



# Air Control Products, Inc.

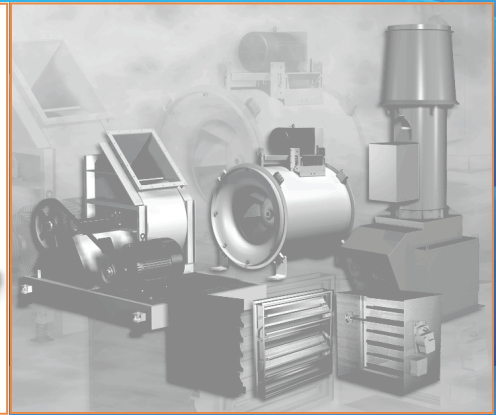
## Stock Catalog 2015



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- H. All cartons/merchandise must be inspected and any damage claim must be reported within 48 hours of delivery.

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**Spiral Pipe, Fittings & Accessories**

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### Pipe, Fittings & Sealant

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We Accept:



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### Duct Smoke Detectors

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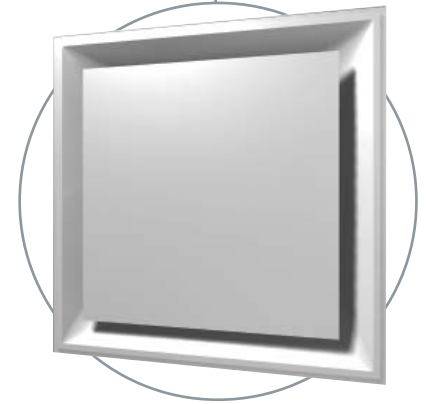
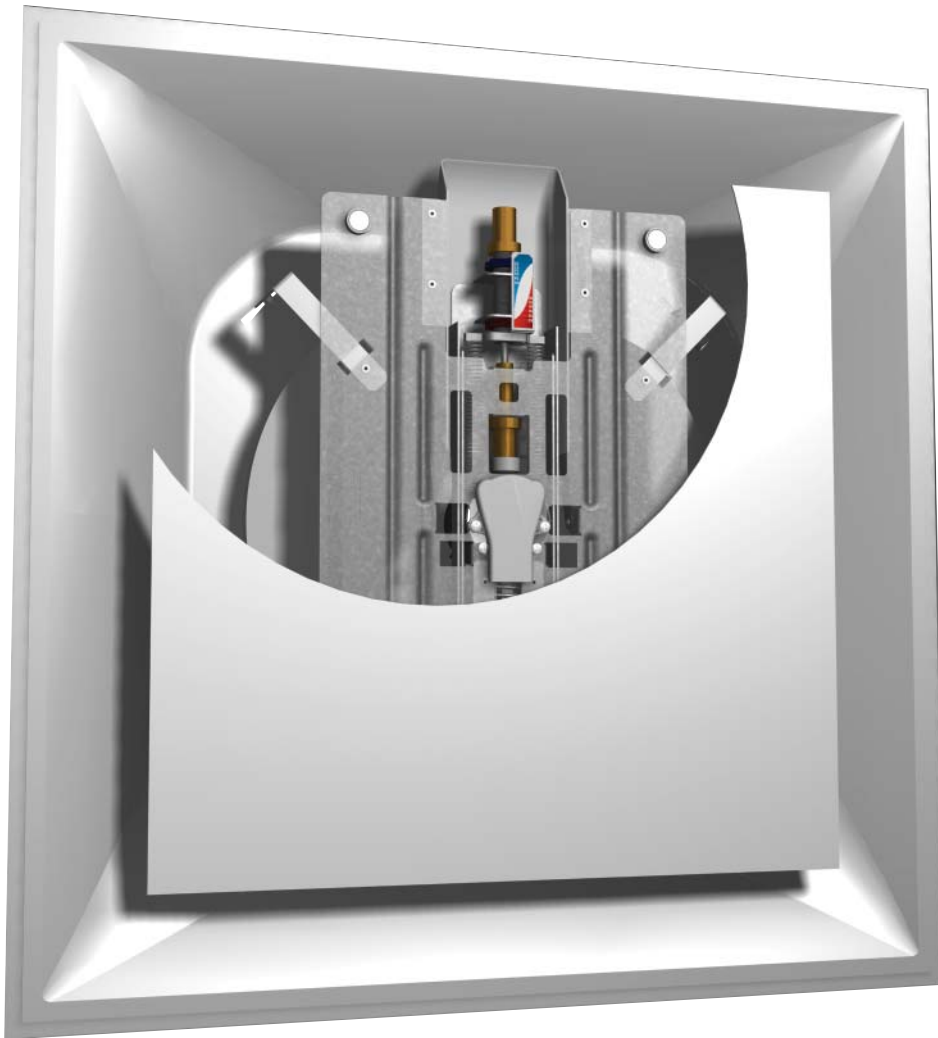
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THERMALLY  
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## ACHIEVE PERSONAL COMFORT

The Price Varitherm® is the most advanced thermally powered VAV diffuser available in the industry today. Using thermal actuators, the Varitherm® provides superior occupant comfort and control by effectively regulating the supply of conditioned air to the space without the use of electric or pneumatic controls.

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- ▶ Room side access of all control adjustments
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- ▶ ARI certified data
- ▶ Heating and cooling, or cooling only models

## Square Ceiling Diffusers

### Model SCD-Square Cone Diffuser



- *Construction: Steel*
- *Finish: White*
- *Cones: One piece die-formed with smooth, aerodynamically designed surfaces and no corner joints. All sizes are available with (3) concentric cones.*
- *Optional fourth cone available in 24" x 24" only.*

ACP Part Number	Inlet Size	Face Size	Cle	Col	Tol
SCD12126	6"	12 x 12	•	•	•
SCD12128	8"	12 x 12	•	•	•
SCD24246	6"	24 x 24	•	•	•
SCD24248	8"	24 x 24	•	•	•
SCD242410	10"	24 x 24	•	•	•
SCD242412	12"	24 x 24	•	•	•
SCD242414	14"	24 x 24	•	•	•
SCD242415	15"	24 x 24	•	•	•
SCDCONE	4 <sup>th</sup> Cone for SCD 24x24		•		

### Model SCDA -Square Cone Diffuser Adjustable



- *Construction: Steel*
- *Finish: White*
- *SCDA includes adjustable pattern controllers to provide either a horizontal or vertical air pattern for heating and cooling applications.*
- *Cones: One piece die-formed with smooth, aerodynamically designed surfaces and no corner joints. All sizes are available with (3) concentric cones.*
- *Optional fourth cone available in 24" x 24" only.*

ACP Part Number	Inlet Size	Frame	Face Size	Cle	Col	Tol
SCDA24246	6"	Type 31 Lay-In	12 x 12	•		
SCDA24248	8"	Type 31 Lay-In	12 x 12	•		
SCDA242410	10"	Type 31 Lay-In	24 x 24	•		
SCDA242412	12"	Type 31 Lay-In	24 x 24	•		

## Square Ceiling Diffusers

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### Model SPD-Square Plaque Diffuser



- *Construction: Steel*
- *Finish: White*
- *Face panel has smooth edges and rounded off corners to blend with back cone.*
- *Back cone is one-piece die-formed with smooth surfaces and no corner joints. Helps prevent ceiling smudging.*
- *The back cone shape combines with the face panel to delivery a tight 360 degree radial horizontal air pattern.*

ACP Part Number	Inlet Size	Frame	Face Size	Cle	Col	Tol
SPD12126	6"	Type 31 Lay-In	12 x 12	•	•	
SPD12128	8"	Type 31 Lay-In	12 x 12	•	•	
SPD24246	6"	Type 31 Lay-In	24 x 24	•	•	•
SPD24248	8"	Type 31 Lay-In	24 x 24	•	•	•
SPD242410	10"	Type 31 Lay-In	24 x 24	•	•	•
SPD242412	12"	Type 31 Lay-In	24 x 24	•	•	•
SPD242414	14"	Type 31 Lay-In	24 x 24	•	•	
SPD1212Baffle		Baffle for SPD	12 x 12	•		
SPD2424Baffle		Baffle for SPD	24 x 24	•		



## Square Ceiling Diffusers

### Model SMD-Louvered Face Directional Diffuser

- *Construction: Steel    Finish: White*
- *Directional core is easily removable at the diffuser face without requiring special tools.*
- *Optional square to round neck adaptors available.*

#### Frame Style: Surface Mounted - Bevelled

ACP Part Number	Inlet Size	Air Pattern	Cle	Col	Tol
SMD61S66	6 x 6	1 Way	●		
SMD62S66	6 x 6	2 Way	●		
SMD62G66	6 x 6	2 Way Corner	●		
SMD63A66	6 x 6	3 Way	●		
SMD64A66	6 x 6	4 Way	●		
SMD61S99	9 x 9	1 Way	●		
SMD62S99	9 x 9	2 Way	●		
SMD62G99	9 x 9	2 Way Corner	●		
SMD63A99	9 x 9	3 Way	●		
SMD64A99	9 x 9	4 Way	●		
SMD61A1212	12 x 12	1 Way	●		
SMD62S1212	12 x 12	2 Way	●		
SMD62G1212	12 x 12	2 Way Corner	●		
SMD63A1212	12 x 12	3 Way	●		
SMD64A1212	12 x 12	4 Way	●		
SMD64A1515	15 x 15	4 Way	●		
SMD64A1818	18 x 18	4 Way	●		



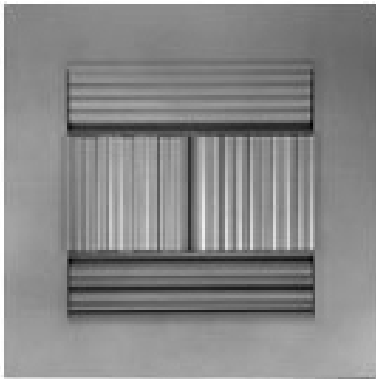
#### Frame Style: Lay In Inverted T-Bar

ACP Part Number	Inlet Size	Face Size	Air Pattern	Cle	Col	Tol
SMD3P1A66	6 x 6	24 x 24	1 Way	●		
SMD3P2S66	6 x 6	24 x 24	2 Way	●		
SMD3P2G66	6 x 6	24 x 24	2 Way Corner	●		
SMD3P3A66	6 x 6	24 x 24	3 Way	●		
SMD3P4A66	6 x 6	24 x 24	4 Way	●		
SMD3P1S99	9 x 9	24 x 24	1 Way	●		
SMD3P2S99	9 x 9	24 x 24	2 Way	●		
SMD3P2G99	9 x 9	24 x 24	2 Way Corner	●		
SMD3P3A99	9 x 9	24 x 24	3 Way	●		
SMD3P4A99	9 x 9	24 x 24	4 Way	●		
SMD3P1S1212	12 x 12	24 x 24	1 Way	●		
SMD3P2S1212	12 x 12	24 x 24	2 Way	●		
SMD3P2G1212	12 x 12	24 x 24	2 Way Corner	●		
SMD3P3A1212	12 x 12	24 x 24	3 Way	●		
SMD3P4A1212	12 x 12	24 x 24	4 Way	●		
SMD3P4A1515	15 x 15	24 x 24	4 Way	●		
SMD3P4A1818	18 x 18	24 x 24	4 Way	●		

