

ortoalresa Ns 220759/05

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Special applications | Series DIGTOR 22 C



DIGTOR 22 C

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CE 🗞 📴

With capacity for 4 tubes of 8", 6", trace and 28 "finger" tubes. Versatile and effective, the best option out of all the centrifuges for oil applications.

Features

- Tubes upright on rest.
- GRS: Gas release system (optional); pre-installation included.

TFT color touch screen, visible from more than 3 m.: and unbalance location system (ULS).

- Speed programming in 10 RPM/10 xg steps.
- Real RCF values on screen based on accessories configuration.
- Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
- Timer from 1 sec to 99 hours programmable in 1 sec. steps and hold position.
- PCBS: Progressive controlled acceleration and braking system up to 175
- bucket which produces the unbalance switch off.
- Start delay: To program the time at which the cycle is to begin.
- user intervention.

Easy to use

- Microprocessor controlled. Connectivity.
- Induction motor maintenance free (brushless).
- Rotors and adapters list in memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Possibility to block or modify the speed during the cycle.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

Safety

- Lid provided with security systems:
- Automatic lid lock system, motorized with double lock.
- Emergency lid-lock release.
- Locking and protection against opening along the run.
- Lid dropping protection.
- Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.

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• Designed for oil/petrol applications according the standards: ASTM D 91, D96, D 893, D 1796, D2273, D2709, D 2711, D 4007, D 5546, API 2542, API 2548, BS 4385, ISO 3734, ISO 9030, IP75, IP 359, NF M07-020, DIN 51793, Fits Babcock bottles,

• Shows RPM and RCF, time, temperature, acceleration/deceleration values (PCBS)

- selectable ramps that prevents sample homogenization after separation.
- ULS: Unbalance location system indicating on the screen the number of the
- Linked program: Permits the linking of up to 8 consecutive programmes without the need of

• 100 programmable memories, with protection under password.

• Several acoustic and visual messages showing the situation of the device to the user.

- Protection safety ring between the centrifugation chamber and the housing.
- Chamber of centrifugation in stainless steel (easy cleaning).
- Rotors and adapters autoclavable, easy to install by the user.
- Automatic disconnection for energy saving up to 8 h.



EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU. Standards: EN 61010-1, EN 61010-2-020, EN 61010-2-101, EN 61326-2-6, EN 61326-1, EN 61010-2-010.

Heating

- Preheating program with rotor spinning and selectable temperature. It allows keeping the chamber at working temperature before starting the process.
- Regulation of the room temperature +5°C (41°F) to 80°C (176°F) in 1°C/1°F steps. Programmable in °C o °F.
- Temperature sensor inside the chamber. Overheating protection.
- Internally isolated avoiding heat loss.

Versions

	Dimensions (mm) (w x d x h)		Net Weight (Kg)	Voltag (V)		Frequency (Hz)		sumption (W)	
CE 238	CE 238 530 640 420		77	220-230 50-0		·60	60 1.260		
CE 239 530 640 420		77	110-120 50-6		-60	1.220			
Access	ories				RT	293		RT 2	89
					1			P	
ROTOR					SWI	NG OUT		SWING	OUT
Max. capa	acity				4x100	ml. (8/6")		4x100 n	nl. (8")
RPM Max					3.	.000		3.00	00
Radius (m	ım)				2	241		24	1
RCF Max. (xg)				2.425			2.425		
SAMPLE VOLUME Dim (m		Dim (mn	n) approx.	ADA	PTERS	IS		TERS	
SAIVIFLE	VOLUME	·		i) approx.	Tubes	Ref.	Tu	bes	Ref.
ASTM cor	ne shape	6"	Ø 44-46	x162-167	4	RE 475			-
ASTM pea	ASTM pear shape Ø 58-59:		x157-160	4	RE 477		-	-	
ASTM trac	ASTM trace/cone 8" Ø 36-38		x195-203	4	RE 476	476 4		-	
API finger 12,5 ml Ø 16		Gx105	28	RE 456		4	RE 455		
API finger 12,5 ml		Ø 16	6x105	-	-		16	RE 454	

Available tubes, check tube features at pag. 22 of the general catalogue.

Check the max. RCF allowed for your ASTM tubes. Max. RCF supported by our ASTM tubes 850 xg.

4

DIGTOR 22 C-U

0 0

CHANGE

RPM: 3 000

RCF: 2.425 CHANGE

Time to end: 00:05:45



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applicable with oil.

Effective, guick, versatile, allowing you to work with 6" and 8" conical profile tubes, pear type tubes and "finger" type tubes for small volumes. It has a pre-installation for incorporating a gas release system at any time during the life of the equipment.

Features

- D 2273, D 2709, D 5546, API 2542, API 2548, BS 4385, DIN 51793.
- Tubes upright on rest.
- GRS: Gas release system (optional); pre-installation included.

TFT color touch screen, visible from more than 3 m.: Shows RPM and RCF, time, acceleration/deceleration values (PCBS) and

- unbalance location system (ULS).
- Speed programming in 10 RPM/10 xg steps.
- Real RCF values on screen based on accessories configuration.
- Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
- PCBS: Progressive controlled acceleration and braking system up to 175 selectable ramps that prevents sample homogenization after separation.
- ULS: Unbalance location system indicating on the screen the number of the bucket which produces the unbalance switch off.
- Start delay: To program the time at which the cycle is to begin.
- user intervention.
- 100 programmable memories, with protection under password.

