

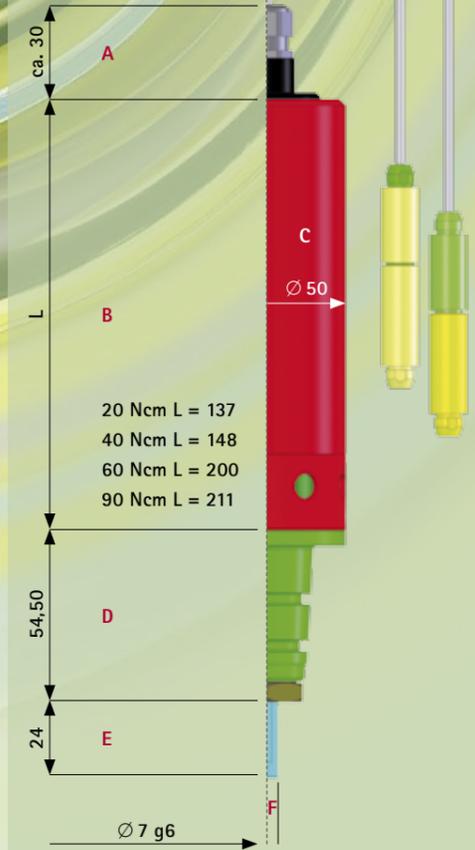
reaktor markt



The lasting impression that certain magnetic stirrer drives leave in your mind indicates that they are part of a particularly sophisticated system. It's the newly designed line in RED.

Make a mark in RED

- 1 The micro-motor with a nominal power of 60 Watt (24 V/DC) attracts attention. It is also attractive due to its power transmission, which leads to a driven shaft speed of 200–1300 rpm.
- 2 Our "redjaro" magnetic stirrer drive ensures an unmistakable appearance with its distinctive red jacket.
- 3 The micro-motor is driven by the DZA-6/24 controller. You can adjust the rpm on the front panel with a single movement. The current speed can be seen optimally on the LED display.
- 4 The drive bell takes on the function of a carrier for the outer magnet and is simultaneously firmly anchored to the d.c. motor.
- 5 The power transmission takes place from the outer magnetic ring to the inner. You select the torque according to your viscosity or your reactor volume. The available selection extends from 20 Ncm (2 l), 40 Ncm (4 l), 60 Ncm (6 l) to 90 Ncm (10 l).
- 6 Bearing change made easy: The driven shaft can be removed for the fast replacement of ball or friction bearings by opening the hexagon cap nut.
- 7 The special feature of the "redjaro" is its NS 29/32 tapered connection. According to the area in which it will be used, we manufacture it as standard in stainless quality (WNo. 1.4435/ AISI 316L) or from Hastelloy C22. Models in Hastelloy C276, B3 or titanium Gr. 2 on request. The taper is sealed against the glass reactor using two O-rings in inch dimensions lying one behind the other. Their quality is either Viton, EPDM or Kalrez, depending on the medium or the temperature.



- A Cable connection to the control unit
- B Motor retainer with d.c. drive
- C Diameter of motor retainer
- D NS 29/32 taper with hexagon cap nut
- E Driven shaft protrusion
- F Diameter of driven shaft

All dimensional data in mm

redjaro magnetic stirrer drive

mrk

Operating pressure and temperature

- The "redjaro" is basically intended for use with glass reactors and is thereby suitable for pressure-free operation or for vacuum
- It has a maximum operating temperature of up to 240°C.

Connection and seal

- Tapered connection NS 29/32
- The seal to the glass reactor is doubly assured by means of two O-rings lying one behind the other. Please order the sealing rings separately. For the stainless variants, we would recommend the Viton quality. For the models in Hastelloy or titanium, on the other hand, EPDM or Kalrez seals will be used. The grooves in the taper are provided for O-rings in inch dimensions, and can thereby be replaced at any time.

Material

All components that come into contact with the medium are manufactured from stainless material WNo. 1.4435 (AISI 316L). We offer the same line in Hastelloy C22 for aggressive media. Titanium, tantalum and Inconel types are also possible

Drive, torque and bearings

- D.C. motor 60 Watt, 24 V/DC. The drive is linked to the required DZA-6/24 control unit by means of a two-part cable arrangement. Connection to the control unit 1 and 220 V, 50 Hz.
- The torques provided by the magnetic coupling can be increased from 20–90 Ncm
- Corrosion-resistant ball bearings on the driven shaft for a maximum speed of 1300 rpm. Hastelloy or titanium models are fitted with slider bearings for the same speed range.

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