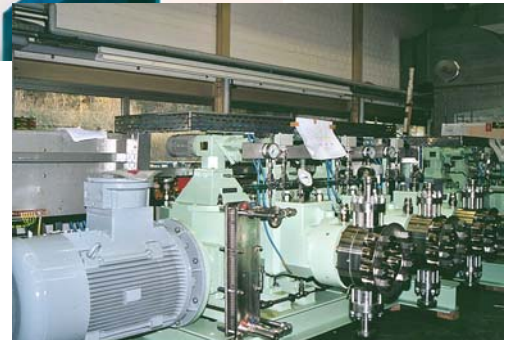


LEWA diaphragm pumps for the production of polyethylene



LEWA diaphragm metering pumps in 3-head design with stroke adjustment (electrically or pneumatically) for remote control and motors with frequency inverter



For years LEWA has supplied metering pumps and systems for the ethylene polymerisation, which are well proven due to the precise reproducible metering accuracy, the wide adjusting range and the high product quality. Among others, they are used for the following processes.

- **Radical production in high pressure reactors, e.g. autoclave reactors, tubular reactors (LDPE)**
- **Catalytic production in low pressure reactors (MDPE, HDPE, LLDPE)**

for the production of:

- **HDPE: High Density Polyethylene**
- **MDPE: Medium Density Polyethylene**
- **LLDPE: Linear Low Density Polyethylene**
- **LDPE: Low Density Polyethylene**

for the following applications:

- **Packing**, e.g. shrink foils, wrapping foils, foils for "bag-in-box"-applications, foils for foodstuff packaging, lining papers
- **Agriculture**, e.g. hot- or green houses, silos
- **And many others**

LEWA metering- and process diaphragm pumps solve the tasks

Due to their outstanding features, diaphragm pumps are used for all these applications.

The typical applications and designs of LEWA pumps in the range of polyethylene production are:

- Conveying of additives (modifier) and comonomer
- Hermetical tightness
- Pressures up to 300 bar
- At high flow rates
- Drive units with electrical stroke adjustment
- Motors with frequency inverters
- Very wide, reproducible adjusting range
- Highly precise flows
- Sturdy and reliable
- Explosion proof
- Comprehensive documentation
- Qualified after sales service worldwide

The excellent product properties, decades of experience and references as well as the approved expertise of the technical global market leader make LEWA a reliable partner in the industrial production of polyethylene.



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