## Square/Round Ceiling Diffusers

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### Model SCVD-Curved Vane Diffuser



- *Construction: Formed Steel Construction*
- *Finish: White*
- *Damper: VCS3 Opposed blade damper*
- *Curved vanes are individually adjustable from the grille face.*

ACP Part Number	Inlet Size	Frame	Cle	Col	Tol
SCVD366	6 x 6	Surface	●		
SCVD388	8 x 8	Surface	●		
SCVD31010	10 x 10	Surface	●		
SCVD31212	12 x 12	Surface	●		
SCVD31414	14 x 14	Surface	●		

### Model RCDE-Round Cone Diffuser



- *Construction: Steel*
- *Finish: White*
- *Two horizontal discharge settings for different flow rate conditions.*
- *Deeply contoured outer cone prevents smudging.*

ACP Part Number	Inlet Size	Cle	Col	Tol
RCDE6	6"	●	●	
RCDE8	8"	●	●	
RCDE10	10"	●	●	
RCDE12	12"	●	●	

## Auer Registers

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### Model #16

▀ *Round Ceiling Diffusers*



ACP Part Number	Size	Cle	Col	Tol
1606	6"	•		
1608	8"	•		

### Model #12B

▀ *Round Damper w/Ring*



ACP Part Number	Size	Cle	Col	Tol
12B06D	6"	•		
12B08D	8"	•		

### Model #3800

▀ *Damper without Ring*



ACP Part Number	Size	Cle	Col	Tol
3806	6"	•		
3808	8"	•		
3810	10"	•		

# Perforated Diffusers

## Model PDF/3 Perforated Supply Diffuser



- *Construction: Steel construction*
- *Finish: White*
- *Louvered air pattern controllers are located on the diffuser face and are field adjustable to the desired air pattern.*
- *Hinged, removable perforated faceplate with quick release spring latches.*

ACP Part Number	Inlet Size	Frame	Face Size	Air Pattern	Cle	Col	Tol
PDF36	6"	Type 3 Lay-In	24 x 24	4-Way	•	•	
PDF38	8"	Type 3 Lay-In	24 x 24	4-Way	•	•	
PDF310	10"	Type 3 Lay-In	24 x 24	4-Way	•	•	
PDF312	12"	Type 3 Lay-In	24 x 24	4-Way	•	•	
PDF314	14"	Type 3 Lay-In	24 x 24	4-Way	•	•	

## Model PDC Perforated Supply Diffuser

### Individually Adjustable Curved Blades



- *Construction: Steel construction*
- *Finish: White*
- *Individually pivoting curved blades are located at the inlet neck and are field adjustable from horizontal to vertical air pattern.*
- *Hinged, removable perforated faceplate with quick release spring latches.*

ACP Part Number	Inlet Size	Frame	Face Size	Air Pattern	Cle	Col	Tol
PDC36	6"	Type 3 Lay-In	24 x 24	4-Way	•		
PDC38	8"	Type 3 Lay-In	24 x 24	4-Way	•		
PDC310	10"	Type 3 Lay-In	24 x 24	4-Way	•		
PDC312	12"	Type 3 Lay-In	24 x 24	4-Way	•		
PDC314	14"	Type 3 Lay-In	24 x 24	4-Way	•		

## Perforated Diffusers

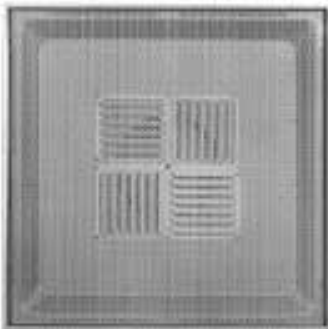


### Model PDDR/3 Perforated Return Diffuser

- *Construction: Steel construction with an aluminum face*
- *Finish: White*
- *Hinged, removable perforated faceplate with quick release spring latches.*

ACP Part Number	Inlet Size	Frame	Face Size	Cle	Col	Tol
PDDR36	6"	Type 3 Lay-In	24 x 24	•	•	
PDDR38	8"	Type 3 Lay-In	24 x 24	•	•	
PDDR310	10"	Type 3 Lay-In	24 x 24	•	•	
PDDR312	12"	Type 3 Lay-In	24 x 24	•	•	
PDDR314	14"	Type 3 Lay-In	24 x 24	•	•	
PDDR32210	22 x 10	Type 3 Lay-In	24 x 12	•	•	
PDDR32222	22 x 22	Type 3 Lay-In	24 x 24	•	•	

### Model PDMC/3 Modular Core Diffuser



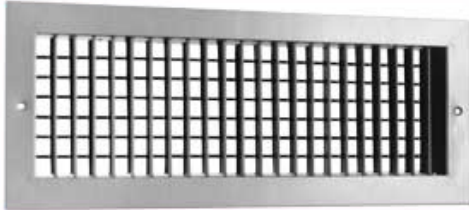
- *Construction: Steel construction*
- *Finish: White*
- *Perforated face panel has 3/16" diameter holes staggered 1/4" on center.*
- *Four louvered air pattern modules are located at the neck and can be easily repositioned in the field without tools.*

ACP Part Number	Inlet Size	Frame	Face Size	Air Pattern	Cle	Col	Tol
PDMC388	8 x 8	Type 3 Lay-In	24 x 24	4-Way	•		
PDMC31212	12 x 12	Type 3 Lay-In	24 x 24	4-Way	•		
PDMC31818	18 x 18	Type 3 Lay-In	24 x 24	4-Way	•		



# Grilles & Registers

## Model 520D-Double Deflection Louvered Supply Register with Damper

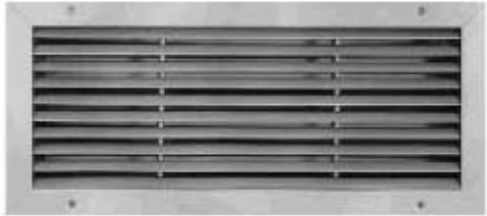


- *Construction: Steel*
- *Finish: White*
- *Blade Spacing: 3/4"*
- *Mounting: Surface Frame*
- *Countersunk screw holes with oval head screws.*

ACP Part Number	Size	Cle	Col	Tol
520D66	6 x 6	•	•	
520D84	8 x 4	•	•	
520D86	8 x 6	•	•	
520D88	8 x 8	•	•	
520D104	10 x 4	•	•	
520D106	10 x 6	•	•	
520D108	10 x 8	•	•	
520D1010	10 x 10	•	•	
520D124	12 x 4	•	•	
520D126	12 x 6	•	•	•
520D128	12 x 8	•	•	
520D1210	12 x 10	•	•	
520D1212	12 x 12	•	•	
520D144	14 x 4	•	•	
520D146	14 x 6	•	•	
520D148	14 x 8	•	•	•
520D1410	14 x 10	•	•	
520D1412	14 x 12	•	•	
520D1414	14 x 14	•	•	
520D164	16 x 4	•	•	
520D166	16 x 6	•	•	
520D168	16 x 8	•	•	•
520D1610	16 x 10	•	•	
520D1612	16 x 12	•	•	
520D184	18 x 4	•	•	

ACP Part Number	Size	Cle	Col	Tol
520D186	18 x 6	•	•	
520D188	18 x 8	•	•	
520D1810	18 x 10	•	•	
520D1812	18 x 12	•	•	•
520D204	20 x 4	•	•	
520D206	20 x 6	•	•	
520D208	20 x 8	•	•	
520D2010	20 x 10	•	•	
520D2012	20 x 12	•	•	
520D244	24 x 4	•	•	
520D246	24 x 6	•	•	
520D248	24 x 8	•	•	
520D2410	24 x 10	•	•	
520D2412	24 x 12	•	•	•
520D2414	24 x 14	•	•	
520D2418	24 x 18	•	•	
520D304	30 x 4	•	•	
520D306	30 x 6	•	•	
520D308	30 x 8	•	•	
520D3010	30 x 10	•	•	
520D3012	30 x 12	•	•	
520D364	36 x 4	•	•	
520D366	36 x 6	•	•	
520D368	36 x 8	•	•	
520D3610	36 x 10	•	•	
520D3612	36 x 12	•	•	

## Grilles & Registers



### Model 530-Louvered Return Grille

- *Construction: Steel*
- *Finish: White*
- *Blade Spacing: 3/4" - fixed louvers - 45 degree deflection*
- *Countersunk screw holes with oval head screws on surface mounted grilles.*

ACP Part Number	Size	Frame	Cle	Col	Tol	ACP Part Number	Size	Frame	Cle	Col	Tol
53066	6 x 6	Surface	●	●	●	530208	20 x 8	Surface	●	●	
53084	8 x 4	Surface	●	●		5302010	20 x 10	Surface	●	●	
53086	8 x 6	Surface	●	●		5302012	20 x 12	Surface	●	●	
53088	8 x 8	Surface	●	●	●	5302018	20 x 18	Surface	●	●	
530106	10 x 6	Surface	●	●		5302020	20 x 20	Surface	●	●	
530108	10 x 8	Surface	●	●		530226LI	22 x 6	Lay In	●	●	●
5301010	10 x 10	Surface	●	●	●	5302210LI	22 x 10	Lay In	●	●	●
5301010LI	10 x 10	Lay-in -NSH	●	●		5302222LI	22 x 22	Lay In	●	●	●
530126	12 x 6	Surface	●	●		530248	24 x 8	Surface	●	●	
530128	12 x 8	Surface	●	●		5302410	24 x 10	Surface	●	●	
5301210	12 x 10	Surface	●	●		5302414	24 x 12	Surface	●	●	
5301212	12 x 12	Surface	●	●	●	5302414	24 x 14	Surface	●	●	
530146	14 x 6	Surface	●	●		5302416	24 x 16	Surface	●	●	
530148	14 x 8	Surface	●	●		5302418	24 x 18	Surface	●	●	
5301410	14 x 10	Surface	●	●		5302420	24 x 20	Surface	●	●	
5301412	14 x 12	Surface	●	●		5302424	24 x 24	Surface	●	●	
5301414	14 x 14	Surface	●	●		530308	30 x 8	Surface	●	●	
530166	16 x 6	Surface	●	●		5303010	30 x 10	Surface	●	●	
530168	16 x 8	Surface	●	●		5303012	30 x 12	Surface	●	●	
5301610	16 x 10	Surface	●	●		5303018	30 x 18	Surface	●	●	
5301612	16 x 12	Surface	●	●		5303020	30 x 20	Surface	●	●	
5301614	16 x 14	Surface	●	●		5303024	30 x 24	Surface	●	●	
5301616	16 x 16	Surface	●	●		5303030	30 x 30	Surface	●	●	
530186	18 x 6	Surface	●	●		5303610	36 x 10	Surface	●	●	
530188	18 x 8	Surface	●	●		5303612	36 x 12	Surface	●	●	
5301810	18 x 10	Surface	●	●		5303614	36 x 14	Surface	●	●	
5301812	18 x 12	Surface	●	●		5303618	36 x 18	Surface	●	●	
5301814	18 x 14	Surface	●	●		5303620	36 x 20	Surface	●	●	
5301816	18 x 16	Surface	●	●		5303624	36 x 24	Surface	●	●	
5301818	18 x 18	Surface	●	●		5303630	36 x 30	Surface	●	●	
530206	20 x 6	Surface	●	●		5304622LI	46 x 22	Lay In	●	●	

