

KATRINA

Centrifuge HIGH PERFORMANCE

The KATRINA High Performance has been designed to meet the bioprocessing methods.

KATRINA High Performance is available with a choice of 2 rotors : 6x1L or 4x2L to meet all your needs for high throughput sample processing.

PROVEN QUALITY

The «IDEM» application coupled with PFC (Power Factor Control) technology ensures reproducible cycles, making KATRINA an ideal centrifuge for simplified 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-C600RE-2P-H6	KATRINA Haute Performance centrifuge
AFI-C600RE-2P-H8	KATRINA Haute Performance centrifuge
Specifications	Swing-out rotor
Max Speed	4300 / 4400 rpm
Max RCF	5809 / 5931g
Max Loading	6x1L / 4x2L
T° Range	-20°C/+40°C
Dim. (HxWxD)	95x81x96cm
Pack dim.	114x89x109cm
Weight	352kg

KATRINA | High Performance

Swinging bucket rotors Accessories selection guide



KATRINA ACCESSORIES	AFI-RX6-1000-H	AFI-RX6-1000-D	AFI-RX4-2000

KATRINA ACCESSORIES	AFI-BR6-1000	AFI-BXDW6	AFI-BO6D-1000*	AFI-BR4-2000
Max Capacity (ml)	6x 1L	48 Microplates	6x 1L	4x 2L
Max Charge (gr)	1400	1000	1800	2400
Max Speed (rpm)	4 300	4 300	3 600	4 400
Max RCF (g)	5 747	5 519	4 289	5 931
Cavity dim (ØxD) or (WxLxD)	Ø102x135	90x132x114	117x144x152	Ø124x144
Lid	✓	✓		

Bottles	ml	Ø x L	AFI-BR6-1000	AFI-BXDW6	AFI-BO6D-1000*	AFI-BR4-2000
	150 FALCON	61x118	6	-	-	4
	200 FALCON	61x138	6	-	-	4
	200 AFI-B-PPCO200C	56x118	6	-	-	4
	200 NUNC/NALGENE	60x130	6	-	-	4
	200 AFI-B-PPCO200F	56x112	6	-	-	4
	250 CORNING	60x163	6	-	6*	4
	250 AFI-B-PPCO250F	62x122	6	-	6*	4
	290 AFI-B-PPCO290F	62x137	6	-	6*	4
	400	81x136 84x134	6	-	6*	4
	500 CORNING	96x148	6	-	6*	4
	500 AFI-B-PPCO500F	98x114	6	-	6*	4
	625 AFI-B-PPCO625F	92x130	6	-	6*	4
	750 AFI-B-PPCO750F	98x152	6	-	6*	4
	750 AFI-B-PPCO750FB	100x130	6	-	6*	4
	950 AFI-B-PPCO950FB	100x154	6	-	6*	4
	1L AFI-B-PPCO1000FB	100x168	6	-	6*	4
	1L AFI-B-PPCO1000F	98x175	6	-	6*	4
	1L NALGENE	94x217 94x197	-	-	6*	4*
	2L AFI-B-PPCO2000F	125x214	-	-	-	4
	Micro Plates		-	48	-	-
	Deep Well		-	12	-	-

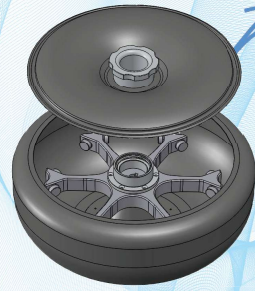
*UNSEALED



AFI RX6-1000-H

Adapters selection guide

Model	R
Max Capacity	6x 1L
Angle	90°
RPM Max	4 300
ACR Max	5 499



Accessories



Ref.	AFI-RX6-1000-H	AFI-LRX6**	AFI-BR6-1000*	AFI-LR6-1000	AFI-BXDW6*
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* Set of 6
** Recommended for use above 3800 rpm

