLE COMPONENTS



Skimmer LS01
Top mount assembly



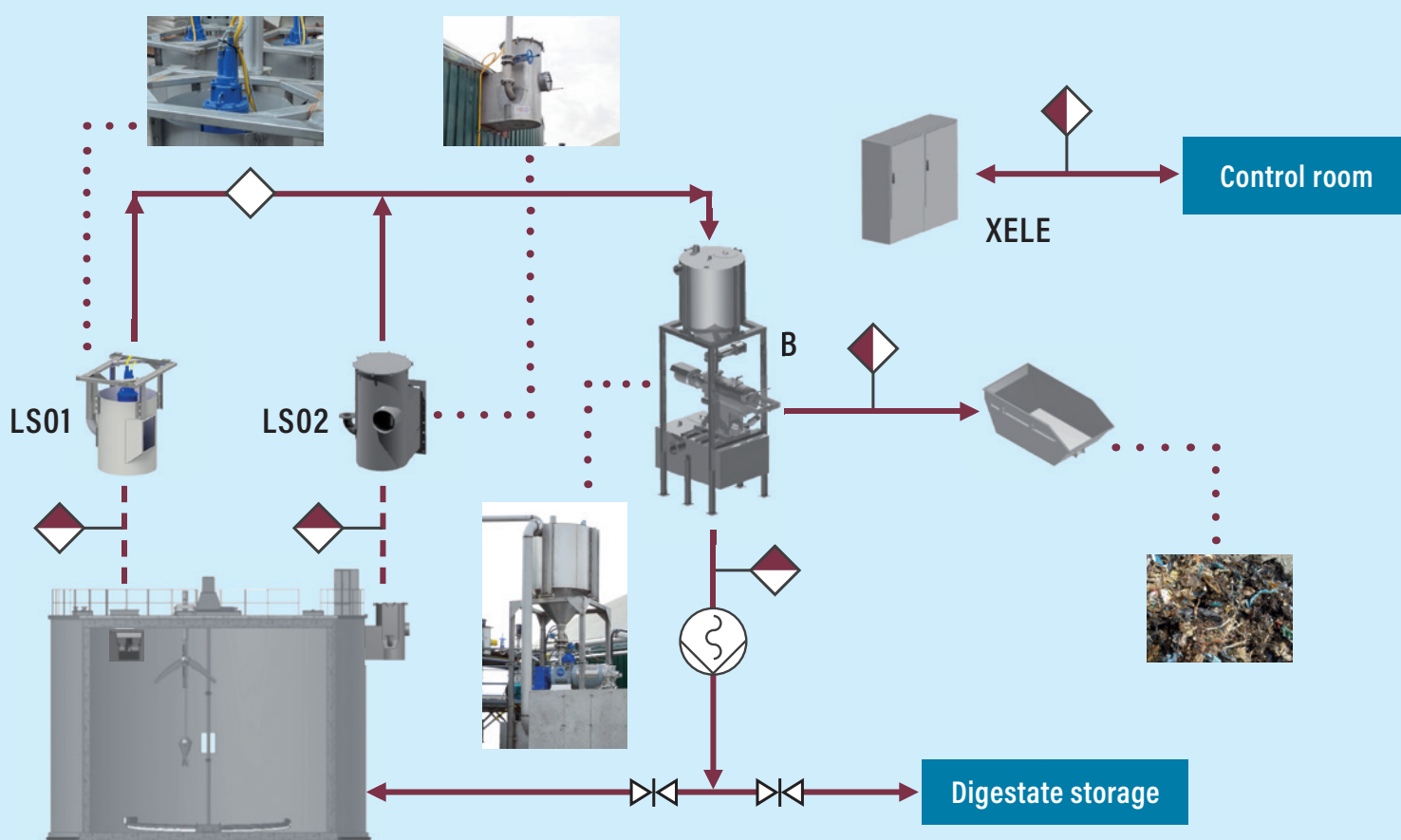
Skimmer LS02
Side mount assembly



Screw press



PROCESS DIAGRAM OF THE FLOATING CONTAMINANTS REMOVAL SYSTEM



- LS01: FINSTERWALDER skimmer LS01 - floating contaminants are removed from the digester surface and pumped to the screw press. Top mounting from the digester ceiling requires a digester with a concrete roof.
- LS01: FINSTERWALDER skimmer LS02 - floating contaminants are removed laterally from the digester surface and pumped to the screw press. Sideway assembled on digester wall.
- B: Buffer tank above the screw press. Screw press for fine screening of contaminants. Buffer tank for clean liquid digestate.
