



KUBOTA Centrifuges New! F-gas Free Models

Centrifuges using a truly eco-friendly refrigerant: New refrigerant R1234yf with Global Warming Potential (GWP) of less than 1, and zero Ozone Depletion Potential (ODP).

F-gas free

F gas denotes fluorinated greenhouse gas. KUBOTA's F-gas free models are built without using any F gas. In the interest of environmental protection, the EU has adopted Regulation No 517/2014 that restricts the use of F gas to reduce its emission.

	R1234yf ^{*2}	R134a
Global Warming Potential (GWP) ^{*1}	<1	1,300
Ozone Depletion Potential (ODP)	0	0

For example, if we compare greenhouse gas reduction in terms of the quantity of refrigerant used, the S700FR per unit using R134a generates approximately 442kg of CO₂, whereas using R1234yf brings this down to 0.4kg, a difference that is equivalent to a carbon offset of roughly 35 Japanese cedar trees.

*1 Source: IPCC Fifth Assessment Report (AR5)

*2 Also used in car aircons and vending machines

F-gas free

F-gas Free Centrifuge Lineup

Handles bottles up to 750mL max
Model packed full of innovations in design, rotor and user interface

Benchtop Refrigerated Centrifuge

S700TR F-gas free



AT-508C



RS-1440M
(with buckets)

S700TR specifications*3

Max. capacity	750mL×4
Max. speed	12,000rpm
Max. RCF	13,200×g
Power requirements	Single phase 220/230V ± 10%, 50/60Hz, 10A
Size	77 (W) × 63 (D) × 40 (H) cm
Weight	103 kg



Handles conical tubes up to 50mL
Standard model of micro refrigerated centrifuge
KUBOTA's fastest ever 2-second imbalance detection achieved

Benchtop Refrigerated Centrifuge

S300TR F-gas free



MiX set
(Code No.053-0130)



MiX set
(Code No.053-0140)

S300TR specifications*3

Max. capacity	15mL×24
Max. speed	4,000rpm
Max. RCF	2,610×g
Power requirements	Single phase 110/115V ± 10%, 50/60Hz, 10A
	Single phase 220/230V ± 10%, 50/60Hz, 8A
Size	36 (W) × 64 (D) × 33 (H) cm
Weight	110/115V 40 kg, 220/230V 44 kg



*3 F-gas free models use the same rotor, bucket and other accessories and offer the same maximum speed, RCF and capacity as conventional models.

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