Tubes	SARSTEDT								
Capacity (ml)	15	15	30	30	30	50	50	50	50
∅ x L (mm)	17x120	17x120	25x110	25x110	25x95	29x115	29x115	29x115	29x107
Tubes per adapter / rotor	13 78		7 42	7 42	8 48	5 30		5 30	7 42
Adapter									
Hole ∅ x L (mm)	18x80	18x80	26x60	26x60	26,5x70	30x70	30x70	30x70	30x70
Radius	278	278	271	278	276	271		278	276
Max Charge (gr)	1400								
Ref.	AFI-6T15C-RB	AFI-6T15ST-RB	AFI-6T30S-RB	AFI-6T30C-RB	AFI-6T30AOR-RB	AFI-6T50S-RB	AFI-6T50C-RB*	AFI-6T50C-RB	AFI-6T50AOR-RB

* For protocols < 3500g

Tubes	AFI-B-PPLUB0AUK		FALLON		AFI-B-PPLU20UL		NUNUK / PALUETEC		AFI-B-PPLU20UP		LURNING		AFI-B-PPLU20UP		AFI-B-PPLU20UP*	
Capacity (ml)	80	80 / 85	150 200	200	200	200	250	250	250	250	250	250	250	250	290	290
∅ x L (mm)	38x105	38x106	61x118 138	56x118	60x130	56x112	60x163	62x122	62x122	62x122	62x122	62x122	62x122	62x122	62x137	62x137
Tubes per adapter / rotor		3 18	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Adapter																
Hole ∅ x L (mm)		40x78	62x80	58x80	62x80	58x80	62x103	64x80	64x80	64x80	64x80	64x80	64x80	64x80	64x80	64x80
Radius		278	278	278	278	278	278	278	278	278	278	278	278	278	278	278
Max Charge (gr)		1400														
Ref.		AFI-6T80AOR-RB	AFI-6T200CF-RB	AFI-6T200C-RB	AFI-6T200CN-RB	AFI-6T200F-RB	AFI-6T250C-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB	AFI-6T290F-RB

Tubes	AFI-B-PPLU00B*		LURNING		AFI-B-PPLU20UP		AFI-B-PPLU20UP		AFI-B-PPLU20UP		AFI-B-PPLU20UP		AFI-B-PPLU20UP		AFI-B-PPLU20UP	
Capacity (ml)	400	500	500	625	750	750	950	1L	1L	1L	1L	1L	1L	1L	1L	1L
∅ x L (mm)	81x136 - 84x134	96x148	98x114	92x130	98x152	100x130	100x154	100x168	98x175	98x175	98x175	98x175	98x175	98x175	98x175	98x175
Tubes per adapter / rotor	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6	1 6
Adapter																
Hole ∅ x L (mm)	85x100	97x103	102x130	94x85			102x130									
Radius	278	278	278	270			278									
Max Charge (gr)	1400															
Ref.	AFI-6T400F-RB	AFI-6T500C	-	AFI-6T625F-RB	-	-	-	-	-	-	-	-	-	-	-	-

* unsealed



Model	R
Max Capacity	6x 1L
Angle	90°
RPM Max	4 300
ACR Max	0

Accessories



Ref.	AFI-RX6-1000-H	AFI-LRX6	AFI-BR6-1000*	AFI-LR6-1000	AFI-BXDW6*
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* Set of 6
** Recommended for use above 3800 rpm

MicroPlates		
Capacity (ml)		
∅ x L (mm)		
Tubes per adapter / rotor	8 48	2 12
Adapter		
Hole ∅ x L (mm)		
Radius	266	267
Max Charge (gr)	1000	
Ref.	AFI-BXDW6	

