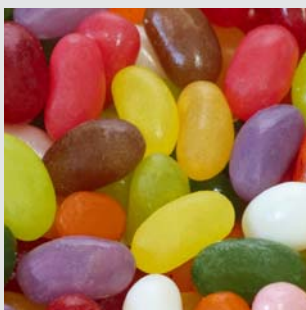


# LEWA ecodos<sup>®</sup> sanitary

Diaphragm pump series



- hermetically tight
- accurate, repeatable metering
- low hold-up volume
- low shear handling of fluids
- reliable and economical
- low maintenance



# LEWA pump design – setting the standards for industry



One pump for many applications:  
Production of jellied sweets.



Metering of colours, flavours,  
or preservatives.



Transfer of mustard and other  
viscous products.

## Performance

LEWA ecodos® sanitary pumps provide fluid metering and transfer from 0,4 l/h to 1.500 l/h per pump head. Up to six pumps can be multiplexed for additional capacity or to reduce pulsation. Whether using open loop control for simple systems or closed loop control for more complex applications, the end result is a process with exactly metered ingredients to achieve consistent product quality. LEWA ecodos® sanitary pumps are suited to applications with discharge pressures up to 20 bar.

## Main features of the pump

- Sealless, and hermetically tight
- No sliding seals or packing
- Low hold-up volume
- Suitable for CIP
- Run-dry safe
- Easy disassembly and re-assembly of the pumping chamber
- Multiplex capable
- Compact for small footprint
- Long uptimes

## Surface finishes

All pump head components are manufactured of 1.4571 (316Ti) stainless steel, and wetted surfaces are mechanically polished to sanitary industry standards ( $\leq 0,8 \mu\text{m}$ ). This provides corrosion resistant and easy-to-clean surfaces.

## Leaktight and fail-safe

The LEWA ecodos® "safety diaphragm" is made of pure, solid pure PTFE compatible with biological tissue (USP Class VI). Should perforation of the working diaphragm layer occur, an immediate signal is given by the diaphragm condition monitor for shutdown.

## FDA approved materials

All materials of construction wetted by the process fluids are FDA approved and therefore compatible with food and drug products.

## Tri-clamp or other sanitary fittings

For easy integration into existing or new process lines, tri-clamp or other design sanitary fittings are available to meet user requirements.

## Proper documentation

Extensive documentation is a matter of course at LEWA. Included with the operating manuals are technical data sheets, cross-sectional drawings, material traceability and wear and spare parts lists. Test reports, pressure tests and output diagrams are available as options.



LEWA pumps have many configurations that run the range from simple metering to skids for introducing micro-ingredients.



Proportional blending of liquid ingredients.



Complex systems for proportional blending or transfer of multiple product streams

### Proportional blending

LEWA metering technology satisfies customer requirements for continuous production, resulting in cost savings and waste reduction. Whether for simultaneous blending of different ingredient streams in proportional amounts, or for injecting accurate and repeatable amounts of micro-ingredients into a main process stream, LEWA ecodos® pumps have been proven in operation for many years.

### Fluid transfer

LEWA diaphragm pumping technology makes it possible to handle shear-sensitive and expensive ingredients in a hermetically sealed pumping environment and with gentle pumping action. Due to the extreme low hold-up volume in the pump head and the pressure-stiff characteristics of diaphragm pumps, fluids pass through the pump head quickly and without inefficient slippage.



Ideal for all applications:  
LEWA ecodos® – the ultimate sealless diaphragm pump with low hold-up volume and polished wetted surfaces.



# For short distances: LEWA at your service worldwide

**Germany / Headquarter**■ **LEWA GmbH**

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

**Japan / Headquarter**■ **NIKKISO CO. LTD.**

3-43-2, Ebisu, Shibuya-ku,  
 Tokyo 150-8677  
 Phone +81 3 3443-3711  
 Fax +81 3 3473-4963  
 www.nikkiso.com

**Austria**■ **LEWA Pumpen GmbH**

1150 Vienna  
 Phone +43 1 8773 040-0  
 info@lewa.at  
 www.lewa.at

**Brazil**■ **LEWA Bombas Ltda.**

09951-970 Diadema/SP  
 Phone +55 11 4075 9999  
 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**■ **LEWA Pumps (Dalian) Co., Ltd.**

11 6600 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 432360-52  
 office@lewa.cz  
 www.lewa.cz

**France**■ **LEWA S.A.S.**

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

**Germany**■ **LEWA HOV GmbH + Co KG**

71229 Leonberg  
 Phone +49 7152 6091-0  
 hov@hov.de  
 www.hov.de

**Hungary**■ **LEWA – Hungarian Representative**

2040 Budaörs  
 Phone +36 23 880 975  
 info@lewa.hu  
 www.lewa.hu

**Italy**■ **LEWA S.R.L.**

20017 Mazzo di Rho (Mi)  
 Phone +39 02 93468-61  
 info@lewa.it  
 www.lewa.it

**Mexico**■ **LEWA México – Technical Office**

01210 México D.F.  
 Phone +52 55 917292-10  
 info@lewa.es  
 www.lewa.es

**Norway**■ **LEWA AS**

4319 Sandnes  
 Phone +47 529091-00  
 info@lewa.no  
 www.lewa.no

**Poland**■ **LEWA Sp. z o.o.**

00-159 Warsaw  
 Phone +48 22 6358-204  
 info@lewa.pl  
 www.lewa.pl

**Romania**■ **LEWA Romania s.r.l.**

050579 Bucharest  
 Phone +40 21 4107-340  
 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 (J. V.)**

Singapore 129808  
 Phone +65 6468 6802  
 pbeddard@pumpalliance.com  
 www.lewa.sg

**Spain**■ **LEWA Hispania, S.L.**

08020 Barcelona  
 Phone +34 93 22477-40  
 info@lewa.es  
 www.lewa.es

**Switzerland**■ **LEWA Pumpen AG**

4153 Reinach 1  
 Phone +41 61 7179 4-00  
 info@lewa-pumpen.ch  
 www.lewa-pumpen.ch

**U.A.E. / Dubai**■ **LEWA GmbH (LEWA Branch)**

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

**Ukraine**■ **LEWA Ukraine LC**

03039 Kiev  
 Phone +380 44 52796-31  
 office@lewa.kiev.ua  
 http://www.lewa.com/ukraine/ua/2482/

**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 Sales & Service Center**■ **LEWA, Inc**

Houston, TX 77086  
 Phone +1 713 577-5392  
 sales@lewa-inc.com  
 www.lewa-inc.com

■ **CPE Holdings, Inc.**

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

Find more LEWA subsidiaries  
 at [www.lewa.com](http://www.lewa.com)