

KATRINA 12L

Centrifuge

BLOOD BANK
Centrifuge

NEW GENERATION

The new generation of centrifuge for your blood bank center KATRINA benefits from the experience of AFI, it will easily and safely replace your old centrifuges. Katrina meets all your validated protocols for separating plasma, Buffy coat, red blood cells.

QUALITY THAT SPEAKS FOR ITSELF

The «IDEM» application coupled with PFC (Power Factor Control) technology ensures a reproducibility of your cycles making Katrina an ideal centrifuge for simplified blood processing productivity

INTERACTIVE COMMUNICATION

With its large «Smartphone» touch screen colour display, KATRINA ensures interactive communication between you and the machine. Backlit display for better visibility. Programming is greatly facilitated by direct access to all cycle parameters in a single window. Compatible with gloved hands.

SECURITY

User access as password protection of the protocols ensures increased security and efficiency



Centrifuge	Description
AFI-C600R-2P-B12	KATRINA Blood Banking Centrifuge 6x 2000 mL
AFI-C600R-2P-B6	KATRINA Blood Banking Centrifuge 6x 950 mL
Specifications	Swing-out rotor
Max Speed	6000 rpm
Max RCF	7301 g
Max Loading	12 Liters
T° Range	-20°C/+40°C
Dim. (HxWxD)	95x81x96cm
Pack dim.	114x89x109cm
Weight	352kg

The high performance centrifuge



IDEM APPLICATION

The IDEM application guarantees a perfect reproduction of the cycle. Regardless of the environment (rotor change, partial bag loading, tension, machine age) the IDEM application guarantees identical results for all your cycles.

INTERNATIONAL AUTOMATIC ELECTRICAL CORRECTION



International automatic correction of the electrical network. Guarantees stability of the machine's performance.

Its
major
assets
6 reasons

to choose it



Multi-user, password-protected access control for protocol protection

SECURITY

Centrifuge's electronic functions integrated into a front central unit. Plug & play system guaranteeing a fast and efficient intervention

THE BLUE BOX



INTERACTIVE DISPLAY

Its large touch screen, ensures simple communication between user and device. Backlight display for better visibility. One screen that grants direct access to all cycle parameters, also compatible with gloves



You can set up your own programs, name it, lock it, choose slope rate, set up your own user preferences.

CUSTOMIZABLE PROGRAM



KATRINA

KATRINA, AFI's Topnotch Centrifuge

Designed to meet all needs related to blood treatment and optimized to reach the highest level of performance, while remaining ergonomic and user-friendly.



KATRINA, the New Generation in Centrifuge for your Transfusion Centers

Optimally designed by a group of French experts, KATRINA is a safe and easy alternative to your old centrifuges. Katrina meets validated protocol and international standards.

KATRINA, Quality that Speaks for Itself

The « IDEM » application combined with PFC (Power Factor Control) technology ensures cycle reproducibility, making KATRINA the ideal centrifuge for simple and productive blood treatment.



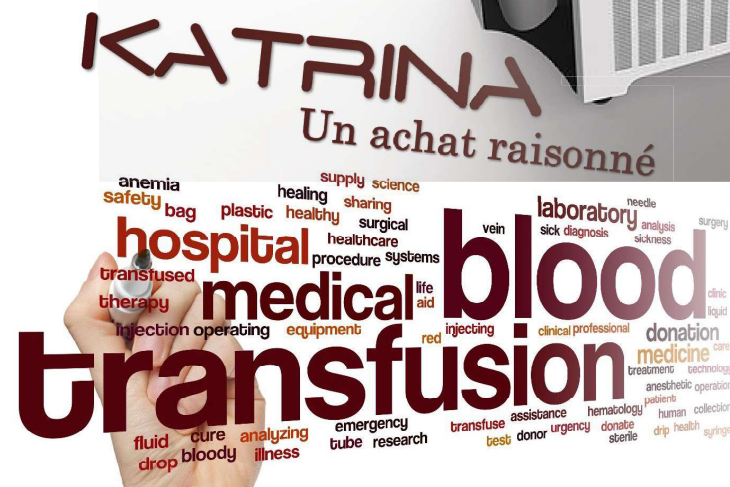
NEW GENERATION

KATRINA, AFI's Savoir-Faire

Modelled after AFI's latest technical practices, KATRINA truly represents state-of-the-art French design.

