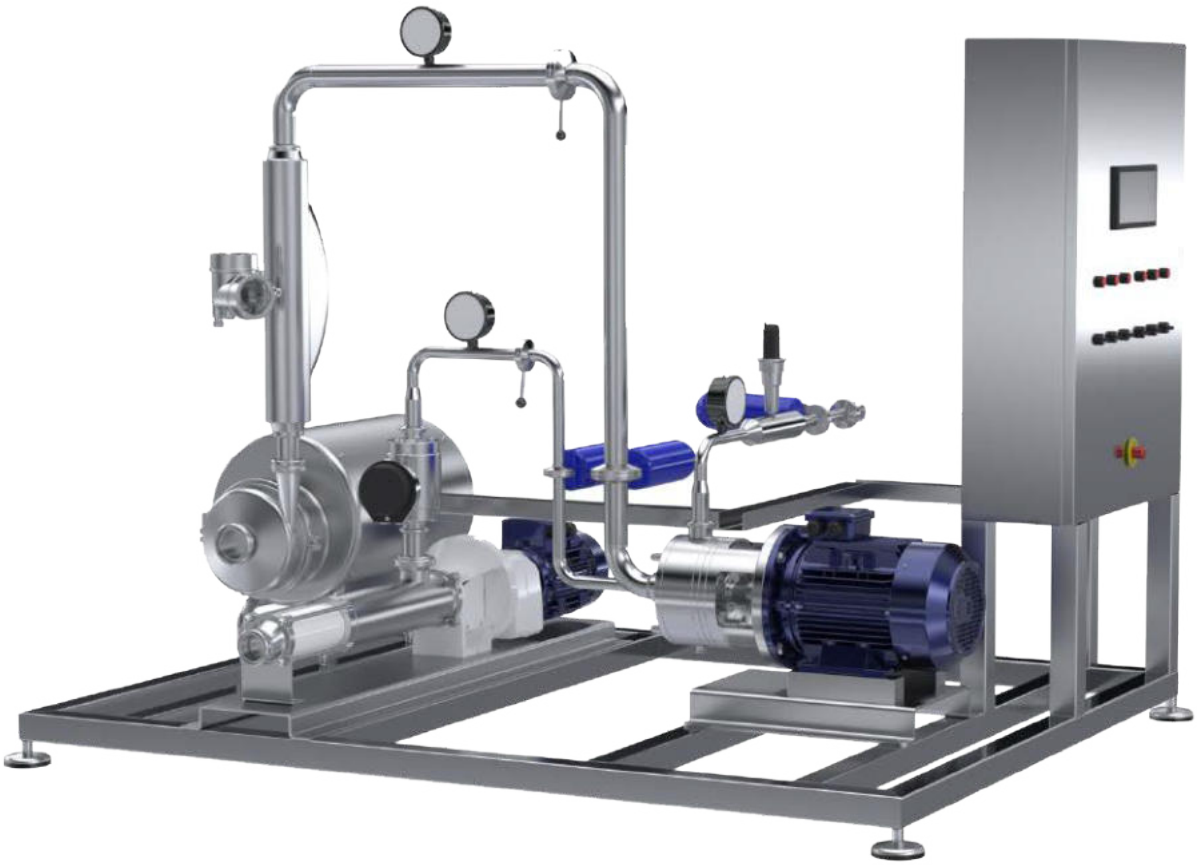
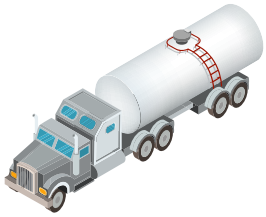
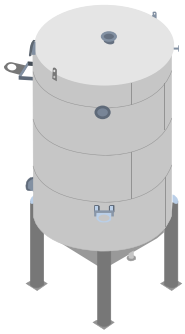
SLES
DILUTION SYSTEM



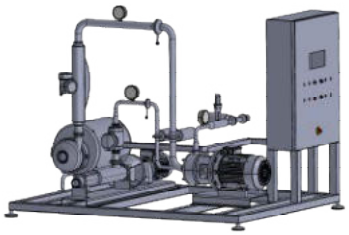
TMXFLOW®
let it flow



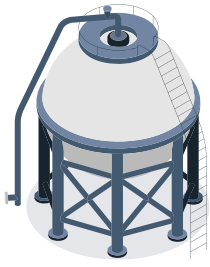
CONCENTRATED SLES TANKER TRUCK



CONCENTRATED SLES STORAGE TANK



SLES DILUTION EQUIPMENT



PREPARATION TANK

Application

SLES (Sodium Lauryl Ether Sulphate) is a surfactant (surface-active agent) known for its excellent foaming and cleaning properties. It is used in both sanitary and industrial applications. SLES is especially preferred in products such as soaps, shampoos, liquid detergents, toothpaste, and liquid body gels.

