

# Operating instructions for use 1K PUR hand application system

## MEGAPUR 1K



This instruction consist important hints for managing the system in a secure and economically way. Your attention helps to avoid danger, less hazards and increase the production. Each person which operates the system, must read instruction before using!



**Dear Customer:**

Thank you for buying this high quality product. 1K PUR hand application system MEGAPUR 1K is reliable and price advantageous product. It's superiority is simple usage, maintenance and care. Because of it's setting application comb and original solution of applying of glue is MEGAPUR wide using product.

We wish you a lot pleasure by using MEGAPUR!

<b>Index</b>
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1.	Safety features, operational area, EC declaration of conformity .....	4
2.	Main parts and units of 1K hand application system.....	5
3.	Preparing, upkeep, maintenance.....	6
3.2.	Instructions for connection 50kg or. 200kg drum.....	6
3.2.	Preparing and ignition.....	9
3.3.	Usage and maintenance of system.....	9
3.3.1.	Rest of system.....	10
3.3.2.	Cleaning .....	10
3.3.3.	Rubin-gel.....	10
3.3.4.	Joining pieces.....	11
4.	Malfunction / FAQ .....	12
5.	Warranty .....	13
6.	Spare part.....	13
7.	Special equipment .....	14
8.	Price list .....	15
9.	Conclusion remarks .....	15

## 1. SAFETY FEATURES, OPERATIONAL AREA, EC DECLARATION OF CONFORMITY

- This system is designed for applying 1K PUR glues, viscosity max. 15.000 mPas. Outlet hose can reach max. length of 10m.
- The operating area must be clean. Unclean working place can have for consequence an accident.
- Always wear the proper cloth, safety glasses and safety headphones.
- Electric connection can be achieved just on irreproachable electrical installation through safety FID switch.
- System must not plug in electric system, if cable or switch is damaged.
- Repairing of electric damages or changing of electric fuse (0.315 A) on system can do just competent professional qualified person.
- All other safety regulation has to be obeyed and especially all safety regulation for all different countries.- VDE directive, DIN-norm,...

# EC declaration of conformity

## In accordance with the EC directive machinery 98/37/EC, annex II A

### 1. THE CONSTRUCTION OF MACHINERY

Make: MEGAPUR 1K  
Type: 1K PUR MANUAL GLUEAPPLICATION SYSTEM

Has been developed, designed and manufacture in accordance with the EC directive/s as above,

Company:

The following harmonized and national standards and specifications have been applied:

EN 292-1 : 1991      Sicherheit von Maschinen – Grundbegriffe, allgemeine Gestaltungsleitsätze  
– Grundsätzliche Terminologie, Methodik

EN 292-2 : 1991      Sicherheit von Maschinen – Grundbegriffe, allgemeine Gestaltungsleitsätze  
– Teil 2: Technische Leitsätze und Spezifikationen

Owner:

3. februar 2004

2. MAIN PARTS AND UNITS OF 1K HAND APPLICATION SYSTEM

Name
Pressure regulator
LED diode-Showing condition of the system
Glue outlet
Switch On/Off system
Adapter 24V/1A
Inlet of sensor
Glue inlet
Sirene
Sensor for glue
Membran pump
Electro- pneumatic valve
Logic electric link
Conector to the drum
Housing





### 3. PREPARING, UPKEEP, MAINTENANCE



#### 3.1. Instructions for connection 50kg or. 200kg drum

Auxiliary needed:




- Trenn paste
- Safety gloves
- Rubin gel-pot
- Rubin gel (4 units a' 120 g)
- Double zinc reduction 2" to ¾"
- Ball tap¾"
- KAMLOK father part ¾"
- KAMLOK mother part ¾"
- hose accessory
- hose clip
- Cleaning botch
- Drum key