AFI RX6-1000-D Adapters selection guide

Model	R
Max Capacity	6x 1L
Angle	90°
RPM Max	3 600
ACR Max	4 289

Accessories



Ref.	AFI-RX6-1000-D	AFI-BOGD-1000*
	* Set of 6	



Tubes	AFI-B-PPC050FB	AFI-B-PPC0100F	AFI-B-PPC0950FB	NALGENE	NALGENE	AFI-B-PPC0750F	AFI-B-PPC0750FB	AFI-B-PPC0625F
Capacity (ml)	1L	1L	950	1L	1L	750	750	625
∅ x L (mm)	100x168	98x175	100x154	94x197	94x217	98x152	100x130	92x130
Tubes per adapter / rotor	1 6		1 6		1 6		1 6	
Adapter								
Hole ∅ x L (mm)	102x100		95x140		102x100		94x85	
Radius	296		296		286		291	
Max Charge (gr)	1750		1750		2400		2400	
Ref.	AFI-6T1000F		AFI-6T1000FN-OD		AFI-6T1000F		AFI-6T625F	

Tubes	CORNING	AFI-B-PPC050F	AFI-B-PPC0400F*	AFI-B-PPC0290F*	AFI-B-PPC0250F	CORNING
Capacity (ml)	500	500	400	290	250	250
∅ x L (mm)	96x148	98x114	81x136 - 84x134	62x137	62x122	60x163
Tubes per adapter / rotor	1 6		1 6		1 6	
Adapter						
Hole ∅ x L (mm)	97x103	102x100	85x100	64x80	62x103	70 x 130 x 120
Radius	296	295	286	291	295	274
Max Charge (gr)	1750		1750		2400	
Ref.	AFI-6T500C	AFI-6T1000F	AFI-6T400F	AFI-6T290F	AFI-6T250C	AFI-6BD1000

Tubes	1,6-7	2,6-4,9	2,7-5	4-8,5	7-10	15	15	50
Capacity (ml)	13x75 100	13x81 106	11x82 108	15x91 108	16x100	17x120	17x120	29x115
∅ x L (mm)	46 276		66 396		33 198		24 144	
Tubes per adapter / rotor	46 276		66 396		33 198		24 144	
Adapter								
Hole ∅ x L (mm)	13,5x58		12,5x55		17x58		18x80	
Radius	281		261		281		290	
Max Charge (gr)	1750		1750		2400		2400	
Ref.	AFI-6T5*		AFI-6T5S*		AFI-6T10		AFI-6T15C	

* For tube length > 80mm and ACR > 3000g, we preconise using adapter AFI-6T6 or 6T5S*

AFI RX4-2000 Adapters selection guide



Model	R	
Max Capacity	4x 2L	Load > 2,1 kg
Angle	90°	90°
RPM Max	4 400	4 250
ACR Max	5 931	5 533

Accessories



Ref.	AFI-RX4-2000	AFI-LRX6**	AFI-BR4-2000*	AFI-L4-2000*
	* Set of 4			
	** Recommended for use above 3800 rpm			



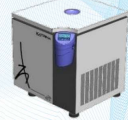

Tubes	30	50	50	50	50	FALCON	AFI-B-PPC0200C	NUNC / NALGENE
Capacity (ml)	25x110	29x115	29x115	29x115	29x107	150 200	200	200
∅ x L (mm)	25x110	29x115	29x115	29x115	29x107	61x118 138	56x118	60x130
Tubes per adapter / rotor	9 36	9 36	9 36	9 36	9 36	1 4	1 4	1 4
Adapter								
Hole ∅ x L (mm)	26x60	30x70	30x70	30x70	30x70	62x80	58x80	62x80
Radius	274	267	268	268	268	262	262	262
Max Charge (gr)	2400		2400		2400		2400	
Ref.	AFI-8T30S	AFI-8T50S	AFI-8T50CS*	AFI-8T50C	AFI-8T50AOR	AFI-8T200CF	AFI-8T200C	AFI-8T200CN

