Overhead stirrer
PE-8310
(kit)

Data Sheet

Version 1.1EN dated 19.10.2015

Part number: 1.75.45.0090

Saint Petersburg
2015

General

Due to continuous improvement of our products, small modifications not described in this Data Sheet can be made in its scope of delivery and design of components.

1. Purpose

PE-8310 stirrer shall be used to stir liquids having various viscosities, with the specified speed, in flasks, glasses and bottles within the scope of works in chemical compound synthesis.

Figure 1 – PE-8310 stirrer

2. Description

PE-8310 stirrer (Figure 1) is a kit consisting of PE-8300 overhead stirrer, PE-2730 rack and supplementary accessories. See Section 5 in this document for the scope of delivery.

3. Technical Specifications

3.1. See relevant data sheets for technical specifications of PE-8300 stirrer and PE-2730 rack.

3.2. Holding ring:

- 3.2.1. outer diameter, mm 110
- 3.2.2. inner diameter, mm 94
- 3.2.3. gap, mm 38
- 3.2.4. rod length, mm 116
- 3.2.5. section diameter, mm 8
- 3.2.6. weight, g 160
- 3.2.7. material ..... steel covered with powder paint.

3.3. Stirrer fastening clamp:

- 3.3.1. diameter of a hole for the rack stand, mm 22
- 3.3.2. diameter of a hole for the stirrer rod, mm 16
- 3.3.3. weight, g 176
- 3.3.4. material ..... steel covered with powder paint.

3.4. Holding ring fastening clamp:

- 3.4.1. diameter of a hole for the rack stand, mm 22
- 3.4.2. diameter of a hole for the holding ring rod, mm 8.5
- 3.4.3. weight, g 170
- 3.4.4. material ..... steel covered with powder paint.

4. Scope of Delivery

4.1. PE-8300 overhead stirrer ..... 1 pc.
4.2. PE-2730 rack for stirrers ..... 1 pc.
4.3. Holding ring ..... 1 pc.
4.4. Clamp for fastening the stirrer on the rack ..... 1 pc.
4.5. Clamp for fastening the holding ring on the rack ..... 1 pc.
4.6. Two-finger grip (for flasks) ..... 2 pcs.
4.7. Three-finger grip (for coolers) ..... 2 pcs.
4.8. Clamp for grips ..... 4 pcs.
4.9. Data sheet ..... 1 pc.

5. Assembling Procedure

5.1. For PE-8300 stirrer and PE-2730 rack assembling procedures, see relevant data sheets.

5.2. Assemble the rack and place it on the worktable.

5.3. Put the holding ring fastening clamp on the rack stand and use the butterfly screw to fasten the clamp in a proper position.

5.4. Insert the holding ring rod into the appropriate hole in the clamp, adjust the position and protrusion of the ring and fasten it also.

5.5. Put the stirrer fastening clamp on the rack stand and fasten the clamp.

5.6. Screw the rod on the stirrer and fasten the stirrer in the clamp.

5.7. Attach the mains power cable to the stirrer and connect the cable to the AC mains.

5.8. Clamp the stirrer, configured as appropriate, in the stirrer chuck.

5.9. Place the vessel, with liquid for stirring, on the holding ring, and adjust relative positions of the stirrer and the vessel.

5.10. If necessary, assemble other parts of the installation; use delivered clamps and grips to fasten these parts on supplementary rack stands.

Notes

1. During assembling procedure, clamps should be positioned in a way to fasten stirrer rods and holding ring rods right from the rack stand. Otherwise, it would be difficult to attach the mains power cable to the stirrer.

2. To ensure stable positioning of a flat-bottomed vessel with liquid for stirring on the holding ring, a rigid adapter plate may be necessary (not in the scope of delivery).

6. Warranty

6.1. The guaranteed service life is 1 year from the date of shipment from the manufacturer's premises.

6.2. Within the guaranteed service life period, upon the claim submission, the parts of the kit shall be replaced, subject to the customer's adherence to the rules of transportation, storage and operation.

7. Claims

In case of revealing any defects, delivery scope incompleteness or faults appearing during the guaranteed service life, claims shall be sent to the manufacturer's address:

Ecohim Co. Ltd.

22 17th Line, Building I, Suite 406, Vasilyevsky Island, Saint Petersburg 199178.

Phone/Fax: (812) 322-96-00, 449-31-22, 449-31-23;

E-mail: info@ecohim.ru, URL: www.ecohim.ru

8. Certificate of Acceptance

The components of PE-8310 stirrer have been assembled and accepted in accordance with the mandatory requirements of the state standards and current technical documentation and recognized to be suitable for service.

Date of manufacture _____

Stamp of the Technical Control Department

Inspector _____