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Middle Atlantic Products Thermal Management Solutions

Maintaining the temperature inside enclosures is critical to the proper functioning and survival of the equipment operating within them. Middle Atlantic Products offers many effective solutions for taking an integrated, system approach to thermal management of rack enclosures.



Click [HERE](#) to Download the **Thermal Management White Paper**

Click [HERE](#) to use our **Thermal Management Calculator** *NEW!*

FC Series Thermostatic Fan Control - *UPDATED!*



Proportional speed thermostatic fan control extends both equipment and fan life and reduces service calls by varying the fan speed of up to four fans, based on the temperature within the enclosure.

Featuring three temperature ranges, the fan control can be set to activate proportional to the enclosure temperature, or to come on at full power whenever the temperature threshold is reached.

The *NEW* FC-2-215-1C includes two NEMA 5-15R 15 Amp outlets.

Part #	Description	# of Fan Outlets
FC-4	mounts in MPR Series raceways	4
FC-4-1C	mounts to rackrail brackets or any flat surface	4
FC-2-215-1C	mounts to rackrail brackets or any flat surface, includes two 15 Amp outlets	2

A&E Spec. #96-980 [Download or view](#) PDF file



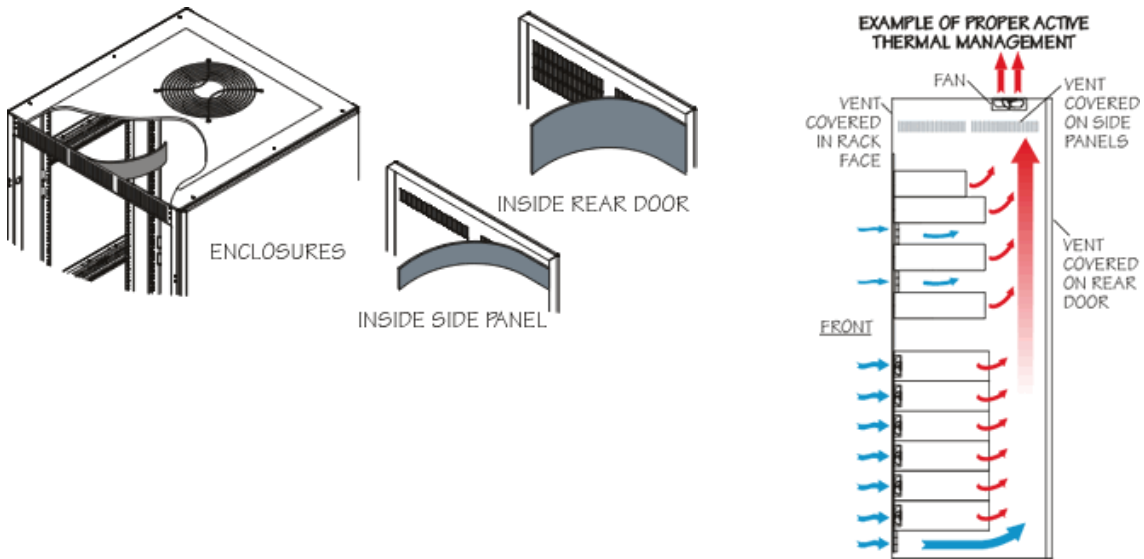
FC-4-1C



NEW! FC-2-215-1C with two 15 Amp outlets

Vent Blocker Kits

Magnetized vent blocker strips promote proper active thermal management when using exhaust fans.