* For protocols < 3500g


Tubes	AFI-B-PPC0200F	CORNING	AFI-B-PPC0250F	AFI-B-PPC0290F*	AFI-B-PPC0400F*	CORNING	AFI-B-PPC0500F	AFI-B-PPC0625F
Capacity (ml)	200	250	250	290	400	500	500	625
∅ x L (mm)	56x112	60x163	62x122	62x137	81x136 - 84x134	96x148	98x114	92x130
Tubes per adapter / rotor	1 4	1 4	1 4		1 4	1 4	1 4	1 4
Adapter								
Hole ∅ x L (mm)	58x80	62x103	64x80		85x100	97x103	102x130	94x85
Radius	274	262	267		272	272	274	270
Max Charge (gr)	2400		2400		2400		2400	
Ref.	AFI-8T200F	AFI-8T250C	AFI-8T290F		AFI-8T400F	AFI-8T500C	AFI-8T1000F	AFI-8T625F

Tubes	AFI-B-PPC0750F	AFI-B-PPC0750FB	AFI-B-PPC0950FB	AFI-B-PPC01000FB	AFI-B-PPC01000F	NALGENE	AFI-B-PPC01600F	AFI-B-PPC02000F
Capacity (ml)	750	750	950	1L	1L	1L	1,6L	2L
∅ x L (mm)	98x152	100x130	100x154	100x168	98x175	94x197 (217*)	112x211	125x214
Tubes per adapter / rotor	1 4		1 4		1 4		1 4	
Adapter								
Hole ∅ x L (mm)	102x130		102x130		96x140		115x130	
Radius	274		274		274		274	
Max Charge (gr)	2400		2400		2400		2400	
Ref.	AFI-8T1000F		AFI-8T1000F		AFI-8T1000FN		AFI-8T1600F	

* for NALGENE 1L (Ø91x217) - without lid

Spécifications - Specifications			
Modèle - Model		Réfrigéré - Refrigerated	
Centrifugeuse de paillasse Benchtop centrifuge			
Référence - Reference		AFI-C600R-2P-H6	AFI-C600R-2P-H8
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 1L	4x 2L
	RPM max.	4300 rpm	4400 rpm
	ACR max Max. RCF	5809g	5931g
	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-H6	AFI-C600R-2P-H8
Ecran LCD 5.7" 5.7" LCD screen		✓
Commandes Commands	Touches et écran tactiles Buttons and touchscreen	
Contrôle par microprocesseur Microprocessor control		✓
Reconnaissance automatique du rotor Automatic rotor recognition		✓
Détection de balourd Imbalance detection	50 g en chargement opposés 50g in opposite loading	
Fermeture du couvercle Lid closing		✓
Fonction My IDEM (calcul d'intégral) My IDEM function (Accumulated Centrifugal Effect)		✓
Modes Modes	Au démarrage, au démarrage vitesse/durée At start, At start speed/time	
Durées de cycle Cycle duration	10 s à 99h:59min:59s & Impulsion 10 s to 99h:59min:59 s & Pulse	
Unités de température Temperature units	°C / °F	
Chambre de centrifugation Centrifugation chamber	Inox	
Densité max. Max. density	1.2 g / cm ³	
Moteur à induction sans charbon Brushless induction motor		✓
Vitesse mini / Maxi Mini / Max Speed	300 / 4400 rpm	
Pas de réglage de la vitesse Speed setting step	10 rpm	
Précision de vitesse Speed accuracy	± 0.5%	
Nombre de programmes Programs number	99 + routine + precool + warmup	
Pentes d'accélération & de freinage Acceleration & Braking slopes	10 & 10	
Décélération libre Brakeless mode		✓
Système de réfrigération Cooling system	R452A, Sans CFC R452A, CFC free	
Plage de réglage en température Range of setting temperature	-20°C → +40°C	
Fonction de pré-refroidissement Precool function		✓
Précision en température Temperature accuracy	+/- 1°C	
Dissipation de chaleur maximale Heat dissipation	13 640 BTU/h	
Niveau sonore max. Max. noise	≤ 61 dB(A)	