## Grilles & Registers

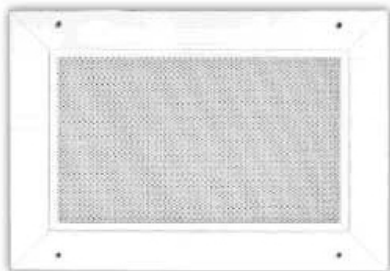
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### Model 530FF-Louvered Face Filter Return Grille

- *Construction: Steel*
- *Finish: White*
- *Blade Spacing: 3/4" - 45 degree deflection*
- *Accepts 1" - 20 x 20 filter*
- *Hinged tab mechanism with 1/4 turn quick-release fasteners.*

ACP Part Number	Size	Frame	Cle	Col	Tol
5302424FF	24 x 24	Lay-In	●	●	



### Model 10-Perforated Face Return Grille

- *Construction: Steel core with extruded aluminum borders*
- *Finish: White*
- *Core free area of approximately 50%.*

ACP Part Number	Inlet Size	Frame	Cle	Col	Tol
102210	22 x 10	Lay-In	●		
1066	6 x 6	Surface	●		
1088	8 x 8	Surface	●		
101010	10 x 10	Surface	●		
101212	12 x 12	Surface	●		



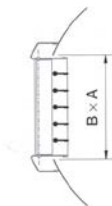
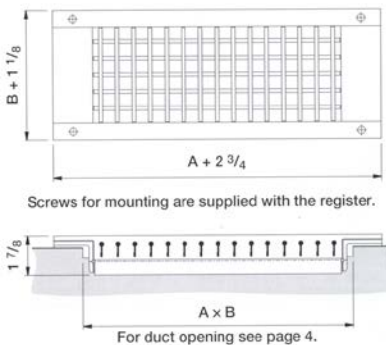
## Register for Spiral Duct

### **Model RGS-3**

➤ *RGS is a supply/return register with adjustable double deflection blades and a volume damper designed specifically for direct mounting on a spiral duct. The use of rectangular register taps are not required.*

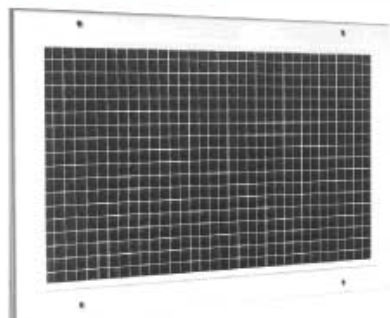
➤ *The register is designed in such a way that the flanges always meet flush to the duct regardless of the duct diameter. It also comes equipped with end caps and a gasketing material installed around the neck of the register to prevent air leakage.*

➤ *RGS is manufactured from galvanized sheet metal and is assembled without the use of welding. This allows the register to be used without further surface treatment and gives it the same finish as the duct.*



ACP Part Number	Size	Min. duct Diameter (in)	Free Area (ft <sup>2</sup> )	Duct Opening A X B (in)	Weight (lbs.)	Cle	Col	Tol
RGS133	13 x 3	6	0.18	12 3/4 x 3	2.4	●	●	
RGS173	17 x 3	6	0.25	16 3/4 x 3	3.1	●	●	
RGS136	13 x 6	12	0.36	12 3/4 x 6	3.1	●	●	
RGS176	17 x 6	12	0.48	16 3/4 x 6	4.2	●	●	
RGS216	21 x 6	12	0.60	20 5/8 x 6	5.1	●	●	
RGS256	25 x 6	12	0.73	24 5/8 x 6	5.7	●	●	
RGS336	33 x 6	12	1	32 1/2 x 6	7.7	●	●	

## Grilles & Accessories



### Model 80-Eggcrate Face Return Grille

- *Construction: 1/2" x 1/2" x 1/2" aluminum grid core, extruded aluminum frames*
- *Finish: White*
- *Countersunk screw holes with oval head screws.*

ACP Part Number	Inlet Size	Frame	Cle	Col	Tol
8066	6 x 6	Surface	•	•	•
8088	8 x 8	Surface	•	•	•
801010	10 x 10	Surface	•	•	•
801010LI	10 x 10	Lay- In	•	•	
801212	12 x 12	Surface	•	•	•
801414	14 x 14	Surface		•	
80224	22 x 4	Surface		•	•
80226	22 x 6	Lay In	•	•	•
802210	22 x 10	Lay In	•	•	•
802222	22 x 22	Lay In	•	•	•
802424	24 x 24	Surface		•	
802424FF	24 x 24	Lay in	•	•	
804622LI	46 x 22	Lay In	•	•	
804824TB	48 x 24	T-Bar			

### Model VCR9 Radial Shutter Damper

ACP Part Number	Size	Cle	Col	Tol
VCR96	6"	•	•	•
VCR98	8"	•	•	•
VCR910	10"	•	•	•
VCR912	12"	•	•	•
VCR914	14"	•	•	

### Model PFRF -Perforated Return Panel

ACP Part Number	Size	Cle	Col	Tol
PFRF2412	24 x 12	•		
PFRF2424	24 x 24	•		

### Surface Mount Adaptor Frame

ACP Part Number	Size	Cle	Col	Tol
AMF1212	12 x 12	•	•	
AMF2412	24 x 12	•	•	
AMF2424	24 x 24	•	•	
SPF1212	12 x 12			•
SPF2424	24 x 24			•

### Model VCS3 Opposed Blade Damper

ACP Part Number	Size	Cle	Col	Tol
VCS366	6 x 6	•	•	
VCS388	8 x 8	•	•	
VCS399	9 x 9	•		
VCS31010	10 x 10	•	•	
VCS31212	12 x 12	•	•	
VCS31414	14 x 14	•	•	
VCS31515	15 x 15	•		
VCS31818	18 x 18	•	•	
VCS32210	22 x 10	•	•	
VCS32222	22 x 22	•	•	
VCS32414	24 x 12	•	•	

### Round Equalizing Grids

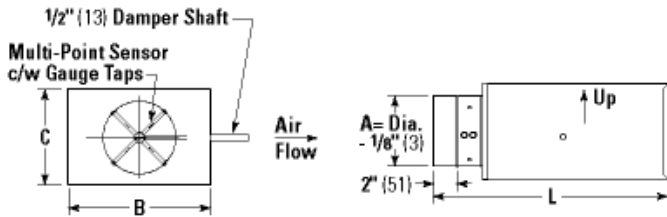
ACP Part Number	Inlet Size	Cle	Col	Tol
EGR6	6"	•	•	
EGR8	8"	•	•	
EGR10	10"	•	•	
EGR12	12"	•	•	
EGR14	14"	•	•	



## VAV Boxes

### Model SDV Single Duct Terminal Unit - Bare Box

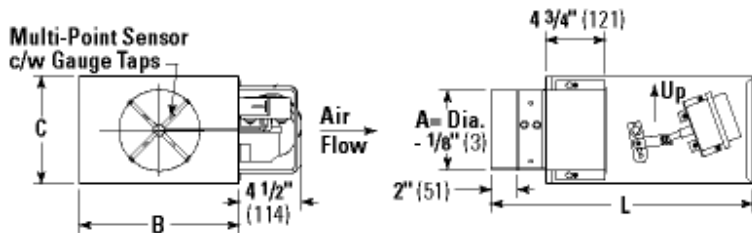
- Hospital Grade **FIBER FREE LINING**
- 22 Ga. zinc coated steel housing, mechanically sealed and gasketed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Control Enclosure
- 115-24 Volt transformers
- Actuator & controls by others



ACP Part Number	Inlet Size (A)	Cle	Col	Tol
SDV56	6"	●		●
SDV58	8"	●		●
SDV510	10"	●		●
SDV512	12"	●		●
SDV514	14"	●		●
SDV516	16"	●		
SDV52416	24 x 16	●		

### Model SPV Single Duct Terminal Unit with Pneumatic Controls

- Hospital Grade **FIBER FREE LINING**
- 22 Ga. zinc coated steel housing, mechanically sealed and gasketed, leak resistant construction.
- Rectangular discharge opening with slip and drive cleat duct connection.
- Control assembly will be supplied as illustrated on right hand side.
- Gauge taps are standard.
- Pneumatic actuator supplied & mounted by Price.



ACP Part Number	Inlet Size (A)	Cle	Col	Tol
SPV86	6"	●		
SPV88	8"	●		
SPV810	10"	●		
SPV812	12"	●		
SPV814	14"	●		
SPV816	16"	●		
SPV82416	24 x 16	●		

### **DIMENSIONAL DATA**

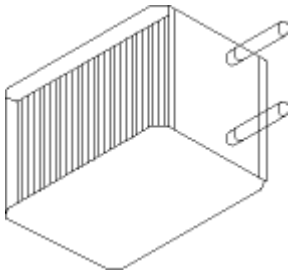
Unit Size	CFM Range	Imperial Units (inches)			
		Outlet		Inlet	Length
		B	C	A	L
6"	0-450	12	8	6	20 1/8
8"	0-800	12	10	8	20 1/8
10"	0-1350	14	12 1/2	10	20 1/8
12"	0-2100	16	15	12	20 1/8
14"	0-3000	20	17 1/2	14	23 5/8
16"	0-4000	24	18	16	23 5/8



## VAV Accessories

### 2 Row Hot Water Coil

- Fabricated from 22 ga. galvanized steel, mechanically sealed
- Leak resistant construction
- Standard coils supplied with 10 fins per inch.
- Performance rated and certified in accordance with the current edition of ARI standard 410.



