

HORIZON

642VFD FIXED-ANGLE

CAT.# 00-025-009-003



ONE BUTTON OPERATION FIXED-ANGLE CENTRIFUGE

- FIXED ANGLE CENTRIFUGATION
- 6 TUBE CAPACITY
- SINGLE BUTTON OPERATION
- SINGLE SPEED AND TIME SETTING
- 3,900 MAX RPM
- 1,600 XG MAX RCF

OVERVIEW

The model 642VFD-Fixed-Angle is a global fixed-angle centrifuge with built-in universal power supply and UL/CE safety approvals. Single button operation allows for easy repeatability. The pre-set time and speed (10 minutes at 3,900 RPM/1,600 xg) provides the recommended spin for many of the most common tube types. The pre-set can be adjusted, but the unit is not designed for frequent time and speed adjustment.

APPLICATIONS

This fixed-angle rotor centrifuge provides reliable, single button centrifugation for most standard blood tubes processed for chemistry or coag.

FIXED-ANGLE VS HORIZONTAL CENTRIFUGATION

Fixed-angle centrifuges, although less expensive, produce gel layers that may be susceptible to rupture during transport. These damaged samples cannot be used without an additional centrifugation step; yet the CLSI recommends against re-centrifugation for its known negative effects on analytical results. For better gel layer formation, please consider horizontal centrifugation with the horizontal model 642VFD.

FEATURES

- Electronic Timer:** Preset to 10 minutes, preset can be adjusted from 1 - 30 minutes
- Capacity:** Six (6) tubes from microtubes (.5 mL) up to 17 mm x 125mm (15 mL)
- Brushless AC Motor:** Smooth operation with no routine maintenance
- Quiet Operation with Low Vibration:** Double-encased motor assures quiet performance and low out-of-balance vibration
- Cool Operation:** Unique air-flow design cools the rotor chamber and motor with ambient air; protecting your samples and maximizing sample integrity
- Footprint:** Compact design uses less than 1 sq. ft. of counter space

SAFETY

- Automatic Lid Lock:** Centrifuge will not run with the lid open and the lid cannot be opened while samples are spinning
- Positive Lid Latching:** Firm mechanical latching of the lid prevents the escape of debris in case of tube breakage
- Clear Shatter Proof Lid:** Allows for safe sample observation, optical calibrations, and access for photo tachometer
- Global Regulatory Approvals:** Certified to US, Canadian, and European Safety standards
- Reinforced Guard Bowl:** Provides maximum safety and durability

642VFD CENTRIFUGE SPECIFICATIONS
CATALOG NUMBER: 00-025-009-003

Electrical

Voltage..... 115-230 Volts
 Frequency..... 50/60 Hz
 Max. Power Requirements 165 Watts
 Protection Breaker 4 Amp. Re-settable
 Centrifuge Motor 1/30 H.P. Brushless AC

Maximum Speed

6-Tube Fixed-Angle Rotor..... 3,900 RPM



General


Overall Dimensions Height 8.75 in. (22 cm)
 Width 11.75 in. (30 cm)
 Depth..... 14 in. (35.5 cm)
 Weight 12 lbs. (5.4 kg)
 Timer Electronic, 1 to 30 minutes, preset to 10 minutes
 Max. Acceleration Time 18 seconds
 Max. Deceleration Time..... 20 seconds

Maximum Force

6-Tube Fixed-Angle Rotor..... 1,600 xg

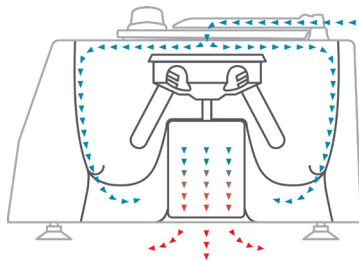
Preset to 10 minutes at 3,900 RPM/1,600 xg
 Also available with horizontal rotor.

Parts Included	QTY Included	Part Number	COMMENTS
 6 Place Horizontal Rotor	1	7786067	High strength glass fiber
 75 - 100 mm Tube Holder	6	7713079	For use with 75 - 100 mm tubes (3 mL - 10 mL)

Optional Accessories	QTY Included	Part Number	COMMENTS
 SmartView™ Platform	Available as an accessory	00-079-009-001	Tilts the centrifuge forward for better view and easier reach inside without loss of g-force.

Cool Operations

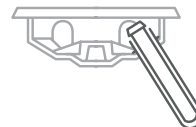
Unique design of the motor housing and rotation chamber allows for cool operation even under the heaviest workloads



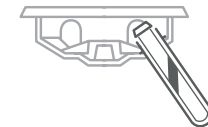
2-Stage Horizontal Rotor Included

Our patented swing-out horizontal rotor design incorporates a unique test tube holder that produces the ideal horizontally separated samples

Loading Angle



Rotation Angle



Warranty

Drucker Diagnostics warranties that this centrifuge is free from defects in workmanship and parts for 2 years.



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