

# LEWA metering and mixing packages

for process engineering



- **reliable**
- **economical**
- **easy to integrate**

# LEWA metering systems and metering packages



All from one source:  
all components of the  
LEWA metering system



... of the standard metering  
packages and of the ...



... individually designed  
metering packages are  
optimally matched to  
each other

**Metering and mixing of fluids, in conjunction with other process steps, plays an important role in many production plants utilising process technology. Increasing automation adds special importance to plant controls with process displays, recording of operating data and interfacing with supervisory process management systems.**

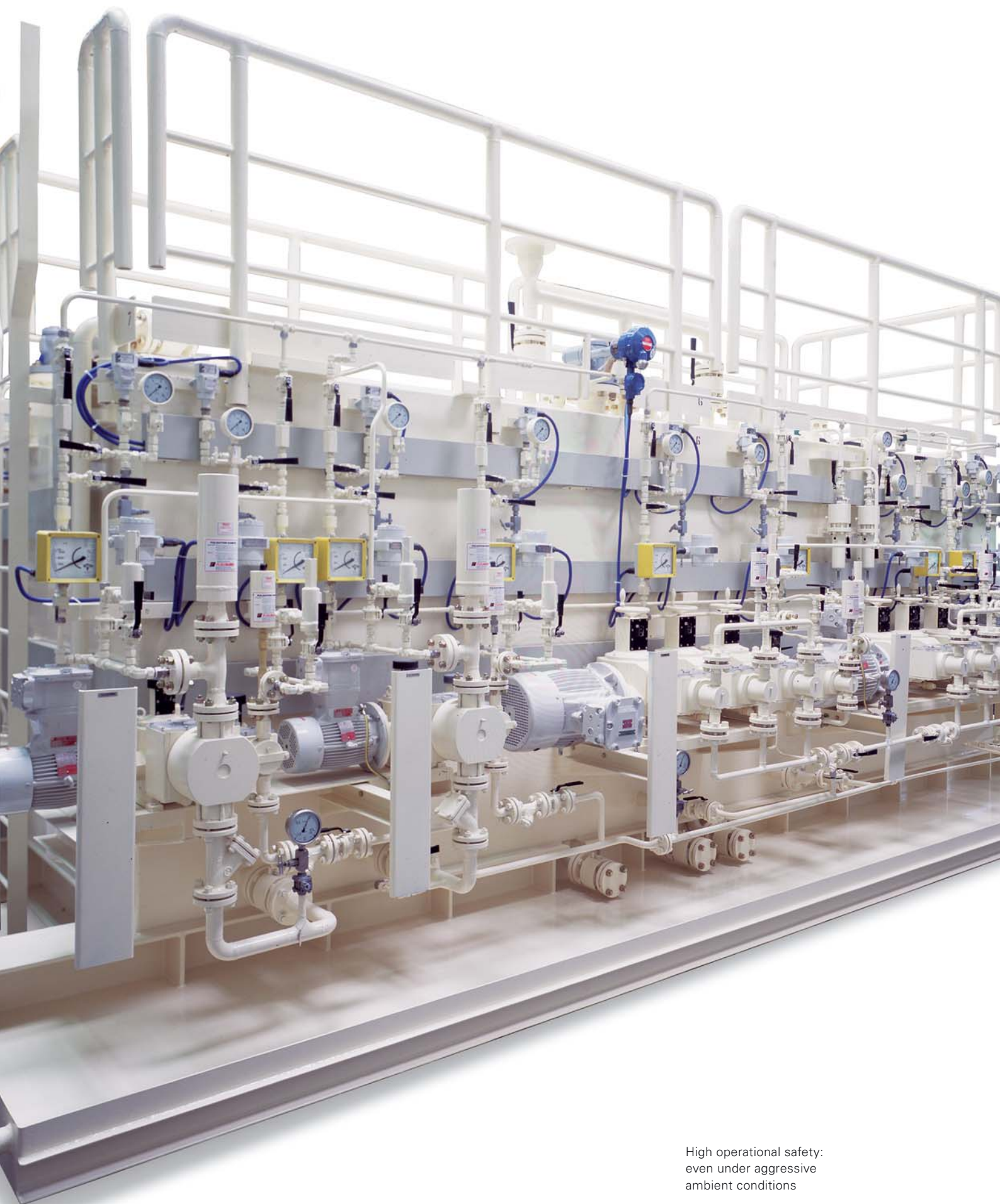
LEWA designs and supplies metering systems and metering and mixing packages for the most different applications. The performance range covers basic engineering via process engineering up to commissioning of complete, turn-key installations.

