

# **Service Information**

ORIGINAL INSTRUCTION MANUAL

## Replacement of the feed pump

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Member of the technotrans group 过technotrans 过gds 过termotek 过klh 过gwk technotrans AG Robert-Linnemann-Str. 17 48336 Sassenberg Germany Tel +49 (0) 2583 301-1000 info@technotrans.de www.technotrans.de



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#### 1 Contact Addresses

#### 1.1 Manufacturer's address

technotrans AG Robert-Linnemann-Straße 17 48336 Sassenberg Phone +49 (0) 25 83-301-1000 Fax +49 (0) 25 83-301-1030

#### Germany

#### 1.2 Service addresses

#### **Europe**

technotrans AG Robert-Linnemann-Straße 17 48336 Sassenberg

Phone: +49 (0) 25 83-301-2000 Fax: +49 (0) 25 83-301-2547

Email: customer-service@technotrans.de

Germany

technotrans france sarl
ZAET "Les Haies"
Rue Albert Einstein
60740 Saint-Maximin cedex
Phone: +33 (0) 3 44-24 2128
Fax: +33 (0) 3 44-24 85 26
Email: service-france@technotrans.fr

France

technotrans italia s.r.l. Via Spallanzani, 18 20025 Legnano (Mi)

Phone: +39 (0) 3 31-45 56 09 Fax: +39 (0) 3 31-45 50 65 Email: service-italy@technotrans.it

Italy

technotrans graphics Itd. Axis One, Brunel Way Severalls Business Park Colchester, Essex CO4 9QX Phone: +44 (0) 1206-2242-00 Fax: +44 (0) 1206-2242-01

Email: service-uk@technotrans.co.uk

**England** 

technotrans France SARL Surcusal en ESPAÑA Paseo de Recoletos, 7 y 9, 5a

28004 Madrid

Phone: +34-91 679 2119

Email: service-spain@technotrans.es

Spain

#### **America**

technotrans america inc. 1441 E. Business Center Drive Mt. Prospect, Illinois 60056 Phone: +1 (847) 227-9200 Fax: +1 (847) 227-9400

Email: service-usa@technotrans.com

USA

technotrans américa latina Alameda Mercúrio, no. 318 American Park Empresarial 13347-662 Indaiatuba - SP Phone: +55 (19) 3936-7900 Fax: +55 (19) 3935-1304

Email: servico@technotrans.com.br

**Brasil** 

#### Asia

technotrans Asia-Pacific limited, Japan branch 322 Sannomiya Venture Building

4-1-23 Hamabe-Dori, Chuo-Ku

Kobe 651-0083

Phone: +81 3 5484 3180 Fax: +81 3 5484 3181

Email: service-japan@technotrans.com

Kobe, Japan

technotrans Middle East FZ-LLC Circular Building - Block D

International Media Production Zone (IMPZ)

Second Floor - Office 208

P.O. Box 485010

Phone: +971 (0) 4 448 4225 Fax: +971 (0) 4 436 4091

Email: service-dubai@technotrans.com

**Dubai, United Arab Emirates** 

technotrans group (taicang) co., ltd No. 8 North Loujiang Road Taicang 215400 P.R.China

Phone +86 (0) 512 5367 8100 Fax +86 (0) 512 5367 8199

China

technotrans technologies pte.ltd 66 Kallang Pudding Road #04-03

Hor Kew Business Centre Singapore 329324 Phone: +65 6508 6800 Fax: +65 6844 1566

Email: service-singapore@technotrans.com

**Singapore** 

technotrans india pvt ltd. #24, Eden Plaza Second Floor Mount Poonamallee High Road Nandambakkam, Chennai 600 089

Tamil Nadu

Phone: +91 (0) 44 6565 9349 Fax: +91 (0) 44 4351 9350

Email: service-india@technotrans.com

Chennai, India

#### **Australia**

technotrans technologies pte ltd Unit 7 / 111 Lewis Road Wantirna Victoria 3152

Phone: +61 3 9887 5049 Fax: +61 3 9801 1945

Email: service-australia@technotrans.com

**Australia** 

## 2 Safety

#### **NOTE**

Every person who is ordered to work on the unit/system must have read and understood the safety instructions of the associated operating or service instructions and, in particular, the "Safety" chapter.