Easy to use

- Microprocessor controlled. Connectivity.
- Induction motor maintenance free (brushless).
- Rotors and adapters list in memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Possibility to block or modify the speed during the cycle.
- Automatic lid opening, programmable
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

The most affordable option in the range of centrifuges for oil laboratories that, due to regulations. do not require heating. It has the same accessories as the heated models, all of them are especially designed for working with oily substances as well as the reagents used in regulations

• Designed for oil/petrol applications according the standards: ASTM D 91, D 893,

- Timer from 1 sec to 99 hours programmable in 1 sec. steps and hold position.
- Linked program: Permits the linking of up to 8 consecutive programmes without the need of

• Several acoustic and visual messages showing the equipment status to the user.



Max. Capacity 4 x 100 ml (8/6") Screen Type





RT 289

200

EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU. Standards: EN 61010-1, EN 61010-2-020, EN 61010-2-101, EN 61326-2-6, EN 61326-1.

Safety

- Lid provided with security systems:
- Automatic lid lock system, motorized with double lock.
- Emergency lid-lock release.
- Locking and protection against opening along the run.
- Lid dropping protection.
- Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.
- Protection safety ring between the centrifugation chamber and the housing.
- Chamber of centrifugation in stainless steel (easy cleaning).
- Rotors and adapters autoclavable, easy to install by the user.
- Forced ventilation to reduce temperature increasing.
- Automatic disconnection for energy saving up to 8 h., with deactivation option.

Versions

)imensioi n) (w x d		Net Weight (Kg)	Voltage (V)	Frequency (Hz)	Consumption (W)	
CE 242	530	640	420	74	220-230	50-60	440	
CE 243	530	640	420	74	110-120	50-60	460	

RT 293

STAR.

Accessories

		1			T
ROTOR		SWING OUT		SWING OUT	
Max. capacity		4x100 ml. (8/6")		4x100 ml. (8")	
RPM Max.		3.000		3.000	
Radius (mm)		241		241	
RCF Max. (xg)		2.425		2.425	
SAMPLE VOLUME	Dim (mm) approx	ADA	PTERS	ADAP	TERS
SAMPLE VOLUME	Dim (mm) approx.	ADA Tubes	PTERS Ref.	ADAP Tubes	TERS Ref.
SAMPLE VOLUME ASTM cone shape 6"	Dim (mm) approx. Ø 44-46x162-167				
		Tubes	Ref.		Ref.
ASTM cone shape 6"	Ø 44-46x162-167	Tubes 4	Ref. RE 475	Tubes	Ref.
ASTM cone shape 6" ASTM pear shape	Ø 44-46x162-167 Ø 58-59x157-160	Tubes 4 4	Ref. RE 475 RE 477	Tubes - -	Ref.

Available tubes, check tube features at pag. 22 of the general catalogue.

Check the max. RCF allowed for your ASTM tubes. Max. RCF supported by our ASTM tubes 850 xg.

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DIGTOR 22 C-8

CE 🗞 📴

ASTM 4007

RT 239

Prog ..

Rotor:

RPM: 3.000

Accel: 30 s

Adapt :: RE 476

Decel: 30 s

Temp.: 60°C

RCF:

2 425

T IME

The largest of our centrifuges for oil, with capacity for 8 tubes of 8", the best option for centres that carry out a large number of tests every day.

Features

- bottles.
- Tubes upright on rest.
- GRS: Gas release system (optional); pre-installation included.

TFT color touch screen, visible from more than 3 m.:

- and unbalance location system (ULS).
- Speed programming in 10 RPM/10 xg steps.
- Real RCF values on screen based on accessories configuration.
- Count up/down from "0" or at "set RPM/RCF" for reproducible tests.
- PCBS: Progressive controlled acceleration and braking system up to 175 selectable ramps that prevents sample homogenization after separation.
- bucket which produces the unbalance switch off.
- Start delay: To program the time at which the cycle is to begin.
- need of user intervention.
- 100 programmable memories, with protection under password.
- Several acoustic and visual messages showing the situation of the device to the user.

Easy to use

- Microprocessor controlled. Connectivity.
- Induction motor maintenance free (brushless).
- Rotors and adapters list in memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Possibility to block or modify the speed during the cycle.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

Safety

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- Timer from 1 sec to 99 hours programmable in 1 sec. steps and hold position.
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CE 241	530	640	420	77	11()-120	20 50-60		1.400	
Accessories			RT 293			RT 289		RT 294		
			Ý			f	P	W		
ROTOR				SWI	SWING OUT		SWING OUT		SWING OUT	
Max. capacity	_			4x100	4x100 ml. (8/6")		x100) ml. (8")	8x100	ml. (8/6")
RPM Max.				3	.000		3.	.000	2.	000
Radius (mm)				1	241		241		2	39
RCF Max. (xg)				2.425			2.425		1.069	
SAMPLE VOLUME		Dim (mm) approx.		ADA	PTERS		ADA	PTERS	ADA	PTERS
				Tubes	Ref.	Tub	es	Ref.	Tubes	Ref.
ASTM cone shape 6	33	Ø 44-46	x162-167	4	RE 475	5 -		-	8	-
ASTM pear shape			x157-160	4	RE 477			-	-	-
ASTM trace/cone 8"			x195-203	4	RE 476			-	8	RE 478
API finger 12,5 ml		Ø 16	6x105	28	RE 456	<u> </u>	-	RE 455	-	-
API finger 12,5 ml		Ø 16	6x105	-	-	16	6	RE 454	16	RE 454

Available tubes, check tube features at pag. 22 of the general catalogue.

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