

tapflo[®]

SLES MIXING & DILUTION UNIT

Our SLES Mixing & Dilution Unit is a pumping system featuring a Progressive Cavity & Centrifugal Pump, designed to precisely mix, blend, and dilute pre-purchased 70% SLES to its required 27% concentration before it can be used in production, ensuring significant cost reduction and independence from deliveries of pre-diluted SLES.



OVERVIEW OF THE SLES MIXING & DILUTION UNIT

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- Available extensions include the dosing of additional ingredients, and feeding 70% SLES directly from a road tanker
- Continuous/batch supply of SLES at specific concentrations
- Immediate start of the mixing process
- Constant tracing and recording of operational parameters
- Compact and lightweight construction
- Local or remote control
- Low NPSH values to mitigate cavitation risks
- Well-suited to handling solids
- Multiple sealing options available
- Explosion-proof options

COMMON APPLICATIONS

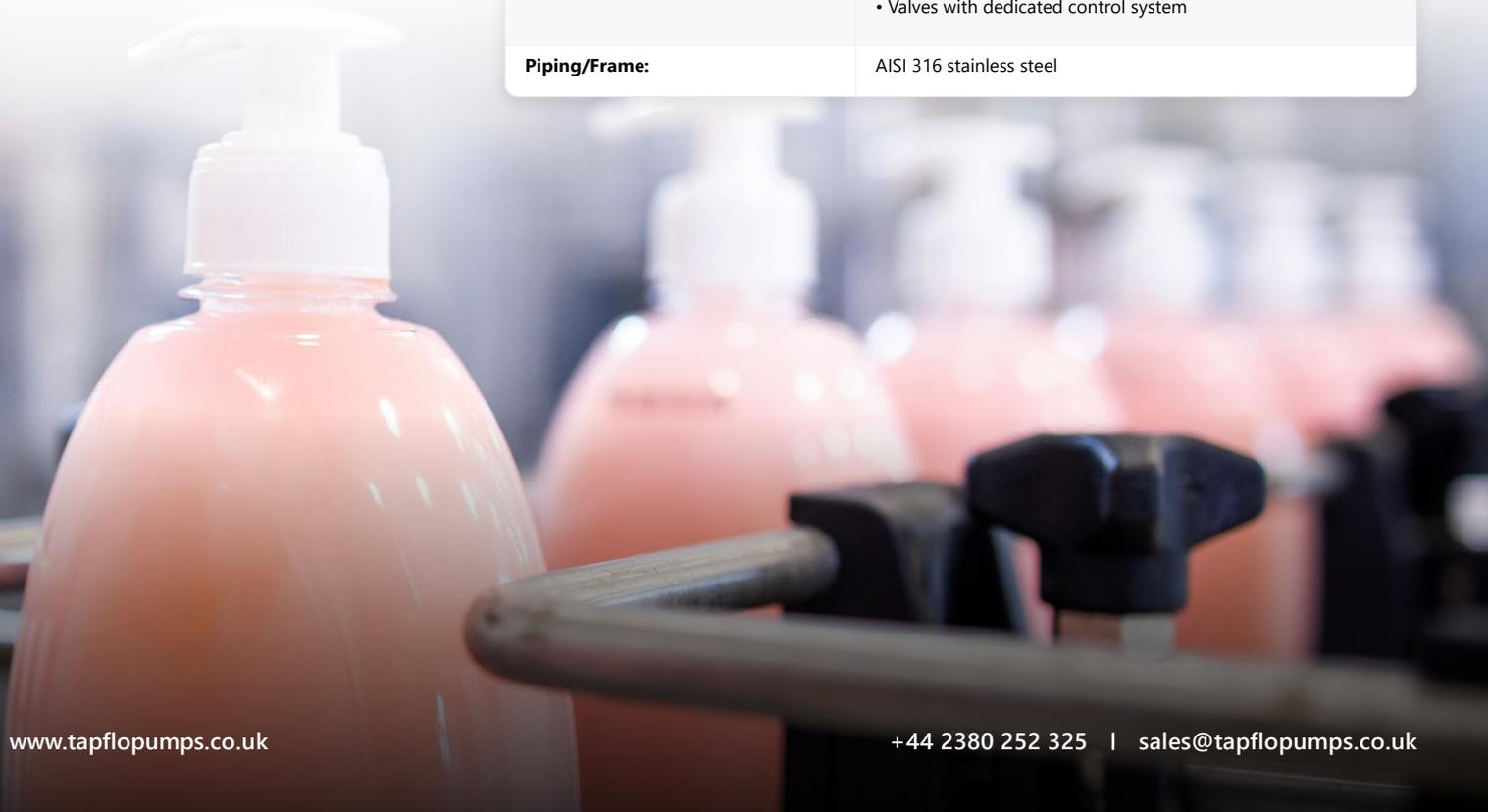
Pharmaceutical, Cosmetics, Print & Dye, Petroleum Leather

CONFIGURATIONS

System can be fully customised. Contact Tapflo for full bespoke system design



Technical Data	Specification
Flow Rate (SLES solution)	Up to 30m ³ /hr (various sizes available)
Max. Head (m.w.c)	Up to 60 m.w.c
Concentration of Obtained SLES solution	0 – 27%
Dimensions of a 5m³/hr Flow Rate System	1500 x 910 x 2000
Pumps	<ul style="list-style-type: none"> • Progressive Cavity Pump for 70% SLES solution feed • Centrifugal Pump for mixing SLES with water and pumping the solution
Control and automation:	<ul style="list-style-type: none"> • Control Unit including PLC with a touch screen • Pressure transmitters • Temperature transmitter • Frequency inverters • Flowmeters • Valves with dedicated control system
Piping/Frame:	AISI 316 stainless steel



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