Part #	Used on	Top vent strip	Side Panel vent strip	Rear Door vent strip
VBK-W27-W32	WRK-XX-27 & WRK-XX-32	•	-	-
VBK-WSA27	WRK-XXSA-27	•	•	-
VBK-WSA32	WRK-XXSA-32, WR-XX-32	•	•	-
VBK-E20	ERK-XX-20, DWR-XX-26	•	•	-
VBK-E25	ERK-XX-25	•	•	-
VBK-D17	DWR-XX-17	•	•	-
VBK-SCRK27 <i>NEW!</i>	SCRK Series	•	•	•
VBK-SD22	SR-40-22, DWR-XX-22	•	•	-
VBK-S28	SR-40-28	•	•	-
VBK-S32	SR-40-32	•	•	-
VBK-V	VRK-44-31H	•	-	•
VBK-DRK	DRK	-	-	•

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QFP Series

Quiet fan panel assembly. Available with 1 or 2 fans in a textured or anodized aluminium finish. 3 space, includes fans and grills.



Anodized Part #	Textured Part #	Racking Height	Free Air dB Rating	# of Fans Installed
QFP-1	QTFP-1	5-1/4"(3 space)	<30 dBA	one
QFP-2	QTFP-2	5-1/4"(3 space)	<33 dBA	two

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Fan Panels

Our fan panels fit all 4 1/2" fans. 3 rackspaces (5 1/4") high, they are made from 16-gauge flanged aluminum. Offered in a textured black powder coat, or brushed and black anodized finish.



FP-2

Anodized Part #	Textured Part #	Racking Height	Accommodates
FP1	TFP1	5-1/4"(3 space)	one 4-1/2" fan
FP2	TFP2	5-1/4"(3 space)	two 4-1/2" fan
FP3	TFP3	5-1/4"(3 space)	three 4-1/2" fan



Filter Kit

Made from 18-gauge perforated steel, our washable filter is 1" thick and mounts directly over fans, or it can be used as a filtered vent panel. Black powder coat finish, 3 spaces (5 1/4").

Part #
FILTER



Fans - **UPDATED!**

Featuring smooth, ball bearing design for extra quiet operation, 115V fans mount flush and come in 4-1/2", **NEW** 6" and 10" models. Hardware and cord included with each unit. AXS-FAN and AXS-FAN-K feature slim profiles for mounting within AXS Series racks.



FAN

QFAN
complete with guard!

NEW FAN-6

A&E Spec. #96-01063 [Download or view PDF file](#)

Part #	Size	Depth	Free Air dB Rating	Free Air CFM
FAN	4-1/2"	1-1/2"	39 dBA	95
QFAN	4-1/2"	1-1/2"	<30 dBA	50
AXS-FAN	4-1/2"	1"	30 dBA	57
AXS-FAN-K*	4-1/2"	1"	33 dBA	114
FAN-6 NEW	6"	1-1/2"	49 dBA	220
FAN-10	10"	3-1/2"	49 dBA	550
BMF-FAN10	10"	4-1/4"	60 dBA	825

* includes 2 fans



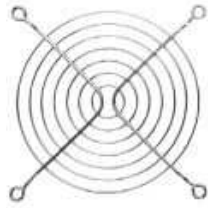
BMF-FAN10



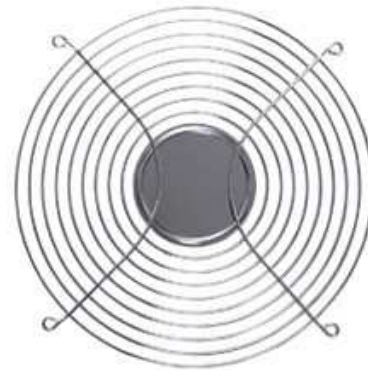
Fan Guards - **UPDATED!**

Fitting 4-1/2", **NEW** 6" and 10" fans, fan guards are "Hamburger grille" style and have a flat black powder coat finish.