Manufacturers typically purchase SLES in a highly viscous 70% concentration. This product needs to be diluted to around 27%, which often requires advanced systems due to the significant change in viscosity.

The TMXFlow SLES Dilution System offers manufacturing plants full control over the SLES dilution process, delivering consistent, high-quality solutions.

User Benefits

- Continuous/batch supply of SLES at specific concentrations
- Quick start of the mixing process
- Constant tracing and recording of operational parameters
- Compact and lightweight construction
- Local or remote control
- Independence from deliveries of pre-diluted SLES
- Flexibility and continuity of production
- Highest quality of pre-prepared SLES on-site
- Significant cost reduction

Working Details

TMXFlow SLES Dilution System provides manufacturers with cost savings, production flexibility, and improved process efficiency.

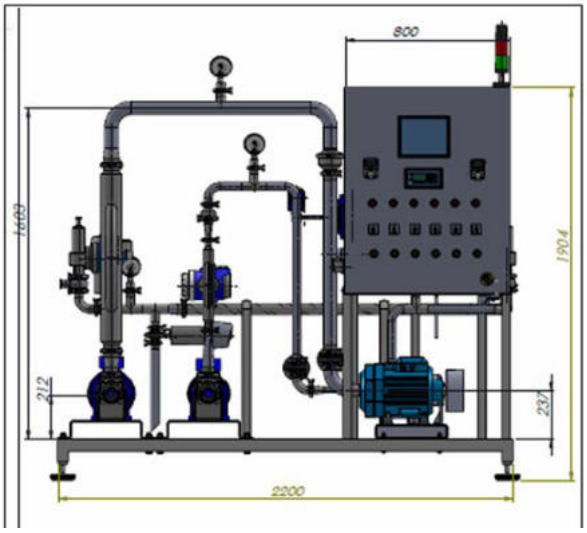
TMXFLOW

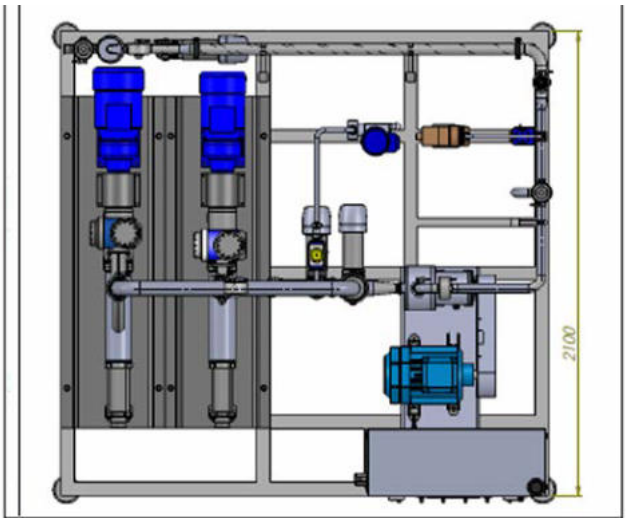
Materials

Parts In Contact With The Product — **Stainless Steel AISI 316L (1.4404)**
Other Steel Parts — **Stainless Steel AISI 304 (1.4301)**
Gaskets In Contact With The Product — **EPDM/NBR**

Operating Limits

Temperature SLES 70% — **Minimum 35°C**
Maximum pump inlet pressure — **4 bar**
Flow volume SLES 27% — **1000-10000 kg/h**
Maximum differential height — **6 bar**