If necessary, in-house instruction should be provided, taking into account the technical qualifications of the personnel concerned.

#### **A** WARNING

#### Danger due to incorrect conversion!

There is an increased risk of injury to unauthorised persons who are not suitably qualified or trained.

- Conversion of the unit should be carried out only by suitably qualified persons who are familiar with the unit and who have been informed as to potential hazards.
- Make sure that all safety-related requirements have been fulfilled prior to conversion.

## **A** WARNING

#### Carelessness can lead to electrocution!

Observe the following points when working on the electrical system:

- 1. Disconnect the unit from the electricity supply.
- 2. Secure the unit so that it cannot be switched on again accidentally.
- 3. Check whether the unit is properly disconnected from power.
- 4. Earth and short-circuit the unit.
- Cover any adjacent live parts and secure the danger area.

#### **NOTE**

Please read the instruction manual or the service manual of the units.

#### **NOTE**

Follow the instructions given in the circuit diagram.

## 3 Description / Overview

## 3.1 General information

The following sections describes the process for the conversion of a feed pump.

The conversion process includes the following steps:

- Removal of the existing pump
- Installation of the new pump

## **Required tools**

- Screwdriver
- Allen key
- Spanner/pipe wrench

## 3.2 Scope of supply

## NOTE

Prior to commencing the conversion, check whether the supplied parts are complete. Contact the technotrans service department in the case of any discrepancies.

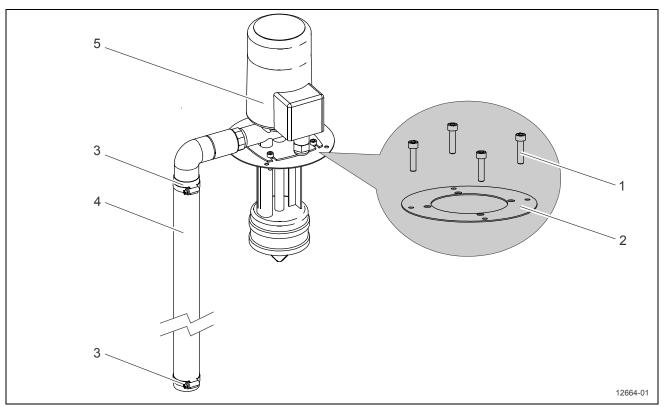


Fig. 1: Conversion material

- 1 Screws
- 2 Adapter plate
- 3 Hose clamp

- 4 Hose
- 5 Pump with piping

## 4 Dismantling

### **A** WARNING

### Risk of injuries for persons due to heavy objects!

The components mentioned above are very heavy and bulky.

Always have several persons carry out the installation or dismantling or use appropriate lifting devices!

## **A** CAUTION

## Perform only those maintenance tasks that you have been instructed to perform!

There is an increased risk of injury for persons who perform tasks for which they are neither qualified nor trained.

- Maintenance tasks should be performed only by suitably qualified persons
  who are familiar with the tasks and who have been informed as to the
  potential hazards.
- Perform repairs of the pipe systems and tanks only when the system is depressurised. Switch the pumps off. Depressurise the pipes.
- Drip pans must be placed under the hoses and pipes when working on them.
- Perform a pressure and leak test after the installation.

## Note concerning the protection of the environment

The improper disposal of consumables (e.g. filters, filter mats) has a negative impact on the environment.

- Consumables must not be disposed of as household waste.
- The materials must be disposed of separately and supplied separately to the recycling centres.
- Comply with the applicable national and local rules and regulations.