Based on our broad know-how in process engineering we advise our customers during all stages of the project. For this most modern devices, such as a process research laboratory with recording of measured data, CAD-systems, computerised calculation programmes for pipelines and comprehensive data bases for package components, are available. Apart from process engineering technology a fully equipped instrumentation and control department with extensive experience for the concept and optimisation of electric controls is available.

- metering systems
- standard metering packages
- tailor-made metering packages as solution for specific applications

## Advantages for the customer are:

- all from one source, only one responsibility for engineering and production
- all systems and components adapted and optimised with each other
- individual solutions from the pump up to turn-key plant installations
- expert selection of hardware
- in-house software development for package control and process visualisation
- control cabinet design and manufacturing
- over 50 years of experience
- state-of-the-art equipment for development and production
- technical leader in liquid metering worldwide
- expert consultancy in process engineering and electronic open and closed loop control technology



High operational safety:  
even under aggressive  
ambient conditions

# Repeatable solution concepts: LEWA standard metering packages



Flow proportional:  
precisely controlled odourant addition  
e. g. in the natural gas supply



Different concentrations:  
metering- and mixing packages  
e. g. for acid dilution



Precise metering and mixing:  
metering of peroxide for  
cross-linking of polyethylene

LEWA standard metering packages, e.g. for gas odourisation, sulphuric acid dilution or polyethylene cross-linking and metering- and mixing packages for specific applications are supplied from one source. All components are precisely adapted to each other and thus, apart from high availability and operational safety of the packages, assure an excellent cost – benefit ratio also.





Hygienic and reproducible:  
recipe metering in  
the food industry

# All from one source: LEWA customised metering- and mixing packages



Precise and continuous:  
metering- and mixing packages for  
the production of fabric softeners



Precise at high pressure:  
LEWA metering pumps and packages  
in the chromatography



Precise and reproducible:  
fully automatic compact package  
for recipe controlled production  
of dispersion adhesives

**Metering- and mixing packages specially designed for an individual application are also supplied from one source. All components are precisely adapted to each other assures high availability and operational safety of the packages.**

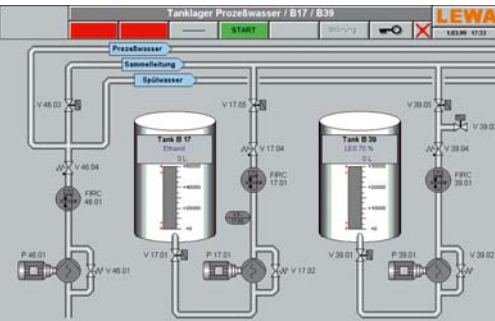
LEWA designs, manufactures and supplies the most different solutions starting from the metering pump with accessories mounted via metering systems up to complete turn-key packages. The advantage for the customer and an optimal, economic design are first priority here.



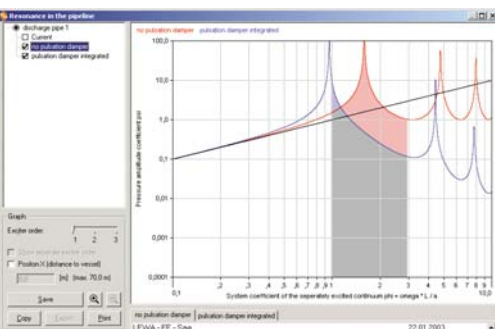


Extremely high availability:  
decisive for metering-  
and mixing packages for  
the offshore-technology

