

# M-Series: Square and Round Diffusers



## 2x2 Square Diffusers

### Basic Models

Product Information Description: 2x2 (23-3/4"/603mm) Square Motorized VAV Diffusers

Model	Type	Diffuser Description	Size			
			6	8	10	12
<b>Four Blade Damper</b>						
MF	M	Master (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MF	S	Slave (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MF	D	Diffuser (Manually Adjustable)	✓	✓	✓	✓
<b>Disc Damper</b>						
MB	M	Master (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MB	S	Slave (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MB	D	Diffuser (Manually Adjustable)	✓	✓	✓	✓
<b>Disc Damper (Swirl Appearance Panel)</b>						
MBS	M	Master (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MBS	S	Slave (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MBS	D	Diffuser (Manually Adjustable)	✓	✓	✓	✓

## 2x2 Round Diffusers

### Basic Models

Product Information Description: 2dia (23-3/4"/603mm dia) Round Motorized VAV Diffusers

Model	Type	Diffuser Description	Size			
			6	8	10	12
<b>Four Blade Damper</b>						
MBR	M	Master (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MBR	S	Slave (VAV Heating and VAV Cooling)	✓	✓	✓	✓
MBR	D	Diffuser (Manually Adjustable)	✓	✓	✓	✓

## 1x1 Square Diffusers

### Basic Models

Product Information Description: 1x1 (12-5/8"/320mm) Square Motorized VAV Diffusers

Model	Type	Diffuser Description	Size			
			6	8	10	12
<b>Four Blade Damper</b>						
MK	M	Master (VAV Heating and VAV Cooling)	✓			
MK	S	Slave (VAV Heating and VAV Cooling)	✓			
MK	D	Diffuser (Manually Adjustable)	✓			
<b>Disc Damper</b>						
MN	M	Master (VAV Heating and VAV Cooling)	✓			
MN	S	Slave (VAV Heating and VAV Cooling)	✓			
MN	D	Diffuser (Manually Adjustable)	✓			
<b>Disc Damper (Swirl Appearance Panel)</b>						
MNS	M	Master (VAV Heating and VAV Cooling)	✓			
MNS	S	Slave (VAV Heating and VAV Cooling)	✓			
MNS	D	Diffuser (Manually Adjustable)	✓			

- Notes:
- All Master diffusers require Adjuster-M (see page 13).
  - Master and Secondary/Slave units are the same except for Cables.
  - All M-Series Master and Slave diffusers require Cable-MM (see page 13).

# M-Series: Square and Round Diffusers

## Options and Accessories



Option Type		Option Description	M-Series Available on Models						
			MF	MB	MBS	MBR	MK	MN	MNS
Wall Adjuster	Adj-M	Motorized Wall Adjuster	✓	✓	✓	✓	✓	✓	✓
	Adapter Plate	Adapter Plate	✓	✓	✓	✓	✓	✓	✓
	DMA	Mount Adj-M on attic side of diffuser	✓	✓	✓	✓	✓	✓	✓
	Cable-MM	Cable-MM	✓	✓	✓	✓	✓	✓	✓
	Cable-MS	Cable-MS	✓	✓	✓	✓	✓	✓	✓
Relief Rings	R6	Bypass Relief Ring (on 8" unit)	✓	✓					
	R8	Bypass Relief Ring (on 10" unit)	✓	✓					
	R10	Bypass Relief Ring (on 12" unit)	✓	✓					
Insulation	I	Insulation Attic side	✓	✓	✓		✓	✓	✓
Hanger	H	Security Hanger	✓	✓	✓	✓	✓	✓	✓
Housing	S95	Sheared Housing, 595mm	✓	✓	✓				
	SHT1	Sheared Housing, 23 3/16"	✓	✓	✓				
	SHT2	Sheared Housing, 22 3/4"	✓	✓	✓				
Baffles	D1	1-way blow	✓						
	D2	2-way blow opposite	✓	✓			✓		
	D2C	2-way blow corner	✓	✓			✓		
	D3	3-way blow	✓	✓			✓		
RT Sensor	3PS	3rd Party Sensor mounted in diffuser	✓	✓	✓	✓	✓	✓	✓
	AS	Acutherm Sensor mounted in diffuser	✓	✓	✓	✓	✓	✓	✓
Frames	AC-TFHD (bx)	Frame, Hard Ceiling	✓	✓	✓				
	AC-TF4DB (ea)	Frame, 4" Drop Box & Support	✓	✓	✓				
	AC-TF1DB (ea)	Frame, 1 7/16" Drop Box & Support	✓	✓	✓				
	AC-TFSP (bx)	Frame, Spline Ceiling	✓	✓	✓				
	AC-TFT1 (bx)	Frame, T1 Tegular (9/16" T-Bar)	✓	✓	✓				
	AC-TFT2 (bx)	Frame, T2 Tegular (1" T-Bar)	✓	✓	✓				
	AC-TFMSG (ea)	Minimum Security Grill	✓	✓	✓				
	AC-STRSR (bx)	Square to Round Frame				✓			
	AC-STRAL (ea)	Round Air Lifter				✓			
	AC-TKHD (bx)	Frame, Hard Ceiling					✓	✓	✓
	AC-TK20 (bx)	Frame, 20" x 20"					✓	✓	✓
	AC-TK500 (bx)	Frame, 500mm x 500mm					✓	✓	✓
	AC-TK24 (bx)	Frame, 24" x 24"					✓	✓	✓
	AC-TK600 (bx)	Frame, 600mm x 600mm					✓	✓	✓
	AC-TKT1 (ea)	Frame, T1 Tegular (9/16" T-Bar)					✓	✓	✓
	AC-TKT2 (ea)	Frame, T2 Tegular (1" T-Bar)					✓	✓	✓
	AC-TK14 (bx)	Frame, 600mm x 600mm T1 Tegular (14mm T-Bar)					✓	✓	✓
	AC-TK25 (bx)	Frame, 600mm x 600 mm T2 Tegular (25mm T-Bar)					✓	✓	✓