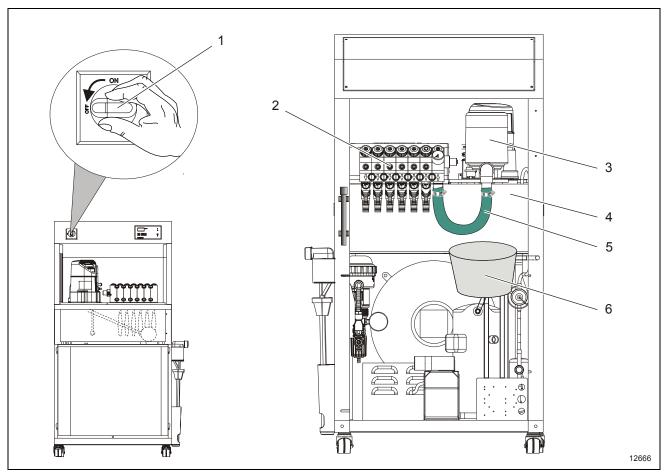


Fig. 2: Feed pump removal (example)

- 1 Maintenance switch
- 2 Ejector block
- 3 Feed pump

- 4 Dampening solution tank
- 5 Hose
- 6 Collecting vessel

#### Remove the old feed pump as follows:

- 1. Switch the unit off via the maintenance switch (1).
- 2. If necessary, close the ball valve downstream of the feed pump (3).
- 3. Disconnect the electrical connection from the pump.
- 4. Open the hose clamps of the hose (5) with the aid of a screwdriver.
- 5. Keep a suitable collecting vessel (6) ready.
- 6. Disconnect the hose (5) from the ejector block (2) and feed pump (3).
- 7. The feed pump (3) is fastened to the cover of the dampening solution tank (4) by way of four screws. Remove the screws and take the feed pump (3) out of the dampening solution tank (4).

## 5 Installation

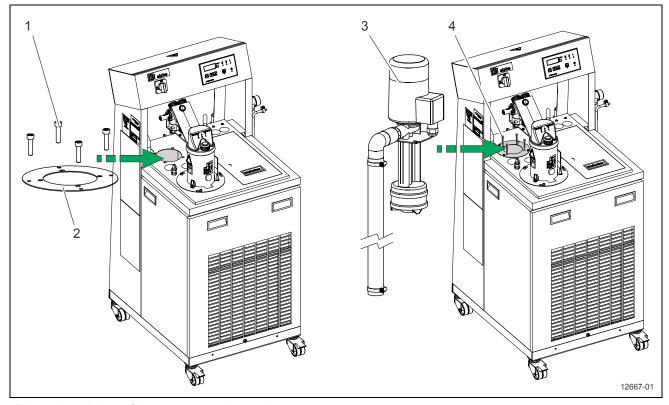


Fig. 3: Installation of the new pump (example)

Proceed as follows in order to install the new feed pump:

- 1. Check the potential hose route by holding the hose in the desired position. Adapt it if necessary.
- 2. Screw the adapter plate (2) onto the opening of the dampening solution tank with the four screws (1).
- 3. Install the feed pump (3) and secure it on the adapter plate by way of the four screws (4).
- 4. Connect the feed pump (3) to the power supply. See the circuit diagram of the unit.

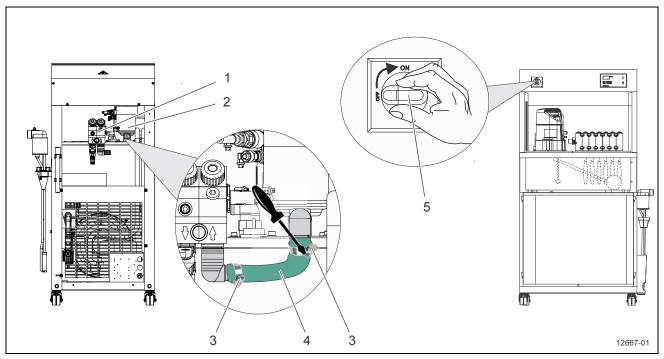


Fig. 4: Installation of the new pump (example)

- 1 Ejector block
- 2 Feed pump
- 3 Hose clamp

- 4 Hose
- 5 Maintenance switch
- 6. Connect the feed pump (2) and the ejector block (1) by way of a hose (4) and two hose clamps (3).
- 7. Switch the unit on via the maintenance switch (5) and check the system for leaks.

### **NOTE**

Do not start the unit until the curing time of the adhesive has elapsed. It is essential to observe the curing time of the adhesive.

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