ACP Part Number	VAV Box Size	Imperial Units (Inches)		Cle	Col	Tol
		B	C			
2RCOIL6	6"	12	8	●		●
2RCOIL8	8"	12	10	●		●
2RCOIL10	10"	14	12 1/2	●		●
2RCOIL12	12"	16	15	●		●
2RCOIL14	14"	20	17 1/2	●		●
2RCOIL16	16"	24	18	●		
2RCOIL2416	24 X16	24	16	●		

### Model CP101 Pneumatic Controller

*Provides maximum versatility. Accommodates direct and reverse acting thermostats, and either normally open or normally closed damper positions. Reset start point and span are adjustable. Maintains a constant reset span regardless of minimum and maximum settings.*



ACP Part Number	Model	Cle	Col	Tol
CP101	CP101	●		

### Actuator

- Metal body to meet local codes for ceiling plenum applications.
- Actuator body can be rotated 360 degrees for positioning air connection.
- Slotted shaft allows direct connection to VAV damper linkage.
- For use in proportional or two position application.

ACP Part Number	Model	Cle	Col	Tol
MCP8031	MCP 8031-3102	●		

## Motor Operated Round Dampers

### Model RDV – Round VVT, VAV and Shut Off Damper

- *Retrofit/Round/VAV*
- *General exhaust of non-corrosive room air*
- *Removable flow sensor*
- *Duct and damper constructed of 22 ga zinc-coated steel, mechanically fastened.*
- *Stocked without controls or actuators*

ACP Part Number	Inlet Size	Cle	Col	Tol
RDV56	6"	•		
RDV58	8"	•		
RDV510	10"	•		
RDV512	12"	•		
RDV514	14"	•		



### Spring Return Round Dampers

- *24 Volt Actuator*
- *110 Volt Actuator*
- *14" & 16" Dampers only available with 24 Volt Hi Torque Motor*
- *3 Year Factory Warranty*

ACP Part Number	Inlet Size	Cle	Col	Tol
SPRD1106	6"Ø damper with 110V Motor	•		
SPRD1108	8"Ø damper with 110V Motor	•		
SPRD11010	10"Ø damper with 110V Motor	•		
SPRD11012	12"Ø damper with 110V Motor	•		
NSPRD0246	6"Ø damper with 24V Motor	•		
NSPRD0248	8"Ø damper with 24V Motor	•		
NSPRD02410	10"Ø damper with 24V Motor	•		
NSPRD02412	12"Ø damper with 24V Motor	•		
SRHT02414	14"Ø damper with 24V Hi-Torque Motor	•		
SRHT02416	16"Ø damper with 24V Hi-Torque Motor	•		

## Price/Donco Slot Diffusers

### DCD Series-2 Slot Diffuser

- 24 Gauge galvanized steel – Tee Bars are white
- All exposed surfaces painted flat black
- Aluminum vanes with felt seals are fully adjustable from the face for left, right, or vertical throw.
- Designed for variable or constant volume systems, heating or cooling.

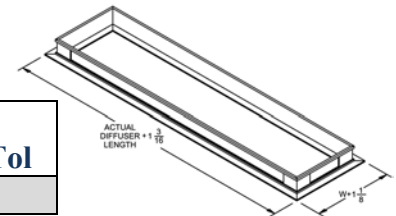


ACP Part Number	Neck Size	Length/Slot	Slot Width	Cle	Col	Tol
DCD246	6"	24" 2 Slot	1"	●		
DCD486	6"	48" 2 Slot	1"	●		
DCD488	8"	48" 2 Slot	1"	●		
DCD4810	10"	48" 2 Slot	1"	●		

### Surface Mount Frame

- For use with the DCD Series 48" long diffusers.

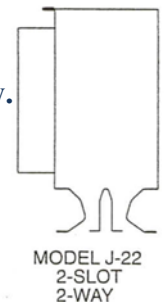
ACP Part Number	Length/Slot	Description	Cle	Col	Tol
TBF48	48" 2 Slot	TB Surface Mount Frame	●		



### J Series- Slot Diffuser

- 24 gauge galvanized steel – All exposed surfaces have white enamel finish.
- Fixed vane provides a draftless air pattern over the pattern over the full range of flow.
- Lower flanges provide tile support as an integral part of the diffuser housing.

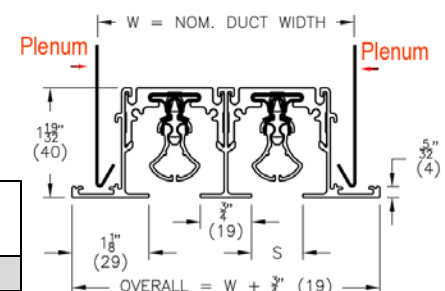
ACP Part Number	Neck Size	Length / Slot	Slots Width	Cle	Col	Tol
J22246	6"	24" 2 Slot	1"	●		
J22248	8"	24" 2 Slot	1"	●		
J222410	10"	24" 2 Slot	1"	●		



### SDS Series- Linear Slot Diffuser

- Type 2 Surface Mounted
- 1" Slot
- 180° air pattern adjustable and complete flow rate control with stable horizontal air pattern.

ACP Part Number	Neck Size	Length / Slot	Slots Width	Cle	Col	Tol
SDS100	48"	48" 2 Slot	1"	●		
Plenum	10"	2 Slot	1"	●		



## Varitherm Thermally Powered VAV Diffusers

### Features

- ▶ Individual VAV zone control
- ▶ Individual heating and cooling set points
- ▶ Balancing/force open mode
- ▶ Easy installation and balancing
- ▶ Easy adjustable minimum airflow
- ▶ Saves energy on existing & new systems
- ▶ Room side access of all control adjustments
- ▶ Low-pressure drop and quiet operation
- ▶ ARI certified data
- ▶ 10 Year Warranty

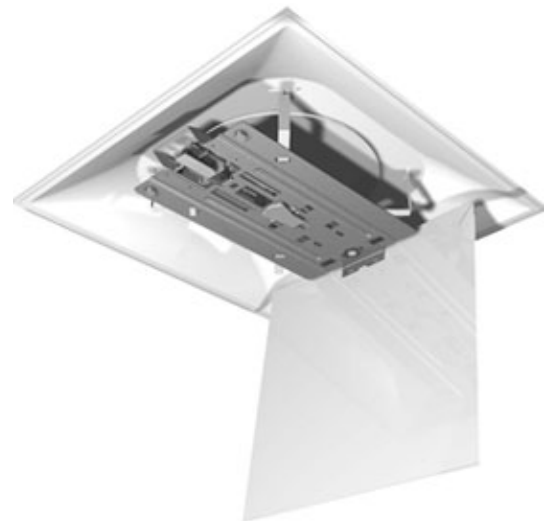
The Varitherm uses built in thermal actuators that monitor supply and room air temperature and adjust an integral damper to vary the flow of conditioned air to the space.

**Cost Effect:** The Varitherm provides energy savings and increased thermal comfort through the creation of smaller zones

**Retrofit:** The Varitherm is also available as retrofit to Prices popular SPD (square plaque diffuser) or SCD (square cone diffuser) to help with trouble zones .

### Optimal Control

The Varitherm VPD-HC senses when heating or cooling is required, and automatically adjusts itself to maintain control. To provide greater comfort year-round, the temperature set points for heating and cooling modes can be adjusted individually. With these features the diffuser responds to changes in heating/cooling demand with smooth and accurate transitions.



ACP Part Number	Model	Size	Description	Cle	Col	Tol
VPD24246	VPD-HC*	6"	24 x 24 Lay-In	●		
VPD24248	VPD-HC*	8"	24 x 24 Lay-In	●		
VPD242410	VPD-HC*	10"	24 x 24 Lay-In	●		
VPD242412	VPD-HC*	12"	24 x 24 Lay-In	●		
PRC6	PRC	6"	Pressure Relief Collar	●		
PRC8	PRC	8"	Pressure Relief Collar	●		
PRC10	PRC	10"	Pressure Relief Collar	●		
PRC12	PRC	12"	Pressure Relief Collar	●		

\*HC = Heating/Cooling



## SPIROSafe® SPIRAL PIPE

### Features

- ▶ *Less money - Better performance*
- ▶ *Double lipped, double-sealing gasket patented sealing system*
- ▶ *Slip components together & secure with sheet metal screws.*
- ▶ *No caulking - No taping*
- ▶ *Installs up to 30% faster than traditional ductwork*
- ▶ *Fully functional from -20°F to +212° F*
- ▶ *Paint Grip not required for field painting.*

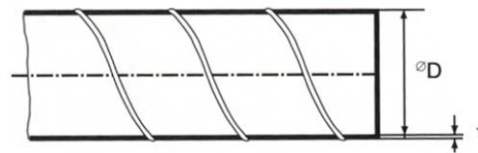


*Air Control Products, Inc. Cleveland Warehouse*

ACP Part Number	Size	Cle	Col	Tol
SR3	3"	●		
SR4	4"	●	●	●
SR5	5"	●		●
SR6	6"	●	●	●
SR7	7"	●		●
SR8	8"	●	●	●
SR9	9"	●		●
SR10	10"	●	●	●
SR12	12"	●	●	●
SR14	14"	●	●	●
SR16	16"	●	●	●
SR18	18"	●	●	●
SR20	20"	●	●	●
SR22	22"	●	●	●
SR24	24"	●	●	●
SR26	26"	●		●
SR28	28"	●		●
SR30	30"	●		●
SR32	32"	●		
SR36	36"	●		

Sold in 10' length sections

### TOLERANCES FOR SPIRAL PIPES



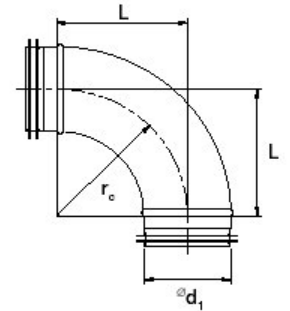
$\varnothing d$ (in)	$\varnothing d$ Tol (in) min - max	$t$ ga†	$\varnothing d$ (in)	$\varnothing d$ Tol (in) min - max	$t$ ga†
3*	2.950-2.969	26	14*	13.950-13.976	26
4*	3.950-3.969	26	16*	15.936-15.969	24
5*	4.950-4.969	26	18*	17.936-17.969	24
6*	5.950-5.969	26	20*	19.936-19.972	24
7*	6.950-6.972	26	22*	21.936-21.972	24
8*	7.950-7.972	26	24*	23.936-23.976	24
9*	8.950-8.972	26	26*	25.936-25.976	24
10*	9.950-9.976	26	28*	27.934-27.976	22
12*	11.950-11.976	26	30*	29.924-29.969	22

