

Centrifuge for Petrol and Mineral Oils

ASTM D91 - ASTM D96 - ASTM D893 - ASTM D1796 - ASTM D2273 - ASTM D2709 - ASTM D2711 - ASTM D4007 -
ASTM D5546 - API 2542 - API 2548 - BS 4385 - ISO 3734 - ISO 9030 - IP 75 - IP 359 - NFMO 7020



Maintenance free motor
Low noise
40 memories + pre-heating programs
Suitable for multiple shaped tubes
Optional gas release system

General

The centrifuge is specially designed for water and sediment determination, as well as characterization of used oils and petrol features like demulsibility and precipitation. Available are accessories for 6" and 8" cone-shaped centrifuge tubes, pear-shaped centrifuge tubes, finger-shaped tubes of 12.5 mL as well as babcock tubes.

Heating

- Preheating program with rotor spinning and temperature is selectable by operator.
- Temperature regulation from ambient +5°C up to +80°C (176°F).
- Scale Celsius or Fahrenheit.
- Temperature sensor in the chamber.

User friendliness

- TFT touch screen, easy to read and values selection.
- Informative display about the progress of stages of centrifugation.
- Rotor and adapters list in memory.
- Real values on screen of RCF based on accessories configuration.
- Start delay
- Unbalancing locations system (ULS)

Item	Unit	Centrifuge
P/N		31T0200
220~240V/50-60Hz		
P/N		31T0220
110~120V/50-60Hz		
Power	[W]	1400
Weight	[Kg]	76
Heating		Yes
Dimensions (L x W x H)	[mm]	530 x 640 x 400
Item	Unit	Rotor
Swing out rotor for 4 x 100 ml 8"/6" cone- shaped centrifuge tubes		31T0204
Swing out rotor for 4 x 100 ml 8" cone-shaped centrifuge tubes		31T0201
Noise level		level < 60 dB
R.P.M max	[rpm]	3000
Radius	[mm]	241
RCF max.	[xg]	2425

- Timer count up/down, for 0 or at "set RPM/RCF" for test reproducibility. From 1 minute to 99 hours, in 1 second steps, and hold position.
- Up to 175 acceleration ramps and up to 175 breaking ramps.
- Automatic rotor recognition.
- Lid latch lock.
- Microprocessor controlled.
- Induction motor, maintenance free
- Up to 3.000 RPM/ 2.425 RCF (10 RPM/10 xg steps)

Safety

- Optional: gas release system (P/N **31T0216**).
- Isolation for reducing the heat loss.
- Lid locking and holding.
- Imbalance switch-off.
- Manual overriding and lid dropping protection.
- Chamber of centrifugation made from stainless steel.
- Viewing and calibration port in the lid.
- Several messages to keep the operator informed about the device situation.
- Guard ring between the chamber of centrifugation and the housing.

Necessary accessories (see next page)




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Accessories

Necessary accessories for the centrifuge		
P/N	Picture	Description
31T0208		Adapter set for four 6" cone-shaped centrifuge tubes
31T0203		Adapter set for four 8" cone-shaped centrifuge tubes
31T0205		Adapter set for four pear-shaped centrifuge tubes
31T0212		Adapter set for 28 finger-shaped tubes
31T0210		Adapter set for four finger-shaped tubes
31T0211		Adapter set for 16 finger-shaped tubes
09T0015		8" 100 ml cone-shaped centrifuge tube, graduated (minimal order quantity is four pieces)
31T0206		100 ml pear-shaped centrifuge tube for ASTM D4007, graduated (minimal order quantity is four pieces)
31T0209		6" 100 ml cone-shaped centrifuge tube, graduated (OA) (minimal order quantity is four pieces)
31T0227		100 ml pear-shaped centrifuge tube for ASTM D2709, graduated (minimal order quantity is four pieces). Non certified, verified.

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P/N	Picture	Description
31T0207		12.5 ml, finger-shaped centrifuge tubes, graduated (minimum order quantity is 50 pieces)
31T0202		Stopper for 6" and 8" cone-shaped centrifuge tubes, 100 pieces.
31T0226		8" 100 ml cone-shaped trace sediment centrifuge tubes, graduated for ASTM D2273 and ASTM 2709 (minimal order quantity is four pieces)
* Please see specification sheet D1796 for a nine position water bath to pre-heat 8" cone-shaped centrifuge tubes		

Optional accessories		
P/N	Gas release system	
31T0216		Preventing toxic fumes and explosion hazard due to gas building up during tempering and centrifuge process: 220~240V/50-60Hz
31T0217		As P/N 31T0216 but voltage range: 110~120V/50-60Hz

P/N	ASTM										Finger		
	D91	D96	D893	D1290	D1796	D2273	D2709	D2711	D4007	D5546	4	16	20
31T0200 or 31T0220
31T0204		
31T0201
31T0208		.								.			
31T0203				
31T0205							.		.				
31T0212													.
31T0210											.		
31T0211												.	
09T0015 (min 4)			
31T0206 (min 4)									.				
31T0227 (min 4)							.						
31T0209 (min 4)		.								.			
31T0207 (min 4)											.	.	.
31T0226 (min 4)						.	.						
31T0202			
Optional 31T0216 /31T0217