# Partner to the customer: System responsibility from one source



Easy integration:  
reliable process monitoring and control



Consultation at an early stage already:  
fluid evaluations and sound pipeline  
calculations save money even before  
the actual investment has started



Utilise competence:  
LEWA's know-how and experience includes  
the full range of liquid metering technology

**LEWA not only is a supplier of metering pumps, metering systems, process diaphragm pumps and control technology, LEWA also is the close partner of the customer for all activities connected to the products.**

Our services include consulting before and after placement of an order, engineering of pumps and pump systems including expandable system solutions, complete service including repair, supply of spare parts as well as maintenance and training worldwide. We are always at your service and our 50 years of experience are at your disposal.

## Complete service

- vibration analysis and design calculation for pipelines and pulsation dampers
- fluid evaluations
- software development, also for individual controls
- system tests
- commissioning on-site
- service and maintenance contracts
- service worldwide
- consultation for changed operating conditions
- extension and modification of existing pumps and systems

From the pump to the system:  
LEWA designs and supplies solutions  
for the most different tasks





# For every occasion: The LEWA product range



LEWA ecoflow



LEWA micro-metering pumps



LEWA ecodos



LEWA process diaphragm pumps

In addition to metering systems and metering packages LEWA manufactures metering pumps and process diaphragm pumps. If you are interested in our complete scope of supply we would be pleased to send comprehensive information and leaflets to you.

## LEWA ecoflow

The universally applicable metering pump series in modular design is the technically and economically optimal solution for medium and high pressures. Drive units and pump heads can be combined to multiplex pumps even in different frame sizes. A variety of drives and accessories are available for application specific adaptation.

### Performance range

<b>Flow rate</b>	up to 10 m <sup>3</sup> /h per pump head
<b>Discharge pressure</b>	up to 1200 bar

## LEWA ecodos

Standard diaphragm metering pumps for low pressure services using a patented, mechanically actuated four-layer PTFE sandwich diaphragm for multiple safety. In simplex or multiplex configurations.

### Performance range

<b>Flow rate</b>	up to 1,5 m <sup>3</sup> /h per pump head
<b>Discharge pressure</b>	up to 20 bar

## LEWA micro-metering pumps

Micro-metering pumps with hydraulically actuated metal diaphragm, used predominately in the laboratory and process research duties in pilot plants.

### Performance range

<b>Flow rate</b>	up to 68 l/h
<b>Discharge pressure</b>	up to 560 bar

## LEWA process diaphragm pumps

Eliminate fugitive emissions with leak-free LEWA process diaphragm pumps for high pressure, high flow services. No process fluid can escape to the atmosphere. LEWA triplex with compact monoblock drive element and LEWA ecoflow in variable multiplex assembly guarantee zero leakage and low maintenance operation.

### Performance range

<b>Flow rate</b>	up to 180 m <sup>3</sup> /h
<b>Discharge pressure</b>	up to 1200 bar

# Take advantage of our know-how

LEWA is a global supplier of metering pumps, process pumps, and metering systems. We strive for a close partnership with our customers in all activities related to our products. Your complete satisfaction begins with consultation before or after an order is even placed, service and repair, spare parts supply, maintenance and training.

Our services extend from comprehensive documentation for our products through fast spare parts supply, expert repairs and rebuilds, and field service for maintenance and training. This increases the uptime of LEWA pumps and packages and assures troublefree operation.

We would be pleased to present detailed information on our scope of supply, our services and our resources that can be made available to you. Our over 50 years of experience in fluid metering and controlled volume applications is behind the design support we offer.