\*Standard Diameters \*Per latest SMACNA Standards

## 90° Elbows

### Model BSU 90° Elbow

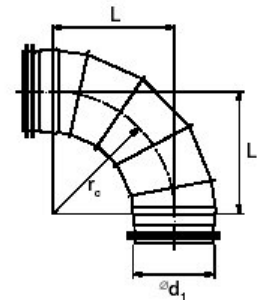
- ▶ Die stamped
- ▶ Continuously stitch welded
- ▶ Rolled edges
- ▶  $r_c \approx 1.5 \times d_1$



ACP Part Number	$\varnothing d_1$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
BSU903	3"	4 1/2	1.0	•		
BSU904	4"	6	1.4	•	•	•
BSU905	5"	7 1/2	1.8	•		
BSU906	6"	9	2.8	•	•	•
BSU907	7"	10 1/2	3.5	•		
BSU908	8"	12	5.0	•	•	•
BSU909	9"	13 1/2	8.2	•		
BSU9010	10"	15	10.3	•	•	•
BSU9012	12"	18	13.8	•	•	•

### Model BSFU 90° Elbow

- ▶ 5 gore standing seam
- ▶ Gore locked and internally sealed
- ▶  $r_c \approx 1.5 \times d_1$

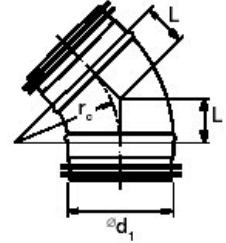


ACP Part Number	$\varnothing d_1$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
BSFU9014	14"	21	16.1	•	•	•
BSFU9016	16"	24	21.8	•	•	•
BSFU9018	18"	27	26.9	•	•	•
BSFU9020	20"	30	32.6	•	•	•
BSFU9022	22"	33	43.7	•	•	•
BSFU9024	24"	36	51.4	•	•	•
BSFU9026	26"	39	63.2	•		•
BSFU9028	28"	42	72.6	•		•
BSFU9030	30"	45	83.5	•		•

## 45° Elbows

### Model BSU 45° Elbow

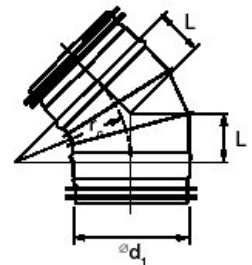
- ▶ Die stamped
- ▶ Continuously stitch welded
- ▶ Rolled edges
- ▶  $r_c \approx 1.5 \times d_1$



ACP Part Number	$\varnothing d_1$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
BSU453	3"	1 3/4	0.4	●		
BSU454	4"	2 1/2	0.7	●	●	●
BSU455	5"	3 1/8	0.9	●		
BSU456	6"	3 3/4	1.4	●	●	●
BSU457	7"	4 3/8	1.7	●		
BSU458	8"	5	2.5	●	●	●
BSU459	9"	5 1/8	4.1	●		
BSU4510	10"	5 3/4	5.1	●	●	●
BSU4512	12"	7	6.9	●	●	●

### Model BSFU 45° Elbow

- ▶ 3 gore standing seam
- ▶ Gore locked and internally sealed
- ▶  $r_c \approx 1.5 \times d_1$

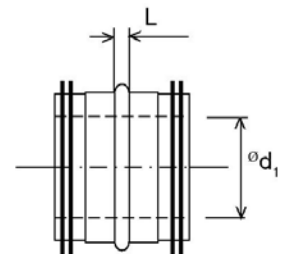


ACP Part Number	$\varnothing d_1$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
BSFU4514	14"	8 3/4	8.1	●	●	●
BSFU4516	16"	10	10.9	●	●	●
BSFU4518	18"	11 1/8	13.5	●	●	●
BSFU4520	20"	12 3/8	16.3	●	●	●
BSFU4522	22"	13 5/8	21.9	●	●	●
BSFU4524	24"	14 7/8	25.7	●	●	●
BSFU4526	26"	16 1/8	31.6	●		●
BSFU4528	28"	17 3/8	36.3	●		●
BSFU4530	30"	18 5/8	41.8	●		

## Couplings/Connectors

### Model NPU Coupling - Used for joining spiral duct

ACP Part Number	$\phi d_1$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
NPU3	3"	3/8	0.2	●		
NPU4	4"	3/8	0.2	●	●	●
NPU5	5"	3/8	0.4	●		●
NPU6	6"	3/8	0.4	●	●	●
NPU7	7"	3/8	0.7	●		●
NPU8	8"	3/8	0.7	●	●	●
NPU9	9"	3/8	0.9	●		●
NPU10	10"	3/8	1.1	●	●	●
NPU12	12"	3/8	1.3	●	●	●
NPU14	14"	3/8	1.5	●	●	●
NPU16	16"	3/8	2.9	●	●	●
NPU18	18"	3/8	3.2	●	●	●
NPU20	20"	3/8	3.6	●	●	●
NPU22	22"	1/2	4.0	●	●	●
NPU24	24"	1/2	4.2	●	●	●
NPU26	26"	1/2	4.5	●		●
NPU28	28"	5/8	6.0	●		●
NPU30	30"	5/8	7.5	●		●



### Model MF Connector - Used for joining fittings

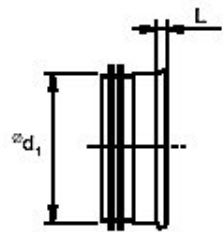
ACP Part Number	$\phi D$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
MF3	3"	3 5/8	0.2	●		
MF4	4"	3 5/8	0.2	●	●	●
MF5	5"	3 5/8	0.4	●		
MF6	6"	3 5/8	0.4	●	●	●
MF7	7"	3 5/8	0.7	●		
MF8	8"	3 5/8	0.7	●	●	●
MF9	9"	3 5/8	0.7	●		
MF10	10"	5 1/8	1.1	●	●	●
MF12	12"	5 1/8	1.3	●	●	●
MF14	14"	5 1/8	1.5	●	●	●
MF16	16"	6 5/8	2.9	●	●	●
MF18	18"	6 5/8	3.2	●	●	●
MF20	20"	6 5/8	3.6	●	●	●
MF22	22"	6 5/8	4.0	●	●	●
MF24	24"	6 5/8	4.3	●	●	●
MF26	26"	6 3/4	5.0	●		●
MF28	28"	8 5/8	6.0	●		●
MF30	30"	8 5/8	7.5	●		●



## End Caps & Tees

### Model ESU End Cap

► End cap for spiral duct

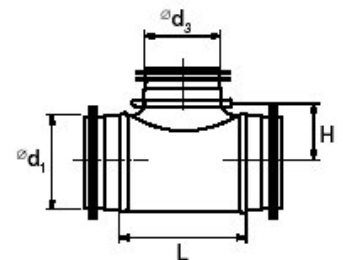


ACP Part Number		ød <sub>1</sub> (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
ESU3	*	3"	3/8	0.2	●		
ESU4		4"	3/8	0.2	●	●	●
ESU6		6"	3/8	0.2	●	●	●
ESU8		8"	3/8	0.7	●	●	●
ESU10		10"	3/8	1.3	●	●	●
ESU12		12"	3/8	1.7	●	●	●
ESU14	*	14"	3/8	2.6	●	●	●
ESU16	*	16"	3/8	2.8	●	●	●
ESU18	*	18"	3/8	3.9	●	●	●
ESU20	*	20"	3/8	3.9	●	●	●
ESU22	*	22"	1/2	4.8	●	●	●
ESU24	*	24"	1/2	5.9	●	●	●

\*Fabricated. Others die-stamped

### Model TCPU Tee

- 90° Straight tee
- Assembled tee with die-stamped or fabricated PSU



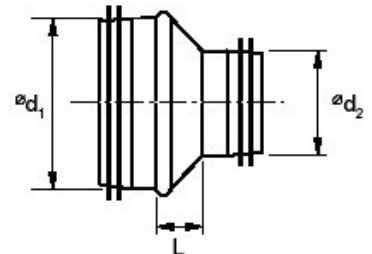
ACP Part Number	ød <sub>1</sub> (in)	ød <sub>3</sub> (in)	L (in)	H (in)	Weight (lbs.)	Cle	Col	Tol
TCPU444	4"	4"	6"	2 5/8	1.1	●	●	●
TCPU666	6"	6"	9"	4 1/8	2.1	●	●	●
TCPU888	8"	8"	11"	5	3.2	●	●	●
TCPU101010	10"	10"	13 3/4"	6	5.0	●	●	●
TCPU121212	12"	12"	15 3/8"	7 1/8	6.6	●	●	●

# Reducers

## Model RCU Reducer

↳ *Die stamped concentric reducers*

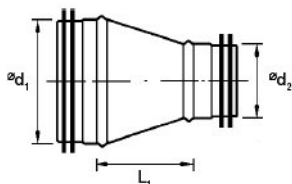
ACP Part Number		$\varnothing d_1$ (in)	$\varnothing d_2$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
RCU43	*	4"	3"	3/4	0.2	●		
RCU54		5"	4"	7/8	0.2	●		
RCU64		6"	4"	1 1/4	0.6	●	●	●
RCU65		6"	5"	3/4	0.4	●		
RCU76		7"	6"	1	0.7	●		
RCU84		8"	4"	2 1/4	0.9	●	●	●
RCU85		8"	5"	1 5/8	0.9	●		
RCU86		8"	6"	1 1/4	0.7	●	●	●
RCU87		8"	7"	3/4	0.7	●		
RCU98		9"	8"	1 1/8	0.9	●		
RCU106		10"	6"	2 1/4	1.0	●	●	●
RCU108		10"	8"	1 1/8	1.4	●	●	●
RCU109		10"	9"	5/8	1.6	●		
RCU128		12"	8"	2 1/8	1.5	●	●	●
RCU1210		12"	10"	1 1/8	1.5	●	●	●
RCU148	*	14"	8"	3 3/8	2.6	●	●	●
RCU1410	*	14"	10"	2 3/8	2.4	●	●	●
RCU1412	*	14"	12"	1 3/8	2.2	●	●	●
RCU168		16"	8"	3 7/8	3.0	●	●	●
RCU1610		16"	10"	2 7/8	2.9	●	●	●
RCU1612	*	16"	12"	1 7/8	2.9	●	●	●
RCU1614	*	16"	14"	7/8	2.9	●	●	●



\*Fabricated- Others die-stamped

## Model RCLU Reducer

↳ *Fabricated concentric reducer*



ACP Part Number	$\varnothing d_1$ (in)	$\varnothing d_2$ (in)	L (in)	Weight (lbs.)	Cle	Col	Tol
RCLU1812	18"	12"	8 7/8	5.1	●	●	●
RCLU1814	18"	14"	6 1/8	4.6	●	●	●
RCLU1816	18"	16"	3 5/8	4.3	●	●	●
RCLU2014	20"	14"	8 3/4	5.9	●	●	●
RCLU2016	20"	16"	6 1/4	5.5	●	●	●
RCLU2018	20"	18"	3 3/4	5.2	●	●	●
RCLU2216	22"	16"	10	7.4	●	●	●
RCLU2218	22"	18"	7 1/4	6.7	●	●	●
RCLU2220	22"	20"	4 3/8	5.8	●	●	●
RCLU2418	24"	18"	8 7/8	8.2	●	●	●
RCLU2420	24"	20"	6	6.7	●	●	●
RCLU2422	24"	22"	3 1/4	5.5	●	●	●
RCLU2624	26"	24"	3 7/8	7.0	●		●
RCLU2622	26"	22"	5	7.9	●		●
RCLU2826	28"	26"	4 3/8	8.3	●		●
RCLU3028	30"	28"	6 5/8	9.7	●		●

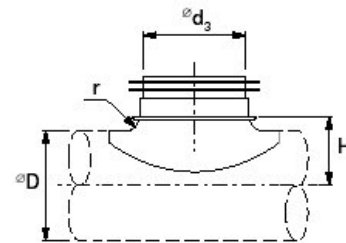


# Saddle Taps

## Model PSU

► Die stamped with radiused entry.