Notes:

SHT1 and SHT2 Required for TFT1 And TFT2 frames. See Ceiling Approaches Form 10.3.

# M-Series: Linear Slot Diffusers



## Basic Models

### Linear Slot Diffusers

Product Information Description: Linear Slot Motorized VAV Diffusers

Model	Type	Length															
		24				36				48				60			
		Slots		Blow		Slots		Blow		Slots		Blow		Slots		Blow	
ML	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ML	S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ML	D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

### "Continuous Look" Slot Diffuser

Product Information Description: "Continuous Look" Linear Slot Motorized VAV Diffusers

Model	Type	Length															
		24				36				48				60			
		Slots		Blow		Slots		Blow		Slots		Blow		Slots		Blow	
MLC	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MLC	S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MLC	D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

### Sidewall Linear Slot Diffuser

Product Information Description: Sidewall Linear Slot Motorized VAV Diffusers

Model	Type	Length															
		24				36				48				60			
		Slots		Blow		Slots		Blow		Slots		Blow		Slots		Blow	
MLW	M	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓
MLW	S	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓
MLW	D	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓

### "Continuous Look" Sidewall Linear Slot Diffuser

Product Information Description: "Continuous Look" Sidewall Linear Slot Motorized VAV Diffusers

Model	Type	Length															
		24				36				48				60			
		Slots		Blow		Slots		Blow		Slots		Blow		Slots		Blow	
MLWC	M	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓
MLWC	S	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓
MLWC	D	✓	✓		✓	✓	✓		✓	✓	✓		✓	✓	✓		✓

- Notes:
- All Master diffusers require Adjuster-M.
  - Master and Secondary/Slave units are the same except for Cables.
  - All M-Series Master and Slave diffusers require Cable-MM.

# M-Series: Linear Slot Diffusers

## Options and Accessories

Option Type		Option Description	M-Series Available on Models							
			ML	MLC	MLW	MLWC				
Inlet Location	S	Inlet, Standard	✓	✓	✓	✓				
	O	Inlet, Opposite	✓	✓	ⓘ	ⓘ				
	R	Inlet, Rectangular	✓	✓	✓	✓				
Low Boot	10"H	10" Plenum/Low Boot	✓	✓	✓	✓				
Wall Adjuster	Adj-M	Motorized Wall Adjuster	✓	✓	✓	✓				
	Adapter Plate	Adapter Plate	✓	✓	✓	✓				
	DMA	Mount Adj-M on attic side of diffuser	✓	✓	✓	✓				
	Cable-MM	Cable-MM	✓	✓	✓	✓				
	Cable-MS	Cable-MS	✓	✓	✓	✓				
Insulation	I	Insulation Attic side	✓	✓	✓	✓				
RT Sensor	3PS	3rd Party Sensor mounted in diffuser	✓	✓	✓	✓				
	AS	Acutherm Sensor mounted in diffuser	✓	✓	✓	✓				
Frames	AC-TL-HCF (ea)	Frame, Hard Ceiling	✓							
	AC-TL-TEG1 (ea)	Frame, Reveal	✓							
	AC-TEGEND (ea)	Reveal End Angle	✓							
	AC-MPEND (set)	Thin Tile End Angle	✓							
	AC-END (set)	End Angle		✓		✓				
	AC-CORNER (ea)	Corner (1 and 2 way)		✓		✓				
	AC-CORNER-4 (ea)	Corner (4 way)		✓		✓				

Notes:



Inlet O

Contact Acutherm for more information about Opposite inlets on sidewall diffusers.



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