

## 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 their 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 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** FC2-2151C includes two NEMA 5R 15 Amp outlets.



FC-4-1C



**NEW!** FC-2-215-1C with two 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

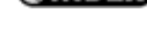


#96-980 [Download or view PDF file](#)

### Vent Blocker Kits

Magnetized vent blocker strips promote proper active thermal management by 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, WRK-XX-32			-
VBK-E20	ERK-XX-20, DWR-XX-26			-
VBK-E25	ERK-XX-25			-
VBK-D17	DWR-XX-17			-
VBK-SCRK27 <b>NEW!</b>	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	-	-	
VBK-PTRK	23" Deep PTRKs			
VBK-PTRK26	26" Deep PTRKs			



### 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.



QFP-2

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

### 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 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 16 gauge perforated steel, our washable filter is 1" thick and mounts directly over fans, or it can be used as a filtered vent panel. It has a 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 with 12', **NEW** 6' and 10' models. Hardware and cord included with each unit. AXSFAN and AXSFAN-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 <b>NEW</b>	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



BMF-FAN10

\* includes 2 fans

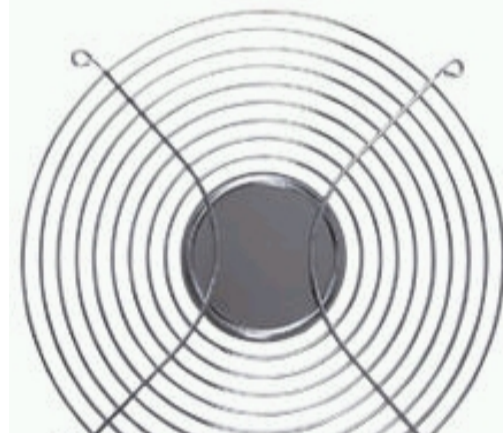
### Fan Guards - **UPDATED!**

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

Part #	Fits
GUARD	4-1/2" Fan
GUARD6	6" Fan
GUARD10	10" Fan



GUARD



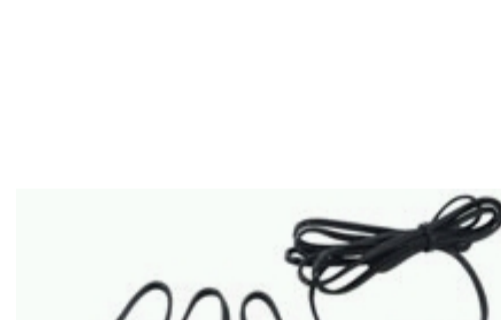
GUARD-10

### Multiple Fan Cords - **NEW**



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

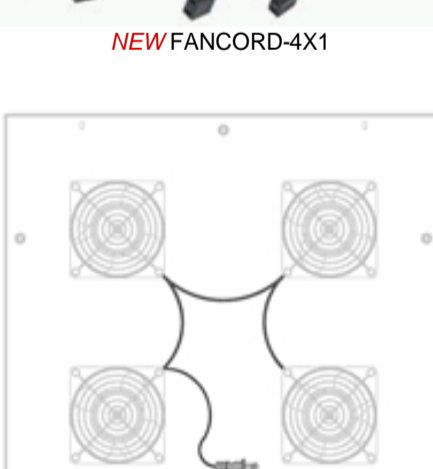
Not required for [integrated fan tops](#)



**NEW** FANCORD-4X1



Part #	Fits
FANCORD4X1	fan cord, accommodates four fans
FANCORD3X1	fan cord, accommodates three fans
FANCORD2X1	fan cord, accommodates two fans



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 a 2" to the top of the rack. Solid, slot pattern vented, large perf vented, and removable ladder adapter tops also available. All tops (excluding ERK, PVT and MWLA) include a cable ladder service plate that allows removal of top without disrupting cable bundles.

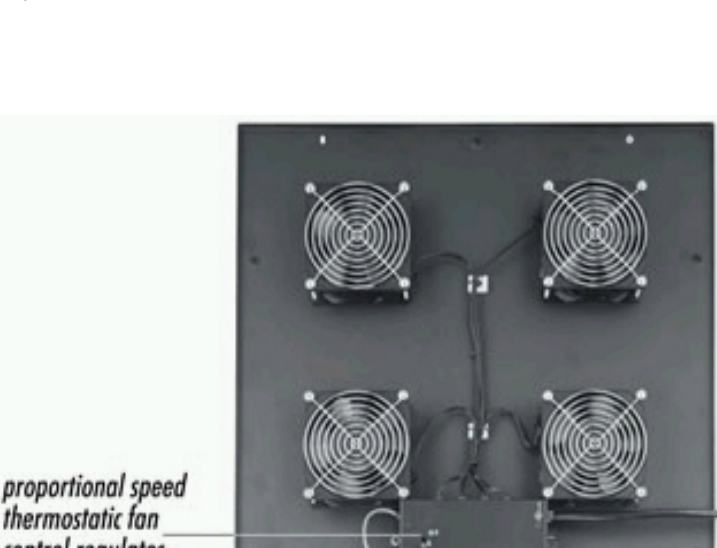
Fits WRK, MRK, VRK, VMRK, DRK Part #	Fits ERK, SCRK Part #*	Style
MW-4FT	ERK4FT*	mounts four (MW4FT) or three (ERK4FT) 4 1/2" fans
MW-6FT <b>NEW</b>	ERK6FT <b>NEW</b>	mounts three (MW6FT) or two (ERK6FT) 6" fans
MW-10FT	ERK10FT*	mounts one 10" fan
MW-VT	ERKVT*	slot pattern vented
MW-LVT	--	large perf vented, 64% open area
MW-ST	ERKST*	solid
MW-LA	--	accepts 6, 9" and 12" <a href="#">cable ladders</a>
MW-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", 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 Serie	200
MW-10FT-FC	one 10" fan	included	WRK, MRK, DRK, VRK, VMRK Serie	550
MW-4FT-380CFM <b>NEW</b>	four 4-1/2" fans	optional	WRK, MRK, DRK, VRK, VMRK Serie	150
MW-6FT-660CFM <b>NEW</b>	three 6" fans	optional	WRK, MRK, DRK, VRK, VMRK Serie	660
MW-10FT-550CFM <b>NEW</b>	one 10" fan	optional	WRK, MRK, DRK, VRK, VMRK Serie	550
ERK4QFT-FC*	3 quiet fans	included	ERK/SCRK Serie	150
ERK10FT-FC*	one 10" fan	included	ERK/SCRK Serie	550
ERK4FT-285CFM* <b>NEW</b>	three 4 1/2" fans	optional	ERK/SCRK Serie	285
ERK6FT-440CFM* <b>NEW</b>	two 6" fans	optional	ERK/SCRK Serie	440
ERK10FT-550CFM* <b>NEW</b>	one 10" fan	optional	ERK/SCRK Serie	550

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