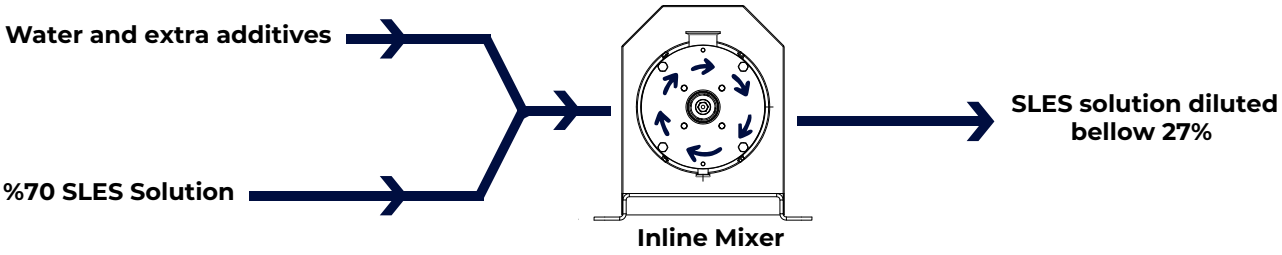


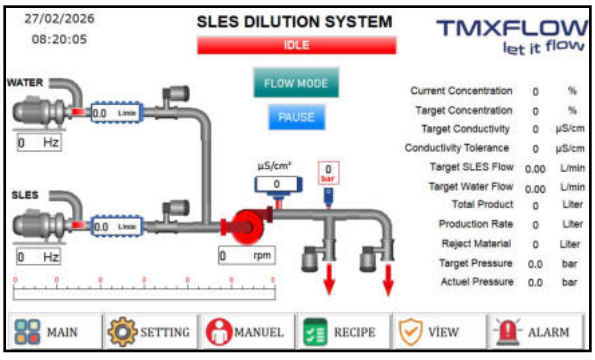
Technical Specifications

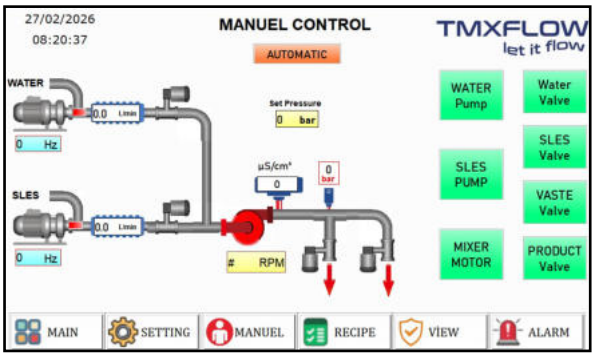
Pumps	**Positive Displacement Pumps**
Valves	**Butterfly Valves**
Mixer	**High Shear Mixer**
Flowmeters	**Electromagnetic**
Internal surface finish	**Ra <0.8 µm**
Connections	**Clamp (other connections available on request)**
Electrical Control	**PLC and colour 9" touch panel**
Electrical Connection	**400V 3Ph 50Hz**

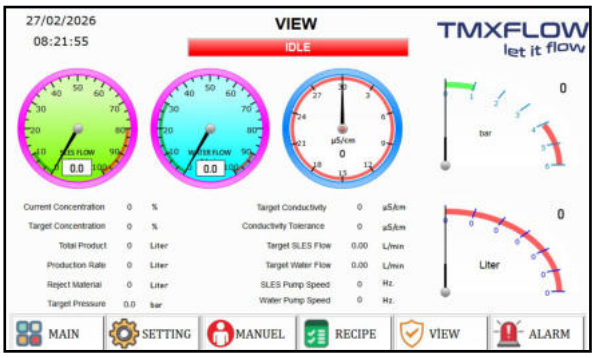
Working Details

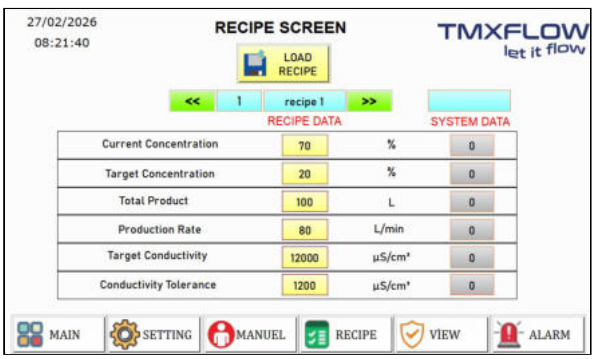
- Dosage of minority products in the water line.
- Electric tracing of concentrated SLES line.
- pH control.
- Sampling valve on the diluted SLES discharge pipe.
- Remote connection to the equipment via VPN. Internet connection via WIFI or ethernet cable is required.





