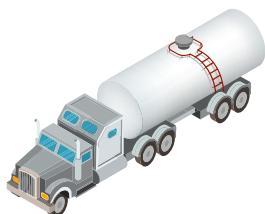


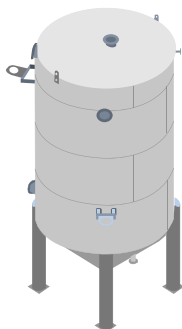
SLES DILUTION SYSTEM



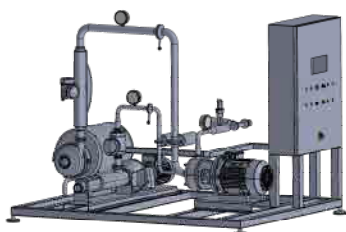
TMXFLOW®
let it flow



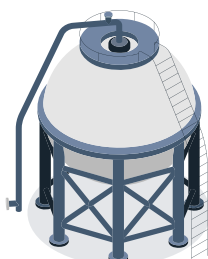
**CONCENTRATED SLES
TANKER TRUCK**



**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

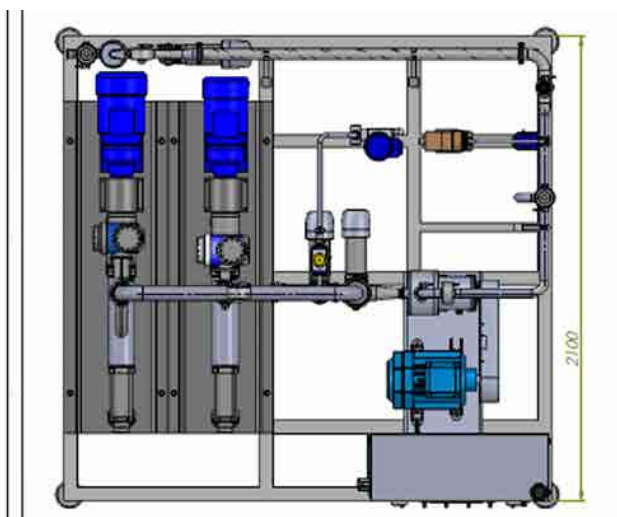
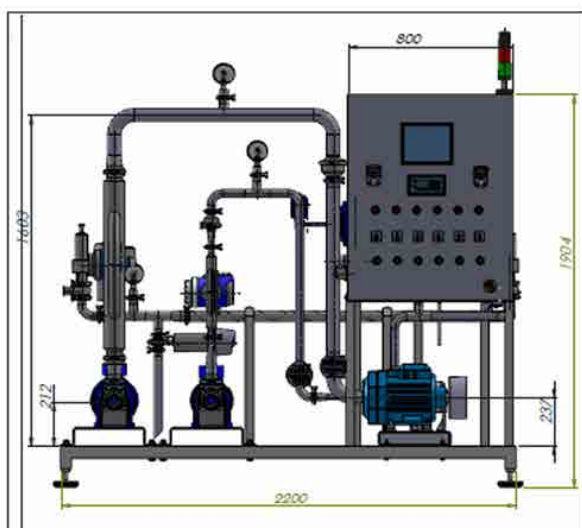
TMXFlow SLES Dilution System provides manufacturers with cost savings, production flexibility, and improved process efficiency.