- AFI designs and manufactures its own motors
- AFI designs and manufactures its own circuit boards
- AFI designs and manufactures its own cooling units.
- AFI designs and manufactures its own parts
- Its innovative suspension and noise reduction system make the AFI centrifuge the most reliable of its kind.

All AFI centrifuges are manufactured in Mayenne (France), a longtime leader in French centrifugation, and sealed with the "Made in France" quality stamp of approval



AFI RX6-1000-12

Blood Bags Adapters selection guide

Model	R
Max Capacity	12 x 750 mL Bags / 6x 2L Bottles
Angle	90°
RPM Max	4 300
ACR Max	5 767

Accessories

Ref.	AFI-RX6-1000-12	AFI-LRX6**	AFI-BO6-1000*	AFI-LI6-1000*	AFI-LIS6-1000*	AFI-6BD1000	AFI-BO6-2000*	AFI-6T8B	AFI-WLI750*
	* Set of 6		** Recommended for use above 3800 rpm				* Set of parts from 10 to 40gr		

Blood Bag

	450 mL	500 mL	550 mL	600 mL	750 mL
Type	Double to Quadruple	Quintuple Quintuple + F	Quadruple Quintuple	Simple Double	Simple
Bags per adapter / rotor	1 6	1 6	1 6	1 6	1 6
Adapter					
Hole LWH (mm)	1 Cavity Liner 143x116x143				
Radius	279				
Max charge (gr)	1800				
Ref.	AFI-LI6-1000				

Blood Bags

	350-450 mL	450 mL +/- 10%	750mL	1L
Type	Simple Double	Triple	Simple	Simple
Bags per adapter / rotor	2 12	2 12	2 12	1 6
Adapter				
Hole LWH (mm)	2 Cavities Liner 69x116x143			
Radius	279			
Max charge (gr)	1800			
Ref.	AFI-LIS6-1000			

Bottles

	2L
Type	Bottles 2L
Bottles per adaptor	1 6
Bucket	
Speed	3600 Rpm
Ref.	AFI-BO6-2000

AFI RX6-1000-6

Blood Bags Adapters selection guide



Model	R
Max Capacity	6 x 950ml
Angle	90°
RPM Max	4 900
ACR Max	7 301

Accessories

Ref.	AFI-RX6-1000-6	AFI-LRX6*	AFI-BO6-750	AFI-WLI750*	AFI-STICK7	AFI-STICK14
			** Recommended for use above 3800 rpm		* Set of parts from 10 to 40gr	

Blood Bags

Type	Double / Triple Quadruple + Filtré	Double / Triple Quadruple + Filtré	Simple Buffy coat run	
Bags per adapter / rotor	1 6	1 6	2 12	
Adapter				
Hole LWH (mm)	272			
Radius	269			
Max Charge (gr)	1500			
Ref.	AFI-LI6-750	AFI-LI6-750-600	AFI-LI6-750-900	

* We recommend the use of a silicone spacer to wedge the pocket

Tubes

	1,6-7	2,6-4,9	2,7-5	15	50
Capacity (ml)	13x75 100	13x81 106	11x82 108	17x120	29x115
Ø x L (mm)	13x75 100	13x81 106	11x82 108	16 96	7 42
Tubes per adapter / rotor					
Adapter					
Hole Ø x L (mm)	13,5x58				
Radius	272				
Max Charge (gr)	1500				
Ref.	AFI-6T05		AFI-6T015C		AFI-6T050C

