

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 - NFMO7-020.



Item	Unit	Centrifuge
Ordering code		
Centrifuge 220-240V, 50-60Hz 4 places for tubes		31T0200
Centrifuge 110-120V, 50-60Hz 4 places for tubes		31T0220
Power	[W]	1400
Weight	[Kg]	77
Heating		Yes
Dimensions (LxWxH)	[mm]	540 x 650 x 400
Item	Unit	Rotor
Swing out rotor 4x 100 ml 8" 6"		31T0204
Swing out rotor 4x 100 ml 8"		31T0201
Noise level		level < 60 dB
R.P.M max	[rpm]	3000
Radius	[mm]	241
RCF max.	[xg]	2425

- ⊕ Maintenance free motor
- ⊕ Low noise
- ⊕ 15 memories + pre-heating programs
- ⊕ Suitable for multiple shaped cones.
- ⊕ 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 as demulsibility and precipitation. A choice of accessories for spin cylinder/conical tubes of 6 and 8 inch, pear/shaped of 6 inches as well as finger tubes of 12.5 ml.

Heating

- Preheating program with rotor spinning and temperature selectable by operator.
- Temperature regulation from room +5°C up to +80°C (158°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 on memory.
- Real values on screen of RCF based on accessories configuration.
- Timer count up/down, for 0 or at "set RPM/RCF" for test reproducibility. From 0 to 60 minute, in 1 minute 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 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 in 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 and options


Necessary Accessories for the Centrifuge		
Ref	Picture	Description
31T0208		4 adapters for 4 conical tubes 6"
31T0203		4 adapters for 4 conical tubes 8"
31T0205		4 adapters for pear shaped tubes
31T0212		Adapter for 28 finger tubes
31T0210		Adapter for 4 finger tubes
31T0211		Adapter for 16 finger tubes
09T0015		Tube glassware 100 ml, conical 8", graduated (min 4 units)
31T0206		Tube glassware 100 ml, pear shaped, graduated (min 4 units)
31T0209		Tube glassware 100 ml, conical 6", graduated (OA) (min 4 units)

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Accessories and options

Ref	Picture	Description
31T0207		Tube glassware 10 ml, conical, graduated (min 50 units)
31T0202		Tubes stopper 6"8" for ASTM D1796, 100 pcs
31T0226		Tube trace glassware, 100 ml, conical 8" (min 4 unit)

* Please see specification sheet D1796 for a nine position water bath to pre-heat the centrifuge cone

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

	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)							.						
31T0209 (Min 4)		.								.			
31T0207 (Min 4)											.	.	.
31T0226 (min 4)						.	.						
31T0202			
Optional 31T0216 /31T0217