ACP Part Number	$\varnothing D$ (in)	$\varnothing d_3$ (in)	r	H (in)	For Spiral Pipe $\varnothing D$ (in)	Wt (lbs.)	CLE	COL	TOL
PSU43	4"	3"	1/2	2 3/8	4	0.2	●		
PSU44	4"	4"	5/8	2 5/8	4	0.5	●		●
PSU64	6"	4"	5/8	3 3/4	6	0.4	●	●	●
PSU66	6"	6"	7/8	4	6	0.7	●	●	●
PSU87-4	8/7"	4"	5/8	4 1/2	7-8	0.5	●	●	●
PSU87-6	8/7"	6"	7/8	4 7/8	7-8	0.7	●	●	●
PSU88-9	8"	8"	1	5	8	1.4	●	●	
PSU109-6	10/9"	6"	7/8	5 7/8	9-10	0.8	●	●	●
PSU109-8	10/9"	8"	1	6	9-10	1.2	●	●	●
PSU1010	10"	10"	1	6	10	2.1	●	●	●
PSU126	12"	6"	7/8	7	12	0.7	●	●	●
PSU128	12"	8"	1	7 1/8	12	1.1	●	●	●
PSU1210	12"	10"	1	7 1/8	12	1.5	●	●	●
PSU1212	12"	12"	1	7 1/8	12	2.7	●	●	●
PSU1814-6	18/14"	6"	7/8	8 7/8	14-18	0.6	●	●	●
PSU1614-8	16/14"	8"	1	8 7/8	14-16	1.2	●	●	●
PSU1410	14"	10"	1	8	14	1.5	●	●	●
PSU1412	14"	12"	1	8 1/2	14	2.0	●	●	●
PSU1414 *	14"	14"	1	8 1/2	14	3.0	●	●	●
PSU1612	16"	12"	1	8 7/8	16	2.1	●	●	●
PSU1614 *	16"	14"	1	8 7/8	16	3.1	●	●	●
PSU1616	16"	16"	1	8 7/8	16	4.4	●	●	●
PSU2018-8	20/18"	8"	1	9 7/8	18-20	1.1	●	●	
PSU1814 *	18"	14"	1	9 7/8	18	2.2	●	●	●
PSU1818 *	18"	18"	5/8	9 1/2	18	0.5	●	●	
PSU2016-10	20/16"	10"	1	9 7/8	16-20	3.5	●	●	●
PSU2014 *	20"	14"	0	9 7/8	20	2.4	●	●	●
PSU2016	20"	16"	1	11	18-20	3.5	●	●	
PSU2018 *	20"	18"	0	9 7/8	20	2.6	●	●	
PSU2020 *	20"	20"	0	9 7/8	20	2.9	●	●	
PSU2218-12	22/18"	12"	1	9 7/8	18-24	1.8	●	●	●
PSU2422-10	24/22"	10	1	13 3/4	22-24	1.1	●	●	
PSU2412	24"	12"	1	8 7/8	22-24	1.8	●	●	
PSU2414 *	24"	14"	0	12	24	2.4	●	●	
PSU2422-16	24/22"	16"	1	13	22-24	3.7	●	●	
PSU2418 *	24"	18"	0	11 3/4	24	2.4	●	●	
PSU2420 *	24"	20"	0	11 3/4	24	2.9	●	●	
PSU2422 *	24"	22"	0	11 3/4	24	3.1	●	●	
PSU2424 *	24"	24"	0	11 3/4	24	3.5	●	●	

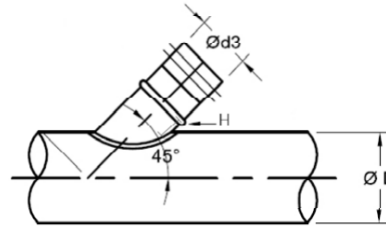


\*Fabricated. Others die-stamped

# Saddle Taps

## Model PSVU

► *Die stamped with radiused entry.*



ACP Part Number	ØD (in)	Ød <sub>3</sub> (in)	H (in)	For Spiral Pipe ØD (in)	Wt (lbs.)	CLE	COL	TOL
PSVU33	3"	3"	2 3/8	4	0.2	●		
PSVU44	4"	4"	2 5/8	4	0.5	●		
PSVU64	6"	4"	3 3/4	6	0.4	●		
PSVU66	6"	6"	4	6	0.7	●		
PSVU84	8"	4"	4 1/2	7-8	0.5	●		
PSVU86	8"	6"	4 7/8	7-8	0.7	●		
PSVU88	8"	8"	5	8	1.4	●		
PSVU106	10"	6"	5 7/8	9-10	0.8	●		
PSVU1010	10"	10"	6	9-10	1.2	●		
PSVU128	12"	8"	7 1/8	12	1.1	●		
PSVU1212	12"	12"	7 1/8	12	2.7	●		
PSVU148	14"	8"	8	14	1.5	●		
PSVU1414	14"	14"	8 1/2	14	2.0	●		

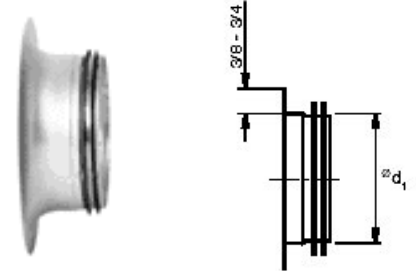
*\*Fabricated. Others die-stamped*

## Take-offs/Balancing Dampers

### Model ILU Take Off

- Take-off/starting collar
- To be installed on flat side, i.e. rectangular duct or plenum.

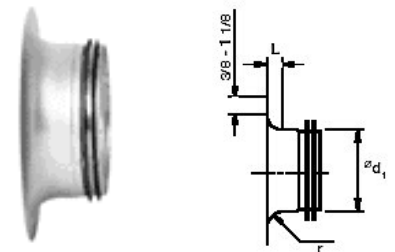
ACP Part Number	$\varnothing d_1$ Diameter	Weight (lbs.)	Cle	Col	Tol
ILU3	3"	0.2	●		
ILU18	18"	1.5	●	●	●
ILU20	20"	1.8	●	●	●
ILU22	22"	2.0	●	●	●
ILU24	24"	2.2	●	●	●
ILU26	26"	2.5	●		●
ILU28	28"	3.1	●		●
ILU30	30"	3.9	●		●



### Model ILRU Take-Off

- Radiused bellmouth take-off
- To be installed on flat side, i.e. rectangular duct or plenum.

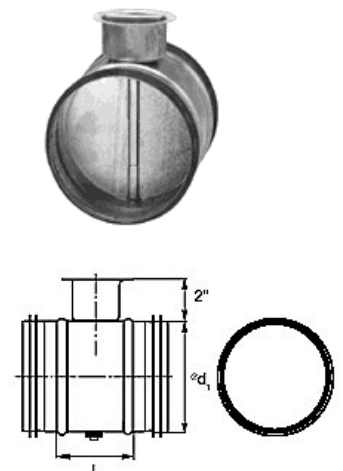
ACP Part Number	$\varnothing d_1$ Diameter	r = L (in)	Weight (lbs.)	Cle	Col	Tol
ILRU4	4"	5/8	0.4	●	●	●
ILRU6	6"	7/8	0.7	●	●	●
ILRU8	8"	1	0.7	●	●	●
ILRU10	10"	1	1.1	●	●	●
ILRU12	12"	1	1.3	●	●	●
ILRU14	14"	1	1.6	●	●	●
ILRU16	16"	1	2.0	●	●	●



### Model DSU Balancing Damper

- 2" sheet metal insulated stand off
- Integral shaft-blade assembly

ACP Part Number	$\varnothing d_1$ Diameter	L <sub>1</sub> (in)	Weight (lbs.)	Cle	Col	Tol
DSU4	4"	4	1.1	●	●	●
DSU6	6"	4	1.5	●	●	●
DSU8	8"	4	2.2	●	●	●
DSU10	10"	4	3.3	●	●	●
DSU12	12"	4	4.0	●	●	●
DSU14	14"	4	5.1	●	●	●



## Hangers & Accessories

### Loop End Fixing



ACP Part Number	Size	Cable Length	Cle	Col	Tol
1LOOP10	No. 1 Safe Working Load 22 lbs. Loop	10 ft.	●		●
2LOOP5	No. 2 Safe Working Load 100 lbs. Loop	5 ft.	●	●	●
2LOOP10		10 ft.	●	●	●
2LOOP15		15 ft.	●	●	●
2LOOP20		20 ft.			●
2LOOP30		30 ft.	●	●	●
3LOOP5	No. 3 Safe Working Load 200 lbs. Loop	5 ft.	●	●	●
3LOOP10		10 ft.	●	●	●
3LOOP15		15 ft.	●	●	●
3LOOP30		30 ft.	●		●

### Model Stud End Fixing



ACP Part Number	Size	Cable Length	Cle	Col	Tol
1STUD10	No. 1 Safe Working Load 22 lbs. Stud	10 ft.	●		
2STUD5	No. 2 Safe Working Load 100 lbs. Stud	5 ft.	●		
2STUD10		10 ft.	●		●
2STUD15		15 ft.	●		●
3STUD5	No. 3 Safe Working Load 200 lbs. Stud	5 ft.	●		
3STUD10		10 ft.	●		●
3STUD15		15 ft.	●		●

### Trapeze #2



ACP Part Number	Description	Cle	Col	Tol
2TRAPEZE5	No. 2 Trapeze Loop 5 ft.	●		
2TRAPEZE10	No. @ Trapeze Loop 10 ft.	●		

