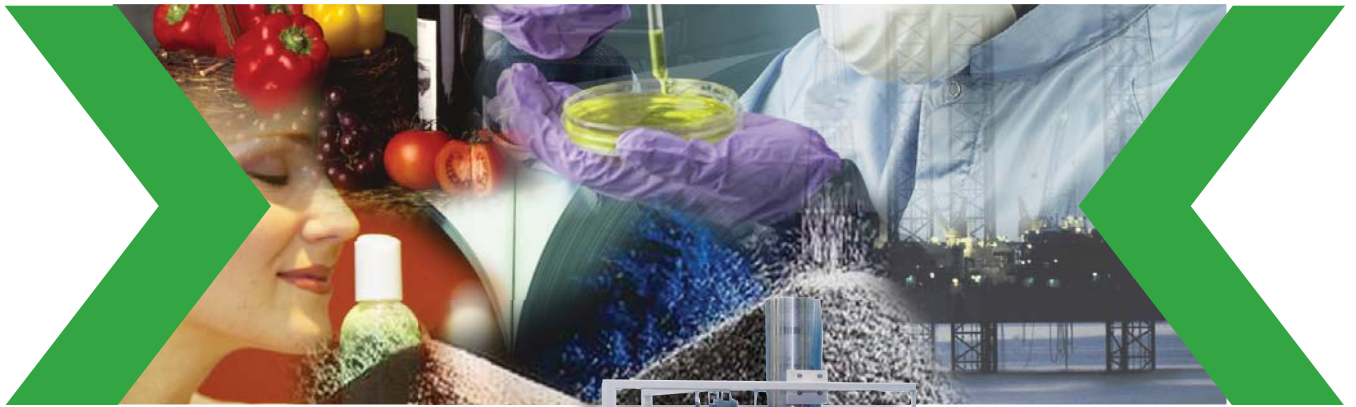


# Pump Packages



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**SPX**<sup>®</sup>

# Concept To Reality

## Custom Built Pump Packages Providing Engineered Solutions from a Single Supplier

Bran+Luebbe has gained a wealth of knowledge in the engineering, control, fabrication and installation of metering pumps and package systems. We provide unparalleled global expertise in diverse markets such as Oil & Gas, Petrochemical, Chemical Processing, Food & Beverage, Toiletries & Detergents, Pharmaceutical and Water Treatment. The individual demands of these industries are well understood by our engineers by offering precise application and technical solutions.

*By investing in a Bran+Luebbe Pump Package our customers profit from a number of key benefits below.*



### Custom Design

Once process parameters are established during an initial review meeting our engineering team will develop and design a proposed solution that meets all requirements allowing for any potential problem areas such as NPSH. Where necessary, control systems can be included to cover Batch, Flow or Proportional Control into a main line stream including PLC that can link to SCADA for recipe download, alarms and reporting as required to suit the process.



### Single Point of Contact

By placing the responsibility for the project with SPX Process Equipment our customers can free up their valuable time by dealing with one supplier in the knowledge that the design, selection and sourcing of equipment as well as assembly, testing and supply will result in a process that will function fully to their expectations.

### Support

We have a dedicated team providing spare parts, regular servicing, service contracts including 24/7 support, on or off line diagnostics, technical support, training and refurbishments along with any warranty issues.

### Standards & Certifications

As part of SPX Process Equipment, Bran+Luebbe is certified ISO9001/2000 and supplies to recognized industry standards such as CE, PED, ATEX, FPAL, etc.

# Installation Layout Illustration



## Equipment Selection

All required components are sourced from approved suppliers and selected to ensure compatibility for the process, suitability for the application and to enhance the safe and reliable operation of the process. Typical items within a Bran+Luebbe pump package could include:

- **Pump:** Appropriate pump to satisfy the specified duty.
- **Flowmeters:** Mass or mag type to monitor or control the pump flow.
- **Strainer:** Removes particles of dirt, debris etc. from the liquid eliminating the possibility of inaccurate metering and wear caused by these particles entering the pump.
- **Dampeners:** When used in the pump suction or discharge line a uniform flow is produced which reduces losses and pipe knocking caused by mass acceleration. This provides increased protection against cavitation in the suction line and against high pressure and over dosing in the discharge line.
- **Pressure Relief Valve:** By design any positive displacement pump operates independently of pressure and will continue to operate in the event of a dead head condition. A pressure relief valve will prevent a rise in operating - pressure above that which the system is designed.
- **Pressure Sustaining Valve:** Provides the pump with a constant positive discharge pressure, and assists in the prevention of over dosing caused by mass acceleration, or when suction pressure exceeds discharge pressure.

## Solar Powered Packages

- Completely self-contained including solar panels and battery back-up.
- Typical power consumption of motor for 4 GPH at 3700 psi operating pressure will only be 160 watts.



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**Bran+Luebbe, Headquarters  
Norderstedt, Germany**



**SPX**<sup>®</sup>  
PROCESS EQUIPMENT

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