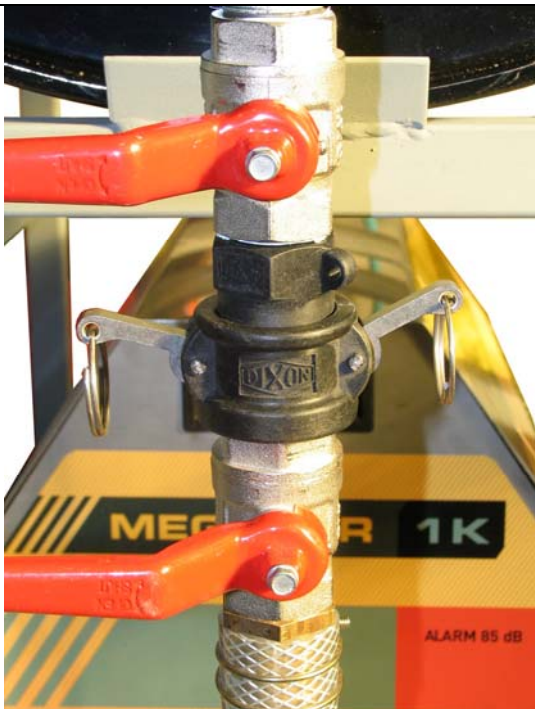

	<p>1.</p>	<p>Please, first check up Lot/Batch numbers on drum and expire date of glue</p>
<p>Prepare all needed tools and accessorys needed for drum connection or changing.</p>	<p>2.</p>	

	<p>3.</p>	<p>Unscrew stopper of drum in standing position with key R 2" and clean glue form 2" coil on drum.</p>
<p>2" coil on drum grease with trenn paste.</p>	<p>4.</p>	
	<p>5.</p>	<p>Coil (R 2") of connection part grease also with trenn paste.</p>
<p>Connection part turn down on drum. Tap must be obligatory close. Than put the drum on carriage.</p>	<p>6.</p>	

	7.	<p>For fitting rubin -gel pot on drum must lay drum on lying position, where drum will stay all the time.</p>
<p>Unscrew stopper of drum in standing position with key R 3/4" and clean glue form 3/4" coil on drum.</p>	8.	
	9.	<p>Coil R 3/4" grease with trenn paste.</p>



<p>Coil on pot grease also with trenn paste.</p>	<p>10.</p>	
	<p>11.</p>	<p>Pot turn down on drum and fill it with rubin-gel.</p>
<p>KAMLOK connections grease with trenn paste.</p>	<p>12.</p>	

	<p>13.</p>	<p>Join KAMLOK connections.</p>
<p>Close KAMLOK connections and bind hands of kamlok with Scotch tape or rope.</p>	<p>14.</p>	

### 3.2. Preparing and ignition

At first start of the system, the main switch on system should be off. We turn on the air and we check the pressure on manometer, which should be max 6 bars. We join the inlet pipe with the drum through the KOMLOK connector. We make sure that the joint is 100% tight. We open the valve on pot for dehumidity of air and open the bottom valve on the drum.

The PUR gun on the end hose must be opened, while the glue is supposed to flow into the system because of the free-fall. Drum must be positioned higher than system. In the meantime the air must go out through the gun. Now you can connect application comb on PUR gun.

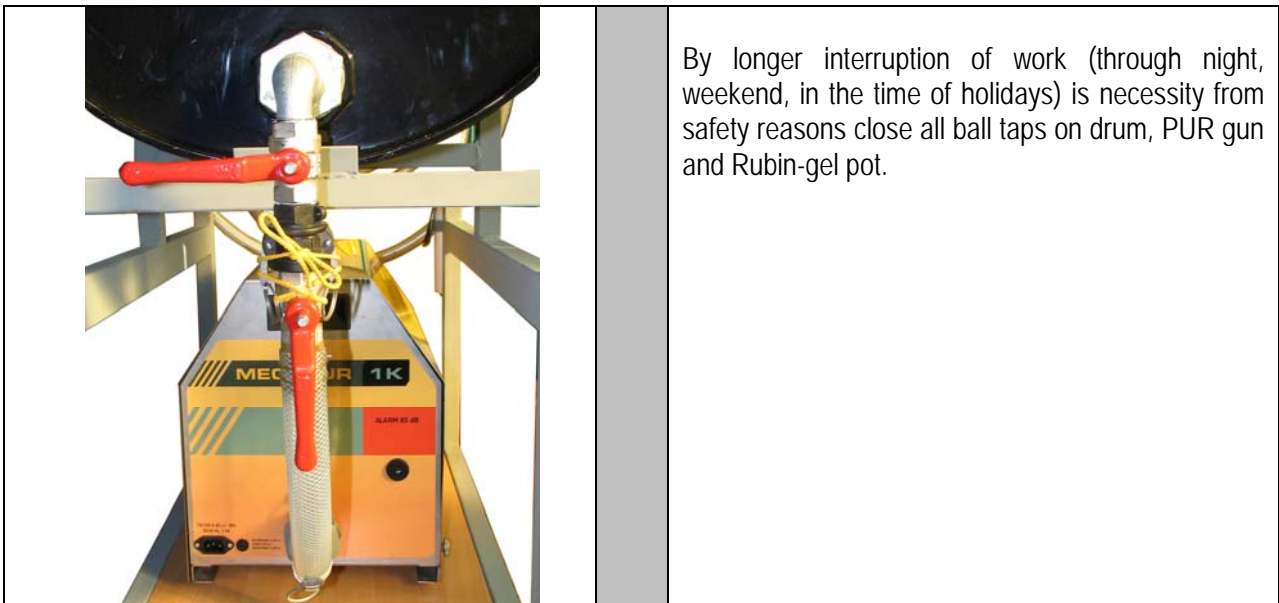
When the glue will fill the system, switch on the main switch and the system will start to work. To start run glue throu gun, you must open gun for so long, that glue fill hose and whole system, to assure, that in system will be no more any air. When we achieve this, the system is ready for work.