Part #	Fits
GUARD	4-1/2" Fan
GUARD-6	6" Fan
GUARD-10	10" Fan



GUARD



GUARD-10



Multiple Fan Cords - **NEW**

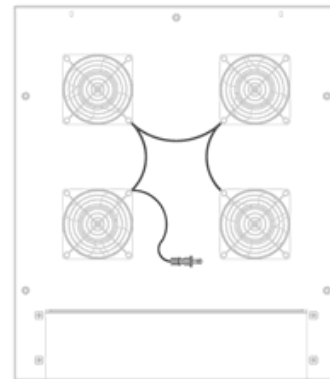
UL Listed Save outlets by operating two, three or four fans from a single power outlet with the multiple fan cord. Fan cords are UL Listed and CSA certified.

Not required for [integrated fan tops](#)

Part #	Fits
FANCORD-4X1	fan cord, accommodates four fans
FANCORD-3X1	fan cord, accommodates three fans
FANCORD-2X1	fan cord, accommodates two fans



NEW FANCORD-4X1



Fan top using FANCORD-4X1



Top Options - **UPDATED!**

Top options accept 4-1/2", **NEW** low-profile 6" or 10" fans for Active thermal management. Vented pagoda tops maintain enclosure temperatures through natural convection while minimizing the amount of dust and debris that can fall into the rack, and adds 1-1/2" to the top of the rack. Solid, slot pattern vented, large perf vented and cable ladder adapter tops also available. All tops (excluding MV-PVT and MW-LA) include a removable two space service plate. Allows removal of top without disrupting cable bundles.

Fits WRK, MRK, VRK, VMRK, DRK Part #	Fits ERK, SCRK Part #*	Style
MW-4FT	ERK-4FT*	mounts four (MW-4FT) or three (ERK-4FT) 4-1/2" fans
MW-6FT NEW	ERK-6FT NEW	mounts three (MW-6FT) or two (ERK-6FT) 6" fans
MW-10FT	ERK-10FT*	mounts one 10" fan
MW-VT	ERK-VT*	slot pattern vented
MW-LVT	--	large perf vented, 64% open area



MW-ST	ERK-ST*	solid
MW-LA	--	accepts 6", 9" and 12" cable ladders
MV-PVTxx	--	vented pagoda top; MRK, VRK, VMRK only

*NOTE: black finish is standard, for granite gray finish, suffix part number with 'GY', for light gray suffix with 'LG' xx = depth of MRK, VRK and VMRK only (26", 31", 36" or 42")



Integrated Fan Tops - **UPDATED!**

Save time with integrated fan tops! Ships assembled. Integrated fan tops include 10", **NEW** low-profile 6" or 4-1/2" fans, fan guards and optional proportional speed thermostatic fan controller, which increases fan life and reduces noise and maintenance.



*proportional speed
thermostatic fan
control regulates
fan speed proportional
to heat inside enclosure*

MW-4QFT-FC

Part #	# of fans	Fan Controller	Fits	Free Air CFM
MW-4QFT-FC	four 4-1/2" quiet fans	included	WRK, MRK, DRK, VRK, VMRK Series	200
MW-10FT-FC	one 10" fan	included	WRK, MRK, DRK, VRK, VMRK Series	550
MW-4FT-380CFM NEW	four 4-1/2" fans	optional	WRK, MRK, DRK, VRK, VMRK Series	150
MW-6FT-660CFM NEW	three 6" fans	optional	WRK, MRK, DRK, VRK, VMRK Series	660
MW-10FT-550CFM NEW	one 10" fan	optional	WRK, MRK, DRK, VRK, VMRK Series	550
ERK-4QFT-FC*	3 quiet fans	included	ERK/SCRK Series	150
ERK-10FT-FC*	one 10" fan	included	ERK/SCRK Series	550
ERK-4FT-285CFM* NEW	three 4-1/2" fans	optional	ERK/SCRK Series	285
ERK-6FT-440CFM* NEW	two 6" fans	optional	ERK/SCRK Series	440
ERK-10FT-550CFM* NEW	one 10" fan	optional	ERK/SCRK Series	550

* NOTE: Black finish is standard, for granite gray finish suffix with 'GY', for light gray suffix with 'LG'