### Cable Cutting Tool & Stud Setting Punch

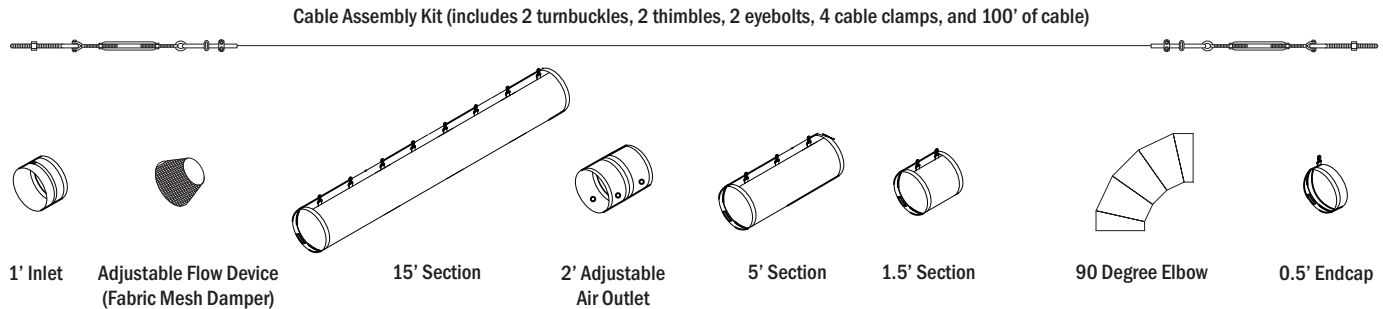
ACP Part Number	Description	Cle	Col	Tol
Cutter	Cable Cutting Tool	●	●	●
Punch	Stud Setting Punch	●		
Key	Easy Grip Release Key	●		●

# simpleSOX™ System

A SimpleSox™ System is an adjustable fabric air dispersion system assembled with pre-made components readily available. The versatility of a SimpleSox™ System is unmatched as you can easily adjust both the volume and direction of air, as well as the location of where air will be dispersed, both during and after installation.

A SimpleSox™ System consists of up to eight standard parts (see drawings below) available in five diameters (12", 16", 20", 24", and 28") to deliver up to 6000 CFM per run. Each system has standard and optional components to meet your airflow and layout needs.

SimpleSox™ Systems are configurable up to 14 airflow volumes and a total of 63 combinations considering orifice size, orientation, and the number of orifices activated.



SimpleSox™ Systems are intended for simple, open ceiling applications using straight runs with or without 90 degree elbows. They can be used as an alternative for uninsulated metal duct and diffuser systems in traditional heating and ventilating applications, including some conditioned environments. Typical applications are light industrial and retail, but can include many others.

## Adjustable Air Outlet (AAO)

### Adjustability

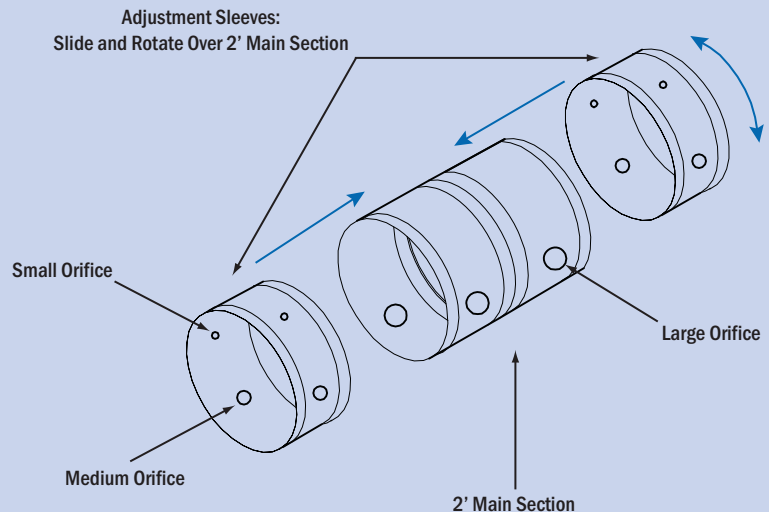
Adjustable Air Outlets (AAOs) are truly what make a SimpleSox™ System unique! The AAO feature provides the option to:

### Change the Direction of Airflow

The 2' main section of the AAO has four large orifices and has dual start zippers on each end. This enables the AAO to be rotated 180 degrees, changing the direction of airflow to either down (4 & 8 o'clock) or up (10 & 2 o'clock).

### Change the Volume of Airflow

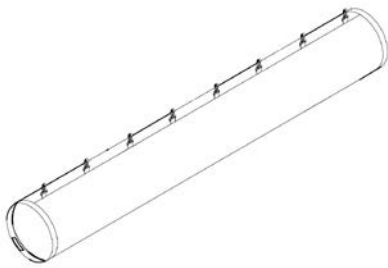
Each AAO has two independent adjustment sleeves that slide and rotate over the 2' main section. The adjustment sleeves have both small and medium orifices and are held in place with hook and loop fasteners. Simply rotate the sleeves to select small and/or medium orifices, or remove them for large orifices. Changing the number of orifices activated (0, 1, 2, 3, or 4) and/or the size of each orifice (small, medium, or large) changes the volume of air discharged from the AAO. Airflow volumes can range from 0 CFM per AAO (fully blocked) to 920 CFM per AAO (using four large orifices, 0.5" w.g. inlet static pressure, and a 28" diameter SimpleSox™ System). See Chart 2 for Low, Medium (Factory Setting), and High CFM volumes for each diameter.



## SimpleSox System

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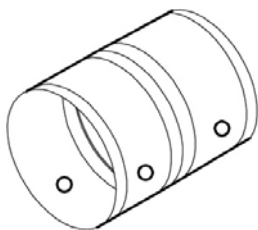
### SimpleSox Fabric Section



ACP Part Number	Inlet Size	Length	Cle	Col	Tol
SS12-1.5	12	1.5'	●		
SS16-1.5	16	1.5'	●		
SS20-1.5	20	1.5'	●		
SS24-1.5	24	1.5'	●		
SS28-1.5	28	1.5'	●		
SS12-5	12	5'	●		
SS16-5	16	5'	●		
SS20-5	20	5'	●		
SS24-5	24	5'	●		
SS28-5	28	5'	●		
SS12-15	12	15'	●		
SS16-15	16	15'	●		
SS20-15	20	15'	●		
SS24-15	24	15'	●		
SS28-15	28	15'	●		

### SimpleSox 2' Adjustable Air Outlet

- *Adjustability: Change Airflow Direction & Volume*

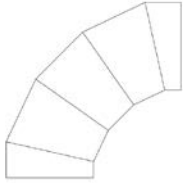


ACP Part Number	Inlet Size	Cle	Col	Tol
SSAA012	12"	●		
SSAA016	16"	●		
SSAA020	20"	●		
SSAA024	24"	●		
SSAA028	28"	●		



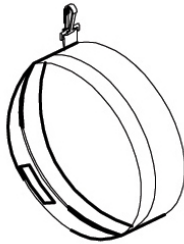
## SimpleSox System

### SimpleSox 90 Degree Elbows



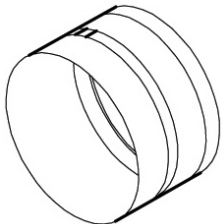
ACP Part Number	Inlet Size	Cle	Col	Tol
SSELBOW12	12	●		
SSELBOW16	16	●		
SSELBOW20	20	●		
SSELBOW24	24	●		
SSELBOW28	28	●		

### SimpleSox 0.5' Endcap



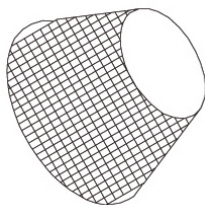
ACP Part Number	Inlet Size	Cle	Col	Tol
SSENDCAP12	12"	●		
SSENDCAP16	16"	●		
SSENDCAP20	20"	●		
SSENDCAP24	24"	●		
SSENDCAP28	28"	●		

### SimpleSox 1' Inlet



ACP Part Number	Inlet Size	Cle	Col	Tol
SSINLET12	12"	●		
SSINLET16	16"	●		
SSINLET20	20"	●		
SSINLET24	24"	●		
SSINLET28	28"	●		

### SimpleSox Fabric Mesh Air Flow Device



ACP Part Number	Inlet Size	Cle	Col	Tol
SSAFD12	12"	●		
SSAFD16	16"	●		
SSAFD20	20"	●		
SSAFD24	24"	●		
SSAFD28	28"	●		

### SimpleSox Cable Kit

- 100' of cable per roll

ACP Part Number	Length	Cle	Col	Tol
SSCABLE	100'	●		

## Spiral Pipe Access Doors & Duct Sealer

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### Single Wall Pipe Access Door

- *Formed 20 ga. metal plates*
- *Polyfoam insulation*
- *Steel bolt*
- *Steel compression springs*
- *Closed cell neoprene gasket*



ACP Part Number	Size	Cle	Col	Tol
RAD1066	10 x 6 x 6	•	•	•
RAD1068	10 x 6 x 8	•	•	•
RAD10610	10 x 6 x 10	•	•	•
RAD10612	10 x 6 x 12	•	•	•
RAD10614	10 x 6 x 14	•	•	•

### Duct Sealant

- *Fire resistive, water based, indoor/outdoor*
- *Color: Gray*
- *Drying Time: Set to Touch: 1 hour*  
*Dry Thoroughly: 16 hours*



ACP Part Number	Description	Unit of Measure	Cle	Col	Tol
FRSUPERSEAL	Water Base Duct Sealer	1 gallon pail	•	•	•

## Snaplock Pipe & Fittings

### Model #1008

- *Pipe*
- *60" Length – 26 gauge*
- *No tools required.*
- *Self-starting, knurled sufficiently so that the crimp "falls in" and once assembled completes a rigid, leak proof connection*



ACP Part Number	Size	Cle	Col	Tol
26 Gauge				
100860426	4"	●		
100860626	6"	●		●
100860826	8"	●		●
1008601026	10"	●		●
1008601226	12"	●		●
1008601426	14"	●		
1008601626	16"	●		

### Model #1005

- *90° Adjustable Elbow*
- *26 gauge*



ACP Part Number	Size	Cle	Col	Tol
26 Gauge				
1005326	3"	●		
1005426	4"	●		
1005526	5"	●		
1005626	6"	●		●
1005826	8"	●		●
10051026	10"	●		●
10051226	12"	●		●
10051426	14"	●		
10051626	16"	●		
10051826	18"	●		

