ATTENTION!
Please do not pull out the table leg before connecting the tubing to the Pump. Air could be sucked into the hydraulic System.

A. The table plate support is mounted on the aluminium plate of the table leg with 4 sink screws M6x10 on each side.

B. The table foot is mounted on the lower end of the table leg with 2 screws M8x12 on each side. The Rubber feet (alternative furniture rolls) are screwed in at the M10 nuts.

C. The joining beam is mounted between the 2 table legs with 4 screws M6x10 on each side. Please take care, that the gap to mount the screws shows in table foot direction.

D. Mount the table plate on the table plate supports

E. Mount the drive Unit (Pump with Crank or Motor) on the table plate.

F. The tubing has been laid to the pump. Please check also the added Assembly instruction “Connecting the hydraulic tubing”.

Delivery range

- 2x Table leg TA
- 2x Table plate support TA
- 8x Screw M6x10 (90°)
- 2x Table foot TA
- 4x rubber foot or furniture roll
- 4x Screw M8x12
- 1x Joining beam TA
- 8x Screw M6x12
Assembly Instructions
to the table System TA-4

! ATTENTION!
Please do not pull out the table leg before connecting the tubing to the Pump. Air could be sucked into the hydraulic System.

A. The rubber foots are mounted on the lower end of the table leg.

B. The short joining beams TA 550 are mounted between 2 table legs with 4 screws M6x10 on each side. Please take care, that the gap to mount the screws shows in the rubber foot direction.

C. Mount the long joining beam TA at the short beams. It can be placed in three depth positions. It is fixed on each side with 2 Washers and 2 Screws M8x20.

D. Mount the table plate on the table plate supports

E. Mount the drive Unit (Pump with Crank or Motor) on the table plate.

F. The tubing has been laid to the pump. Please check also the added Assembly instruction “Connecting the hydraulic tubing”.

Delivery range

- 4x Table leg TA
- 4x rubber foot
- 1x Joining beam TA 950/1150/1550
- 2x Joining beam TA 550
- 16x Screw M6x10
- 4x Screw M8x20
- 4x Washers 30/8x2

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Assembly Instructions to the System TQ-4

**Delivery Range:**

- 4x Leg TQ
- 4x Rubber foot
- 7x Crossbar TQ (750, 950, 1150, 1550)

**Screw Set TQ:**

- 10x Cable ties + adhesive tubing Clips
- 6x Angle Bracket 35x25 (A)
- 6x Nut M6 (B)
- 6x Screw M6x12 (C)
- 10x Wood Screw 5x20 (D)
- 3x Spacer 15x28.5 (E)
- 3x Wood Screw 6x100 (F)
- 1x Wood Screw 6x90 (G)

1. 2.

3.

4.

5. 6x A, B, C, D / 3x E, F

6. 4x D / 1x G
Assembly Instructions

to the System TT-2

**Delivery range:**

- 2x Leg TT
- 1x Crossbar TT
- 2x Foot TT
- 1x Crossbar TT
- 4x Plug for fasteners
- 4x Rubber foot
- 4x Screw M6x25 (A)
- Screw Set TA/TT-2:
  - 10x Cable ties
  - 10x tubing clips (adhesive)
  - 16x Wood Screw 5x20 (B)
  - 1x Wood Screw 6x80 (C)
  - 3x Wood Screw 6x50 (D)
  - 12x Washer 5.3x15x1.2 (E)

---

1.

2.

3. 4x A

4. 12x B/E

5. 3x D

6. 1x C / 4x B

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Assembly Instructions
to the System TU-4

**Delivery Range:**

- 4x Leg TU
- 4x Rubber foot
- 2x Crossbar TU 550
- 1x Crossbar TA (950, 1150, 1550)
- 24x Screw M6x12 (F)

**Screw Set TA-4:**

- 10x Cable ties
- 10x tubing clips (adhesive)
- 16x Wood screw 6x30 (A)
- 16x Washer 6.4x16x1.6 (B)
- 3x Wood screw 6x80 (C)
- 4x Wood screw 5x20 (D)
- 1x Wood screw 6x90 (E)

1. 2x TU, 8x F

2. 2x TU, 8x F

3. 1x TA, 8x F

4. 16x A, B

5. 3x C

6. 4x D / 1x E
Assembly Instructions
Connecting the hydraulic tubing

ATTENTION
Before turning the crank or the motor unit, you have to be sure that all the pressure elements are connected with a cylinder or the hydraulic system can be damaged

- Each Cylinder is partly filled with oil. This oil is used to press out all the air in the tubing.
- If the tubing is already mounted at the Cylinder (Pre assembled tubing 199.00003; end of tubing is welded or closed with a plug), just do A, E, G.

A. Cut the tubing to the length you prefer. Use a knife with a sharp blade to cut the tubing straight.

B. Loosen the screw and pick out the steel ball with a magnet.

C. Slide screw and clamping ring on the tubing. Insert the tubing completely into the connection head. Press and fix clamping ring and fix the screw in the connecting head hand tight.

D. Turn the screw exactly 2 turns. This will create the necessary torque of 10Nm.

ATTENTION
If the screw is tightened too firmly the thread may be destroyed.

E. Hold the pump with the connection up. Loosen the screw at the pump and pick out the steel ball with a magnet.

F. Hold the cylinder with the tube connection up. Compress the piston rods slowly to the end position and collect excess oil.