## For this are offer:

- Correct pipe line calculation
- Fluid evaluation from the expert
- Worldwide, competent service
- Maintenance directly from the manufacturer
- Seminars from the specialist
- Spare parts supply with 24/28 hours service
- Installation of diagnosis systems



Profit from LEWA's know-how at an early stage, during design or ongoing operation



On-site without delay: Consulting, maintenance or service. Being close to our customers is very important to us

Worldwide:  
With more than 10 LEWA Centers of Competence around the globe, and over 60 experienced representatives, we never are far away



# For short distances: LEWA at your service worldwide



## Germany / Headquarters

### LEWA GmbH

Ulmer Str. 10  
71229 Leonberg  
Phone +49 7152 14-0  
Fax +49 7152 14-1303  
lewa@lewa.de  
www.lewa.de

### LEWA HOV GmbH + Co KG

Neue Ramtelstr. 48  
71229 Leonberg  
Phone +49 7152 6091-0  
Fax +49 7152 6091-59  
hov@hov.de  
www.hov.de

## Austria

### LEWA Pumpen GmbH

1150 Vienna  
Phone +43 1 8773040-0  
info@lewa.at  
www.lewa.at

## Brazil

### LEWA Bombas Ltda.

04378-400 São Paulo - SP  
Phone +55 11 56770466  
info@lewa.com.br  
www.lewa.com.br

## Bulgaria

### LEWA - Technical Office Sofia

1421 Sofia  
Phone +359 2 8654088  
lewa.bg@lewa.at  
www.lewa.bg

## China (P.R.C.)

### LEWA Pumps (Dalian) Co., Ltd.

116600 Dalian  
Phone +86 411 8758-1477  
sales@lewa.cn  
www.lewa.cn

## Czech Republic

### LEWA Pumpen spol. s.r.o.

602 00 Brno  
Phone +420 5 43236052  
office@lewa.cz  
www.lewa.cz

## France

### LEWA S.A.S.

78500 Sartrouville  
Phone +33 1 308674-80  
info@pompes-lewa.fr  
www.lewa.fr

## Hungary

### LEWA Kft.

1012 Budapest  
Phone +36 1 2240403  
info@lewa.hu  
www.lewa.hu

## Italy

### LEWA S.R.L.

20020 Arese (Mi)  
Phone +39 02 935826-60  
info@lewa.it  
www.lewa.it

## Mexico

### LEWA México - Technical office

01210 México D.F.  
Phone +52 55 91 72 92 10 280  
info@lewa.es  
www.lewa.es

## Norway

### LEWA AS

4319 Sandnes  
Phone +47 52 9091-00  
info@lewa.no  
www.lewa.no

## Poland

### LEWA Sp. z o.o.

00-159 Warsaw  
Phone +48 22 6358204  
info@lewa.pl  
www.lewa.pl

## Romania

### LEWA Romania s.r.l.

050579 Bucharest  
Phone +40 21 4107340  
info@lewa.ro  
www.lewa.ro

## Singapore

### LEWA PTE LTD

Singapore 129808  
Phone +65 686 17127  
info@lewa.sg  
www.lewa.sg

## Singapore

### Pump Alliance PTE LTD

Singapore 129808  
Phone +65 646 86802  
pbeddard@cpcasia.com.sg  
www.pumpalliance.sg

## Spain

### LEWA Hispania, S.L.

08020 Barcelona  
Phone +34 93 2247740  
info@lewa.es  
www.lewa.es

## Switzerland

### LEWA Pumpen AG

4153 Reinach 1  
Phone +41 61 7179400  
info@lewa-pumpen.ch  
www.lewa-pumpen.ch

## UAE / Dubai

### LEWA GmbH (LEWA Branch)

Dubai Airport Free Zone, UAE  
Phone +971 4 2993969  
lewa@lewa-dubai.ae  
www.lewa.ae

## Ukraine

### LEWA Ukraine LC

03039 Kiev  
Phone +380 44 52796-31  
lewa.ua@lewa.at  
www.lewa.at

## USA / North- and Middle America

### LEWA, Inc.

Holliston, MA 01746  
Phone +1 508 429-7403  
sales@lewa-inc.com  
www.lewa-inc.com

## USA / Gulf Coast Oil & Gas Production

### Capital Process Management, Inc.

Houston, TX 77086  
Phone +1 713 673-5161  
rfletcher@capitalprocess.com  
www.capitalprocess.com