### 3.3. Usage and maintenance of system

In the moment, when glue fill the system we talk in »close system«, while the moisture from air can not reach the glue and cause it to harden. When you start with application, all the valves **must be OPEN**. If you forget to open any of the valves, you can cause serious damage on the system.

#### 3.3.1. Rest of system

If you stop working with the system for less than 1 hour, it's enough to close the valve on the PUR gun. If you stop working for more than 1 hour, then close all valves and switch off the system. In this case put PUR gun and application comb in PUR RELEAS AGENT.

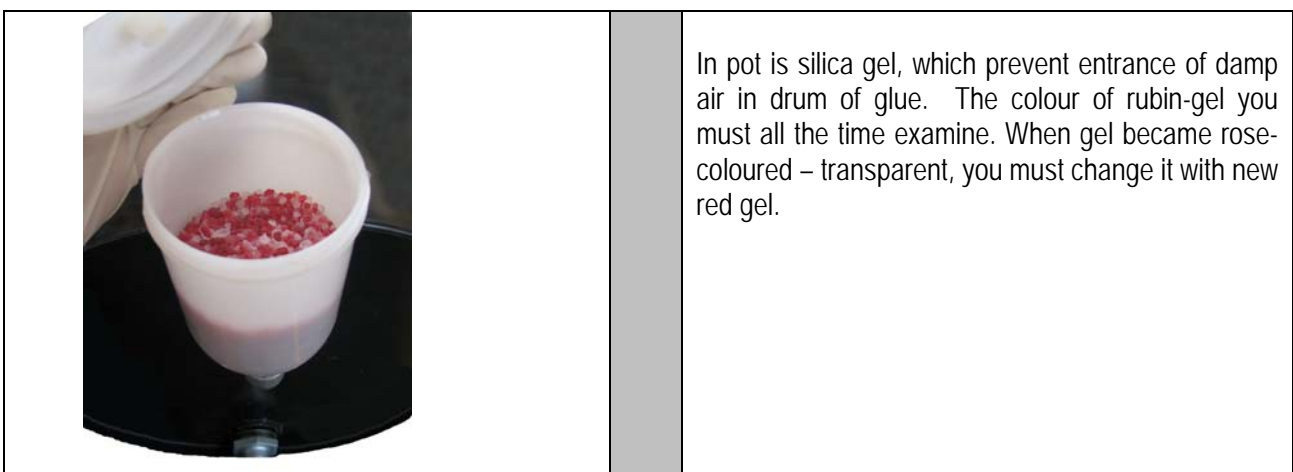


By longer interruption of work you need weekly to let off through system 250 g of glue in proper close can. This procedure assure faultless functionalism of the system.

#### 3.3.2. Cleaning

All metal parts that are exposed to PU glue should be preventively (before usage) coated with PUR TRENN paste. The gun and the application comb should be kept into MÖSAMOL oil during all process to prevent hardening of the glue.

#### 3.3.3. Rubin-gel



### 3.3.4. Joining pieces



All connections on system you must regularly checkup on closeness and functionalism. In case you notice some injury or appear of glue, you must immediately repair this mistakes.