DATA SHEET

Spécifications - Specifications			
Modèle - Model	Réfrigéré - Refrigerated		
Centrifugeuse de paillasse Benchtop centrifuge			
Référence - Reference	AFI-C600R-2P-B12AFI-C600R-2P-B6		
Tension nominale - Nominal voltage (+/- 10%)	230V +/-10% Single phase		
Fréquence - Frequency	50 Hz		
Puissance alimentation max. - Power max.	4000 W (1300 W compressor)		
Conformité aux directives Européennes - Compliance with European directives			
2014/35/UE : Directive Basse Tension – Low Voltage Directive	✓		
2014/30/UE : Directive CEM - EMC directive	✓		
2012/19/CE : Directive DEEE - WEEE directive	✓		
2011/65/CE : Directive ROHS - ROHS Directive	✓		
IEC / EN61010-1 (2010) : Sécurité - Safety	✓		
IEC / EN61010-2-020 (2006) : Sécurité - Safety	✓		
EN61326-1(2013) : Compatib. électromagn. - EMC compatibility	✓		
EN55011 2009/A1 (2010) Classe A : Perturbations / Emissions	✓		
EN ISO 14971 (2012) : Gestion des risques - Risk management	✓		
ISO 9001 (2015) : Gestion des risques - Risk management	✓		
ISO 13485 (2016) : Gestion des risques - Risk management	✓		
Caractéristiques principales (voir brochure) - Main specifications (see brochure for full specification)			
 Rotors Swing-out Swing-out rotors	Capacité max. Max. capacity	6x 2000 mL	6x 950 mL
	RPM max.	4300 rpm	4900 rpm
	ACR max Max. RCF	5767g	7301g
 Rotor angulaire Angular rotors	RPM max	6000 Rpm	
	ACR Max	5836 x g	
Dimensions & poids - Dimensions & Weight			
Dimensions (HxLxL) - Foot print Dimensions (HxWxD)		95 x 81 x 96 cm	
Dimensions emballage (HxLxL) - Package dimension (HxWxD)		114 x 89 x 109 cm	
Hauteur couvercle ouvert - Opened lid height		181 cm	
Poids net - Weight unpacked		346 Kg	
Poids emballé - Weight packed		352 kg	



Description de la centrifugeuse / Centrifuge description		
Référence - Reference	AFI-C600R-2P-B12	AFI-C600R-2P-B6
Écran LCD 5.7"		✓
5.7" LCD screen		✓
Commandes	Touches et écran tactiles	
Commands	Buttons and touchscreen	
Contrôle par microprocesseur		✓
Microprocessor control		✓
Reconnaissance automatique du rotor		✓
Automatic rotor recognition		✓
Détection de balourd	50g en chargement opposés	
Imbalance detection	50g in opposite loading	
Fermeture du couvercle		✓
Lid closing		✓
Fonction My IDEM (calcul d'intégral)		✓
My IDEM function (Accumulated Centrifugal Effect)		✓
Modes	Au démarrage, au démarrage vitesse/durée	
Modes	At start, At start speed/time	
Durées de cycle	10 s à 99h:59min:59s & Impulsion	
Cycle duration	10 s to 99h:59min:59 s & Pulse	
Unités de température	°C / °F	
Temperature units	°C / °F	
Chambre de centrifugation	Inox	
Centrifugation chamber	Inox	
Densité max.	1.2 g / cm ³	
Max. density	1.2 g / cm ³	
Moteur à induction sans charbon		✓
Brushless induction motor		✓
Vitesse mini / Maxi	300 / 4400 rpm	
Mini / Max Speed	300 / 4400 rpm	
Pas de réglage de la vitesse	10 rpm	
Speed setting step	10 rpm	
Précision de vitesse	± 0.5%	
Speed accuracy	± 0.5%	
Nombre de programmes	99 + routine + precool + warmup	
Programs number	99 + routine + precool + warmup	
Pentes d'accélération & de freinage	10 & 10	
Acceleration & Braking slopes	10 & 10	
Décélération libre		✓
Brakeless mode		✓
Système de réfrigération	R452A, Sans CFC	
Cooling system	R452A, CFC free	
Plage de réglage en température	-20°C → +40°C	
Range of setting temperature	-20°C → +40°C	
Fonction de pré-refroidissement		✓
Precool function		✓
Précision en température	+/- 1°C	
Temperature accuracy	+/- 1°C	
Dissipation de chaleur maximale	13 640 BTU/h	
Heat dissipation	13 640 BTU/h	
Niveau sonore max.	≤ 61 dB(A)	
Max. noise	≤ 61 dB(A)	