

Figure 1-1. The Microfuge 18 Centrifuge

SPECIFICATIONS

Only values with tolerances or limits are guaranteed data. Values without tolerances are informative data, without guarantee.

^{*} The Microfuge 18 centrifuge can be used in a humidity controlled cold room.

[†] Normally only nonconductive pollution occurs; occasionally, however, a temporary conductivity caused by condensation must be expected.

AVAILABLE ROTORS

The F241.5P, rated for 14 000 rpm, is a fixed-angle rotor with a tube angle of 45 degrees from the axis of rotation. The rotor can centrifuge up to twenty-four 1.5 to 2.0-mL reaction-vials, or 250 to 750- μ L vials in adapters. Refer to the rotor manual (MM-TB-001) for detailed information about the rotor.



Use only the F241.5P rotor in the Microfuge 18.

F241.5P Rotor Specifications



Maximum speed
Density rating at maximum speed 1.2 g/mL
Relative Centrifugal Field* at maximum speed
at r_{max} (80 mm)
Conditions requiring speed reductions see RUN SPEEDS
(in rotor manual)
Number of tube cavities
Nominal tube dimensions (1.5 to 2.0-mL vials) $10 \times 31 \text{ mm}$
Nominal tube capacity
Nominal rotor capacity
Approximate acceleration time to maximum speed
(fully loaded)
Approximate deceleration time from maximum speed
(fully loaded)
Weight of fully loaded rotor 0.57 kg (1.16 lb)
Rotor material polypropylene
Lid material polycarbonate

SAFETY FEATURES

The Microfuge 18 centrifuge has been designed and tested to operate safely indoors at altitudes up to 2 000 m (6 562 ft). Safety features include the following.

Safety features include an electromechanical door-locking mechanism that prevents operator contact with spinning rotors. When the door is closed it locks automatically. It can be unlocked only by pressing the DOOR key, and opened only when the power is on and the rotor is at rest.