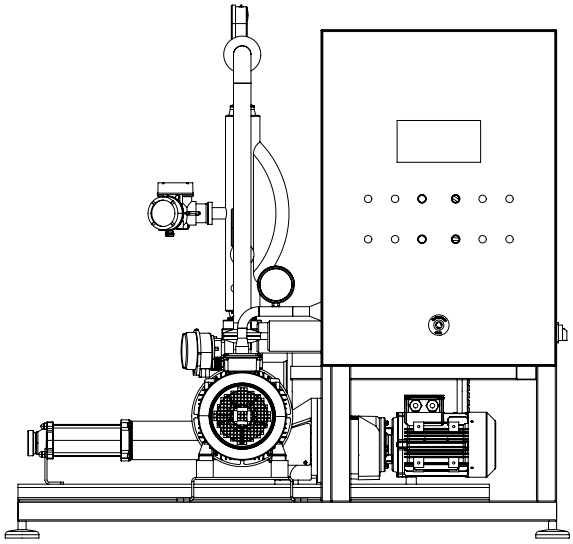


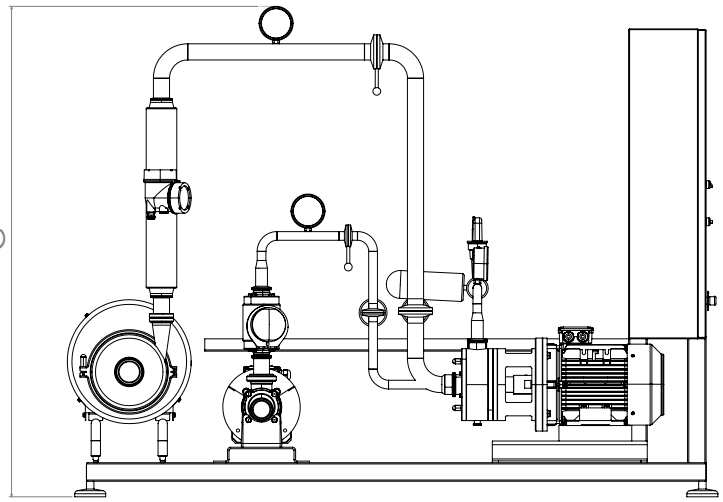


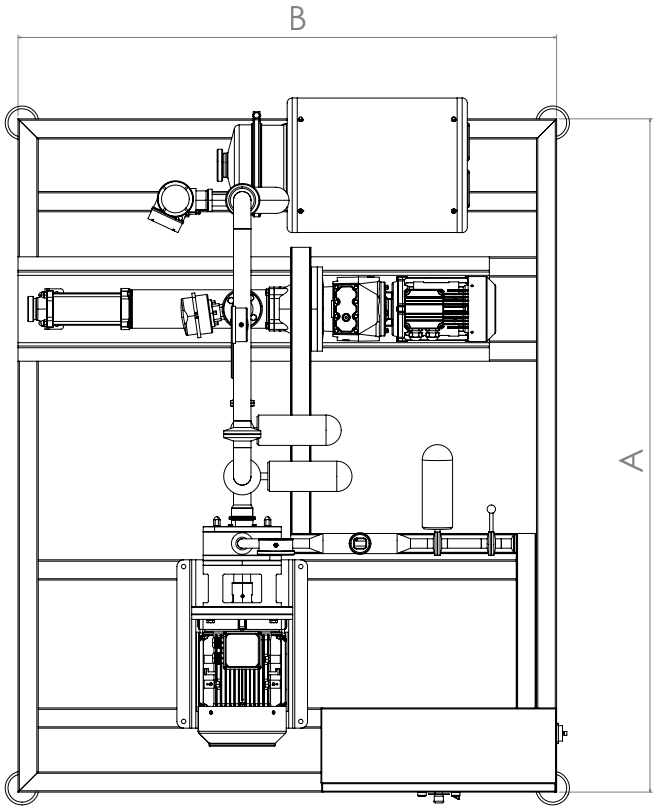


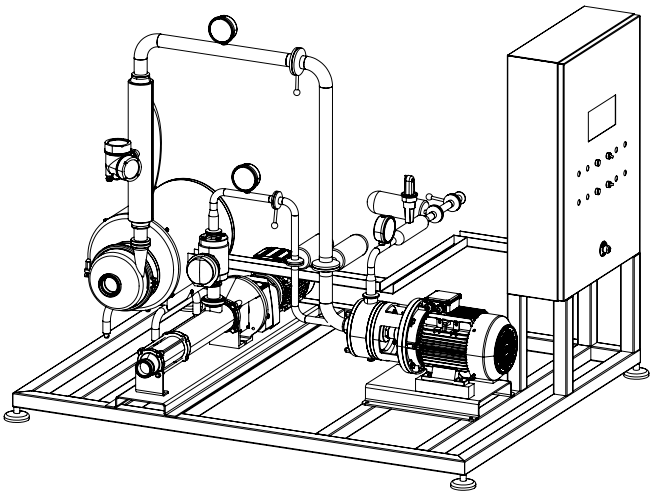
TMXFLOW

Dimensions









Type	A	B	C
SLES	2000	1600	1855

The technical information is provided for informational purposes only and is subject to change at any time without obligation to notify. For the appropriate product or solution selection, we kindly request that you contact our technical department.

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