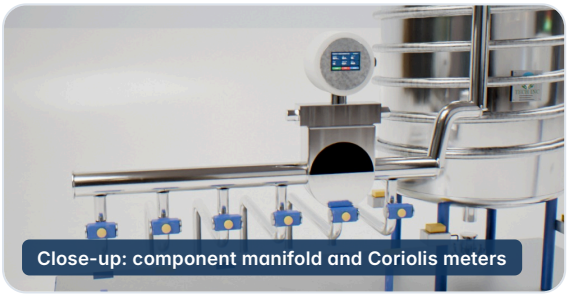
PRODUCT DATASHEET

Lube Oil Blending Skid

Automatic batch and in-line blending of base oils and additives

Product page





Close-up: component manifold and Coriolis meters

OVERVIEW

The Tech Inc. Lube Oil Blending Skid blends base oils and additive packages into finished lubricants to a recipe. In batch mode each component is weighed into a blend vessel on load cells; in in-line mode Coriolis meters and control valves hold the ratio while the blend flows to the tank.

TYPICAL DESIGN DATA

Components	Up to about 12 base oils and additives per skid, more on request
Accuracy	About 0.1 to 0.5% of each component, depending on size
Heating	Electric tracing or hot-water or thermal-oil jackets on lines and vessels
Codes and standards	Pressure parts to ASME B31.3; metering to the accuracy agreed for each component
Materials	Carbon steel or stainless, to the products
Control	Recipes, batch reports and interface to the plant ERP
Hazardous area	Ex-rated components where required

MODELS AND CAPACITIES

- **TI-LBS-B5** – about 5 t batches
- **TI-LBS-B20** – about 20 t batches
- **TI-LBS-I30** – about 30 m³/h in-line
- **TI-LBS-I100** – about 100 m³/h in-line
- **TI-LBS-P** – pilot, about 100 to 500 L batches

Indicative blend batch or in-line rate.

ORDERING CODE

Example **TI-LBS-B20-8-H**: **B20** mode and size: B batch t, I in-line m³/h, P pilot; **8** number of component lines; **H** options: H heated lines, G pigging, E ERP link.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** pigging system; additive dosing and premix skid; sample conditioning for online viscosity; ERP interface; pilot blender for laboratories.

KEY ADVANTAGES

- **Right first time** – weighed or metered components
- **Traceable** – a record for every blend
- **Faster** – automatic sequences and simultaneous dosing
- **No cross-contamination** – line clearing between grades

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Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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