ATTENTION
The piston rod has to be compressed completely. At the end of the tubing oil will run out.

G. Slide screw and clamping ring on the tubing. Insert the tubing completely into the connection head. Press and fix clamping ring and fix the screw in the connecting head hand tight.

Turn the screw exactly 2 turns. This will create the necessary torque of 10Nm.

ATTENTION
If the screw is tightened too firmly the thread may be destroyed.

The pump is completely filled up with oil. After the connection of all the Cylinders with the Pump the System is ready to use.

The maximum length of the tubing is 5 meters, its smallest radius 25 mm.

The tubing has to be laid to avoid the following circumstances:
- mechanical forces
- contact with aggressive fluids
- direct sunlight (UV ray) and heat

It is necessary to use tubing holders which cannot damage the tubing. If the tubing is laid across holes or sharp edges it has to be protected from abrasion. Do not stand on the tubing. The installation is not complete until the tubing has been laid with the utmost caution.
Operating instructions
for the foldable hand crank

! CAUTIONS
It is not recommended to use the hydraulic system without reading these operating instructions. Before operation please ensure that the Cylinders are connected to the pump.
The hand crank can be damaged if you do not pull out the hand crank (1) before folding it under the table.
In case of breaking the security pin, it only has to be replaced with an original Ergoswiss pin.

General information
With the foldable hand crank all Ergoswiss hydraulic systems could be operated. The crank is directly mounted on the spindle with a pin or grab screw. By folding the hand crank, it will disappear completely under the table top. In an overload situation, the pin protects the system against overload and will shear off.

Delivery range
The hand crank will be shipped assembled to the pump or apart. If you get the Crank apart, there will be an additional pin (ø2.5 x 16) to mount the crank at the pump.

A1. Assembly with a pin
Push the hand crank over the end of the spindle. Between the pump guide and the Crank shaft should be a space of 0.2 mm wideness.
Drill a hole (ø 2.5mm) in a distance of about 5 mm from pump and beating the pin in the hole.
Before operation please ensure that the Cylinders are connected to the pump.

A2. Assembly with a grab screw
Press the woodruff key into the groove on the spindel.
Push the hand crank over the end of the spindle. Between the pump guide and the Crank shaft should be a space of 0.2 mm wideness.
Clamp the Hand crank by Fixing the grab screw.
Before operation please ensure that the Cylinders are connected to the pump.

B. Operation
To lift the table, turn the hand crank clockwise.
To lower the table, turn the hand crank anticlockwise.

Pull out the hand crank:
Pull the hand crank as shown in direction [2]. The hand crank will move automatically into operating position.

Folding the hand crank:
Pull the hand crank as shown in direction [1].
Fold the hand crank under the table top [2].
CAUTIONS

It is not recommended to use the hydraulic system without reading these operating instructions.

Before operation please ensure that the Cylinders are connected to the pump.

The motor unit is not designed for continuous operation. If the motor unit has been working for 1 minute, it needs to be stopped for a minimum of 20 minutes.

The transformer’s power supply cord cannot be replaced, if it is damaged the entire transformer has to be replaced.

The motor unit should never come in contact with water. There is the danger of a short circuit.

General information

Motor units A and B can operate all Ergoswiss hydraulic systems. The units use a cable remote controller.

Delivery range

The motor unit is shipped assembled to the pump. Included with the motor unit is a transformer and a cable remote control (cable length 2 m).

After assembling all cylinders at the pump, the system is ready to use.

A. Assembly

The complete hydraulic system (motor unit and pump) is mounted to the table via three holes (1) (ø 6.8 mm). The cable remote control can be mounted anywhere. The transformer (2) can be mounted to the back side of the pump or any other place. The main plug has to be easily accessible after mounting the system.

B. Putting into operation

The transformer’s cable has to be plugged in the motor unit (3) and in the net (4). Please ensure that the voltage on the transformer is the same as the voltage in the net. Please check data print on transformer (5). Also the cable remote control has to be plugged into the motor unit (6).

With the main plug (4) the hydraulic system will be disconnected from mains.

C. Operation

To lift the table, the switch on the cable remote control has to be pushed in the upward direction: ↑

To lower the table, the switch on the cable remote control has to be pushed in the downward direction: ↓

Technical data

<table>
<thead>
<tr>
<th></th>
<th>Type A</th>
<th>Type B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurements</td>
<td>180 x 120 x 127.5</td>
<td>206 x 130 x 157.5</td>
</tr>
<tr>
<td>Net Voltage</td>
<td>110 / 230 VAC</td>
<td>110 / 230 VAC</td>
</tr>
<tr>
<td>Transformer Voltage</td>
<td>22 VAC</td>
<td>33 VAC</td>
</tr>
<tr>
<td>No load revolution</td>
<td>140 min⁻¹</td>
<td>210 min⁻¹</td>
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<tr>
<td>Capacity</td>
<td>ca. 160 W</td>
<td>ca. 230 W</td>
</tr>
<tr>
<td>System load</td>
<td>Maximal System load</td>
<td></td>
</tr>
</tbody>
</table>

This device is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and / or knowledge unless they are supervised by a person responsible for their safety or they receive instructions regarding the use of the device.

Children should be supervised to ensure that they do not play with the device.