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

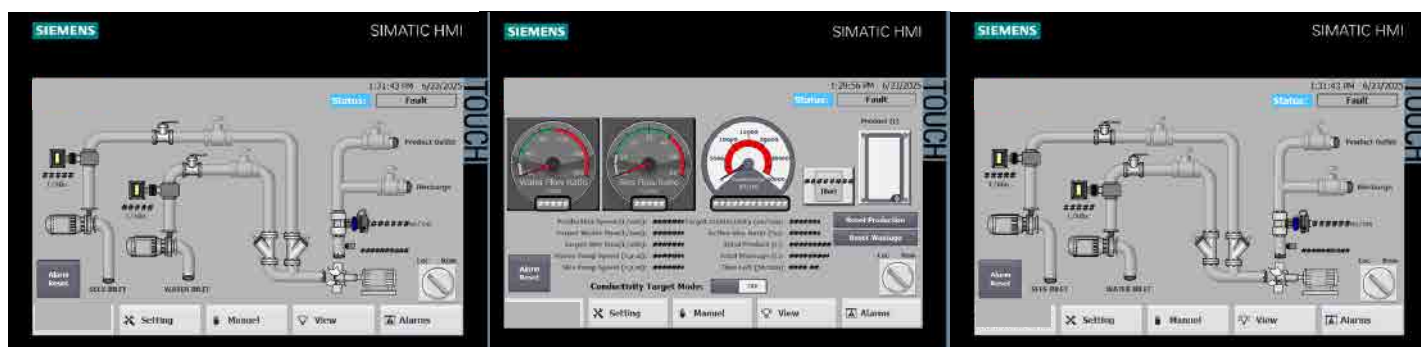
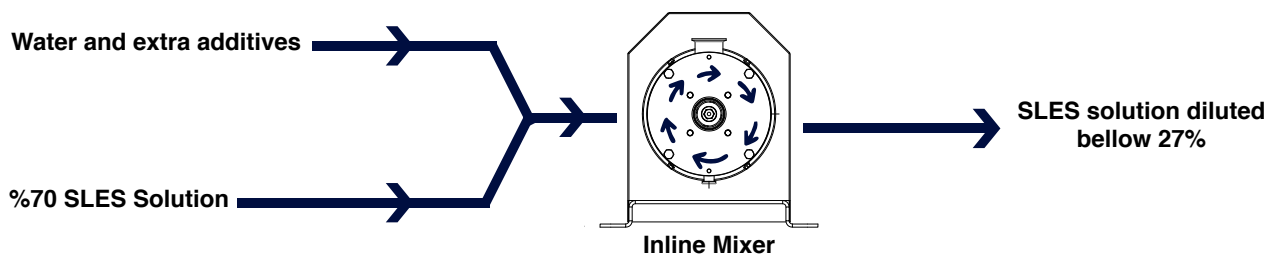
Pumps _____ **Positive Displacement Pumps**
 Valves _____ **Butterfly Valves**
 Mixer _____ **High Shear Mixer**
 Flowmeters _____ **Electromagnetic**