#### 4. MALFUNCTION / FAQ

- **System is not working**
  - ✚ Check up, if the system is plugged in electricity and if fuse is OK.
  - ✚ Check up, if the system is plugged on compressed air of max 6 bar.
- **System stops pumping glue**
  - ✚ Check up, if in the inlet hose of system is enough glue. If there is no glue, change drum with new one.
  - ✚ Check up, if, taps are open.
- **Is damp air, which come in system through drum dangerous for hardening of glue in system?**
  - ✚ It's impossible that air comes in the membrane pump, because of sensor on inlet hose, which switch of pump, if in inlet hose is no glue.
- **System is for long time off. Do we have to empty and clean system?**
  - ✚ No! You need weekly to let off through system 250 g of glue in proper close can. This procedure assure faultless functionalism of the system. You just need to open and close all taps of system.
- **Expire date of glue is outrun and glue is no more completely good.**
  - ✚ Uncouple drum and couple new drum with fresh glue. With fresh glue exhaust old glue from the system.
- **How often we need to change inlet and outlet hoses for glue on system**
  - ✚ At least every 12 months. Because hoses are not absolutely airseal, on the inner side of hose start glue to hard. By bending of hose some parts of hard glue can unstick and obturate installation or application comb.

5. WARRANTY

For membran pump is 24 months warranty, for all others parts is 12 months of date of sell. For mechanical injurys is no warranty. If glue is harden in system is no warranty.

6. SPARE PARTS


Art. Nr.	Spare parts list of MEGAPUR 1K
1	Membran pump VERDERAIR VA 15 PP, PP, TF, 1/2"
2	Application head 6-22 cm
5	Inox casing 1.5mm
6	Pressure regulator e/14/2/p, 1/4"
10	Electro- pneumatic valve
11	Logic electric link
12	Adapter 24V/1A
13	Sirene
24	Pot for dehumidity of air
25	Pur-gun
26	Vessle for pur gun
28	Cradle for drum
29	Hose armed inlet
30	Hose armed outlet
31	Switch round on/off/red
32	Connection to the drum
33	Sensor for glue



7. SPECIAL EQUIPMENT

<p>Application comb, set fom 6cm to 24 cm with lateral guidance.</p> <p>Art. Nr.: 2</p>	 <p>The image shows a long, cylindrical metal application comb with a brass-colored ring at one end. Below it is a close-up view of the comb's teeth, which are numerous, thin, and pointed.</p>
<p>Company can produce any special equipmen on customer equest.</p>	 <p>The image shows a customized application comb with a white plastic handle and a metal body. It has a unique Y-shaped design at the top and a long, perforated metal bar at the bottom.</p>
<p>Rubin-gel (2x250g).</p> <p>Art. Nr.: 27</p>	 <p>The image shows four white bags of product. From left to right: 'Rubin' (250g), 'Rubingel' (250g), 'Rubingel' (250g), and 'Rubingel Uetikon' (250g). Each bag has detailed technical information and contact details for CU Chemie.</p>
<p>Carriage for MEGAPUR 1K and drum.</p> <p>Art. Nr.: 28</p>	 <p>The image shows a blue metal carriage with four wheels. It has a yellow and orange panel on the front with the text 'MEGAPUR 1K' and a drum mounted on top.</p>



<p>Inlet pipe of 60cm for PUR glue</p> <p>Artikel-Nr. 29</p> <p>Picture is symbolic</p>	
<p>Outlet pipe of 10m for PUR glue</p> <p>Artikel-Nr. 30</p> <p>Picture is symbolic</p>	

## 8. PRICELIST

Name of article	Art. Nr.:
<p>MEGAPUR 1K PUR system for hand application</p> <ul style="list-style-type: none"> <li>- Outlet hose for glue 10m</li> <li>- PUR-gun</li> <li>- Rubin- gel-pot</li> <li>- connection to the drum</li> </ul>	110
Application comb, set fom 6cm to 24 cm with lateral guidance	2
Rubin-gel (2x250g)	27
Carriage for MEGAPUR 1K and drum.	28
Inlet pipe of 60cm for PUR glue	29
Outlet pipe of 10m for PUR glue	30

Delivery terms: Ex Works, Slovenia.

## 9. CONCLUSION REMARKS

This instructions is not allowed to copy or mediate to third incompetent person.

1K PUR System for hand application was developed on base of long research work and practical experiences by consideration of technical guidelines. Producer company is not responsible for damadge, which would begin, in case of bad or wrong use and maintenance, or eventual changes on system of incompetent person.

Company is not responsible for damadge or disturbtion on a system, because of use of tools of others producers, if they don't have explicit permission of company.  
In this case company reserved all rights.