- XELE: Control system for smooth operation and user efficiency, including visualization with data interface in the control room.



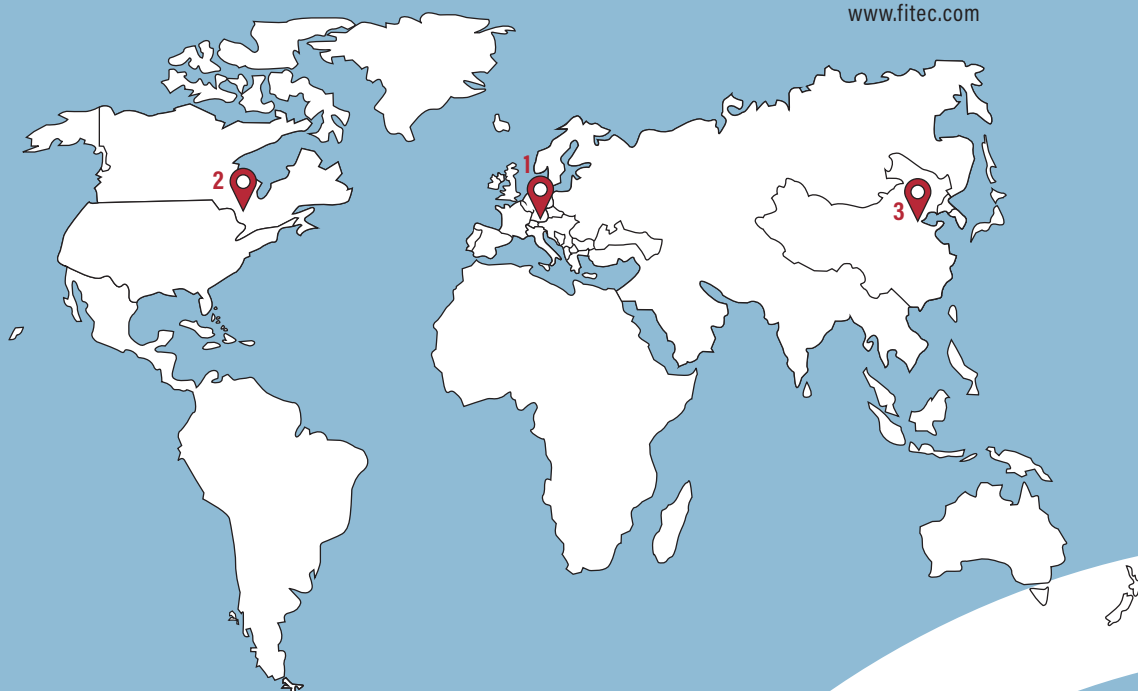
» For further Information SCAN TO
www.fitec.com/biogas-technology/skimmer-ls01-ls02

**FINSTERWALDER Umwelttechnik
GmbH & Co. KG**

Mailing Weg 5
83233 Bernau, GERMANY

Phone: +49 (0) 8051 96 59 10-0
Telefax: +49 (0) 8051 96 59 10-20

info@fitec.com
www.fitec.com



..... **2** North American Contact:
Fitec Environmental Technologies Inc.

Mr. Tom Ferencevic
+1 (0)289 668 0201
tom@fitec.ca
www.fitec.ca



..... **3** China Contact:
Fitec (Tianjin) Environmental Technology Co., Ltd.

Mr. Shanjie Wang
+86 22-83575668
info@fitec.cn
www.fitec.cn