Internal surface finish _____ **Ra <0.8 µm**

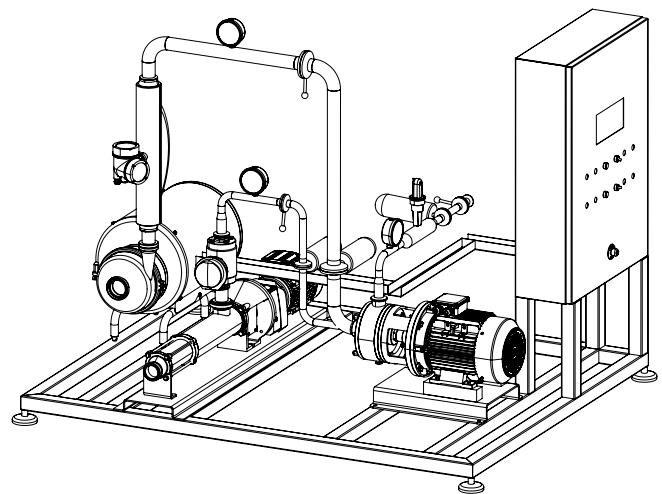
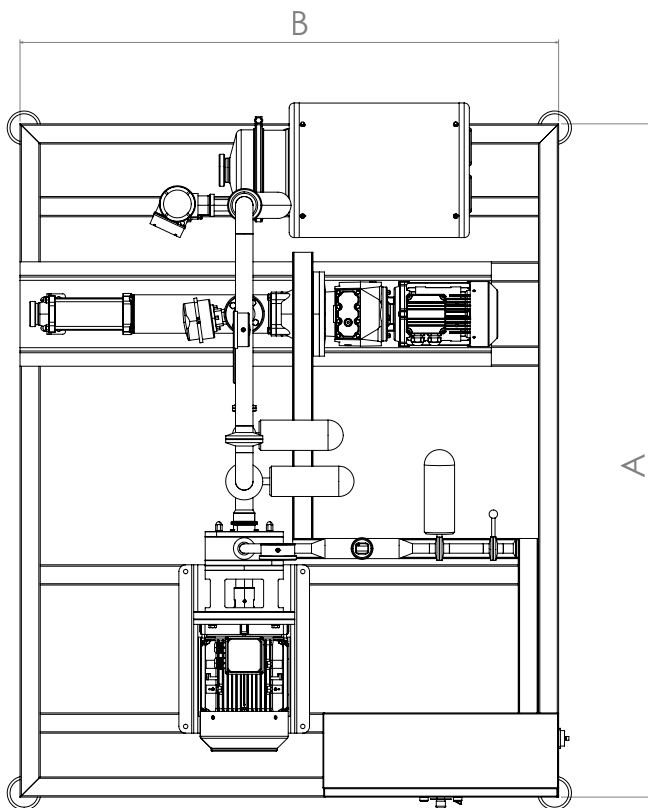
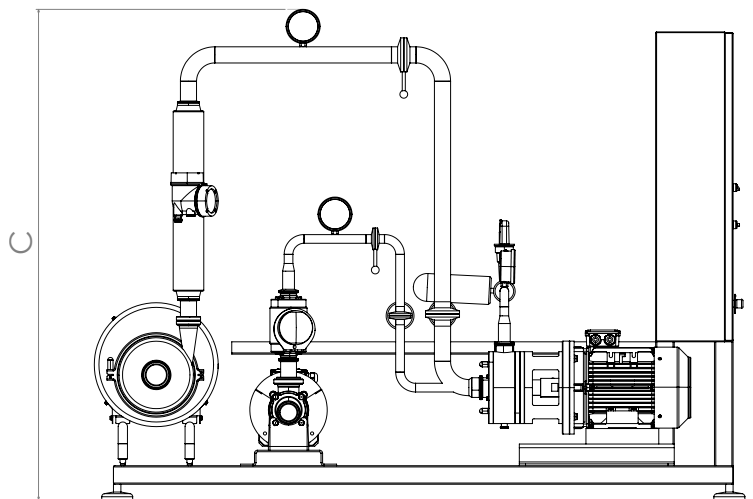
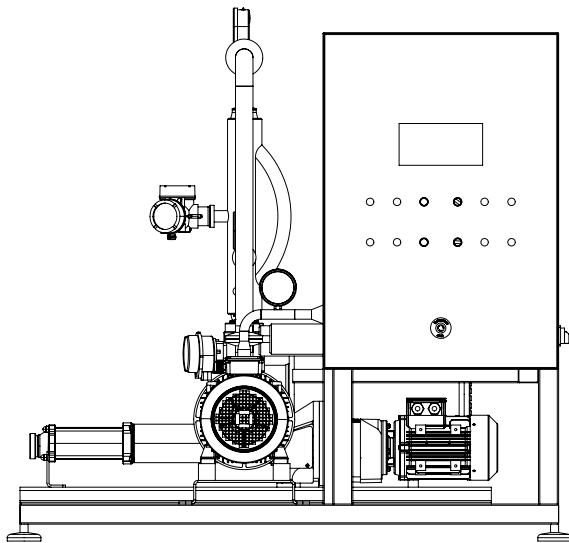
Connections _____ **Clamp (other connections available on request)**
 Electrical Control _____ **PLC and colour 9" touch panel**
 Electrical Connection _____ **400V 3Ph 50Hz**

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.



Dimensions



Type	A	B	C
SLES	2000	1600	1855