## Snaplock Pipe & Fittings

### Model #1051

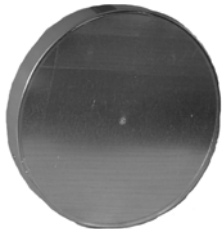
— Flat Collar-Crimped



ACP Part Number	Size	Cle	Col	Tol
10516	4"	●		
10515	5"	●		
10516	6"	●		
10517	7"	●		
10518	8"	●		
105110	10"	●		
105112	12"	●		
105114	14"	●		
105116	16"	●		
105118	18"	●		

### Model #1064

— Round End Cap



ACP Part Number	Size	Cle	Col	Tol
10644	4"	●		
10645	5"	●		
10646	6"	●		
10647	7"	●		
10648	8"	●		
106410	10"	●		
106412	12"	●		
106414	14"	●		
106416	16"	●		

### Model #1062

— Tapered Reducer



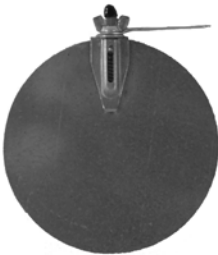
ACP Part Number	Size	Cle	Col	Tol
106243	4 x 3	●		
106254	5 x 4	●		
106264	6 x 4	●		
106265	6 x 5	●		
106276	7 x 6	●		
106286	8 x 6	●	●	●
106287	8 x 7	●		
1062106	10 x 6	●		
1062108	10 x 8	●	●	●
1062109	10 x 9	●		
1062128	12 x 8	●		
10621210	12 x 10	●	●	●
10621410	14 x 10	●		
10621412	14 x 12	●		
10621614	16 x 14	●		
10621816	18 x 16	●		

## Snaplock Pipe & Fittings

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### Model #1066

— One Quad Damper



ACP Part Number	Size	Cle	Col	Tol
10664	4"	●		
10665	5"	●		
10666	6"	●		
10667	7"	●		

### Model #1067

— Two Quad Damper



ACP Part Number	Size	Cle	Col	Tol
10678	8"	●		
106710	10"	●		
106712	12"	●	●	
106714	14"	●	●	
106716	16"	●		

### Model #1059

— Tee Joint

— 26 Gauge



ACP Part Number	Size	Cle	Col	Tol
10596	6 x 6 x 6	●	●	
10598	8 x 8 x 8	●	●	
105910	10 x 10 x 10	●	●	
105912	12 x 12 x 12	●	●	
105914	14 x 14 x 14	●		
105916	16 x 16 x 16	●		
105918	18 x 18 x 18	●		

## Snaplock Pipe & Fittings

### Model #EP13

— Adjustable Take Off



ACP Part Number	Size	Cle	Col	Tol
EP136	6"	●		
EP138	8"	●		
EP1310	10"	●		
EP1312	12"	●		
EP1314	14"	●		

### Model #1070

— Chimney Cap



ACP Part Number	Size	Cle	Col	Tol
10706	6"	●		
10708	8"	●		
107010	10"	●		
107012	12"	●		

### Model #ATDRP

— Saddle Tap with dampers

— Stick on gasket



ACP Part Number	Size		Cle	Col	Tol
ATDRP6	6"	6" Tap w/damper on 8, 10, 12	●		
ATDRP8	8"	8" Tap w/damper on 10, 12, 14	●		
ATDRP10	10"	10" Tap w/damper on 12, 14, 16, 18	●		
ATDRP12	12"	12" Tap w/damper on 16, 18	●		
ATDRP14	14"	14" Tap w/damper on 16, 18	●		



## Snaplock Pipe & Fittings

### Model #1057

➤ *Storm Collar*



ACP Part Number	Size	Cle	Col	Tol
10573	3"	●		
10574	4"	●		
10575	5"	●		
10576	6"	●		
10577	7"	●		
10578	8"	●		
105710	10"	●		
105712	12"	●		
105714	14"	●		

### Model #1071T

➤ *Tall Cone Flashing*



ACP Part Number	Size	Cle	Col	Tol
1071T4	4"	●		
1071T5	5"	●		
1071T6	6"	●		
1071T7	7"	●		
1071T8	8"	●		
1071T10	10"	●		
1071T12	12"	●		
1071T14	14"	●		

### Blast Gates

- *Full cut off*
- *Cast aluminum with galvanized steel slide gate*
- *Set screw to firmly hold blade for volume control*



ACP Part Number	Size	Cle	Col	Tol
C1022	2"	●		
C1032	3"	●		
C1042	4"	●		
C1052	5"	●		
C1062	6"	●		
C1072	7"	●		
C1082	8"	●		
C1092	9"	●		
C1102	10"	●		
C1122	12"	●		

## Flexible Duct

### Model UPC #50

- ▶ **Uninsulated Flex**
- ▶ **U.L. 181, Class 1 Air Connector, constructed of a triple lamination of metalized polyester, aluminum foil and polyester, encapsulating a steel wire helix.**



ACP Part Number	Size	Cle	Col	Tol
UPC503	3"	●		
UPC504	4"	●		
UPC505	5"	●		
UPC506	6"	●		
UPC508	8"	●		
UPC5010	10"	●		
UPC5012	12"	●		
UPC5014	14"	●		
UPC5016	16"	●		

Rated Positive pressure	10" w.g. per U.L. 181
Recommended Operating Pressure	6" w.g. pos., all dia.; ¾" neg., all dia.
Maximum Velocity	5,000 FPM
Flame Spread/Smoke Developed	Less than 25/Less than 50

### Model UPC #70

- ▶ **Insulated Flex**
- ▶ **Durable, all-purpose product UPC 70 is double ply, gray polyester vapor barrier with spiral reinforcements.**
- ▶ **R-Value =4.2\***



ACP Part Number	Size	Cle	Col	Tol
UPC704	4"	●		
UPC705	5"	●		
UPC706	6"	●		●
UPC708	8"	●		●
UPC7010	10"	●		●
UPC7012	12"	●		●
UPC7014	14"	●		
UPC7016	16"	●		
UPC7018	18"	●		
UPC7020	20"	●		

Rated Positive pressure	10" w.g. per U.L. 181
Recommended Operating Pressure	6" w.g. pos., 4"-12" dia., 4" w.g. pos., 14"-20" dia.; ¾" w.g. neg., all dia.
Maximum Velocity	5,000 FPM
Flame Spread/Smoke Developed	Less than 25/Less than 50

\*R-Values are classified by Underwriters Laboratories, Inc. in accordance with the ADC flexible Duct Performance and Installation Standards (1991) using ASTM C – 518 at installed wall thickness on flat insulation only.

## Flexible Duct

### Type 8M Insulated Flex



UL 181, Class 1 insulated air duct, solid mechanical union of polyethylene inner liner and corrosion resistant galvanized steel helix create an extraordinary durable seam.

Thermally insulated to an R Value of 4.2 with a reinforced metalized protective vapor barrier to suit any application.

- ▶ *Acoustical Attenuation Benefits*
- ▶ *Working Pressure: -4" w.g to +6 w.g.*
- ▶ *Minimum Burst Pressure: 2 ½ times working pressure*
- ▶ *Rated Velocity: 4000 fpm*
- ▶ *Operating Temperature: -20 to 250 ° farenheight*
- ▶ *Standard Length: 25 Feet*

ACP Part Number	Size	Cle	Col	Tol
8M4	4"	●		
8M6	6"	●		
8M8	8"	●		
8M10	10"	●		
8M12	12"	●		
8M14	14"	●		

### Type 3B Insulated Flex



UL 181, Class 1 insulated air duct, solid mechanical union of polyethylene inner liner and corrosion resistant galvanized steel helix create an extraordinary durable seam.

Thermally insulated to an R Value of 4.2 with a reinforced metalized protective vapor barrier to suit any application

- ▶ *Working Pressure: -5" w.g to +16" w.g.*
- ▶ *Minimum Burst Pressure: 2 ½ times working pressure*
- ▶ *Rated Velocity: 5500 fpm*
- ▶ *Operating Temperature: -20 to +250 ° farenheight*
- ▶ *Standard Lengths: 25 feet*

ACP Part Number	Size	Cle	Col	Tol
3B4	4"	●		
3B5	5"	●		
3B6	6"	●		
3B7	7"	●		
3B8	8"	●		
3B9	9"	●		
3B10	10"	●		
3B12	12"	●		
3B14	14"	●		

## Flexible Duct

### Type 5M Low Pressure Insulated Flex



UL 181, Class 1 insulated air duct for application in low to medium pressure systems. Solid mechanical union of trilaminated aluminum foil, fiberglass, and aluminized polyester liner and corrosion resistant galvanized steel helix create an extraordinary durable seam. Thermally insulated to an R Value of 4.2 with a reinforced metalized protective vapor barrier to suit any application.

- ▶ **Working Pressure:** -4" w.g. (-1" w.g. 18" and above) to + 6" w.g.
- ▶ **Minimum Burst Pressure:** 2 ½ times working pressure
- ▶ **Rated Velocity:** 4,000 fpm
- ▶ **Operating Temperature:** -20 to 250° farenheight
- ▶ **Standard Length:** 25 Feet

ACP Part Number	Size	Cle	Col	Tol
5M4	4"		●	
5M5	5"		●	
5M6	6"		●	
5M7	7"		●	
5M8	8"		●	
5M9	9"		●	
5M10	10"		●	
5M12	12"		●	
5M14	14"		●	
5M16	16"		●	
5M18	18"		●	

### Type 3M Hi Pressure Insulated Flex



UL 181, Class 1 insulated air duct for application in low to high pressure systems. Solid mechanical union of trilaminated aluminum foil, fiberglass, and aluminized polyester liner and corrosion resistant galvanized steel helix create an extraordinary durable seam. Thermally insulated to an R Value of 4.2 with a reinforced metalized protective vapor barrier to suit any application.

- ▶ **Working Pressure:** -5" w.g. (-1" w.g. 18" and above) to + 16" w.g.
- ▶ **Minimum Burst Pressure:** 2 ½ times working pressure
- ▶ **Rated Velocity:** 5,500 fpm
- ▶ **Operating Temperature:** -20 to 250° farenheight
- ▶ **Standard Lengths:** 25 feet

ACP Part Number	Size	Cle	Col	Tol
3M4	4"		●	
3M5	5"		●	
3M6	6"		●	
3M7	7"		●	
3M8	8"		●	
3M9	9"		●	
3M10	10"		●	
3M12	12"		●	
3M14	14"		●	
3M16	16"		●	
3M18	18"		●	

## Flexible Duct

### Type NI-35 Non-Insulated Flex



UL 181, Class 1 non-insulated connector for application in low to high pressure systems. Solid mechanical union of trilaminated aluminum foil, fiberglass, and aluminized polyester liner and corrosion resistant galvanized steel helix create an extraordinary durable seam.

- ▶ *Working Pressure: -5" w.g. (-1" w.g. 18" and above) to + 16" w.g.*
- ▶ *Minimum Burst Pressure: 2 ½ times working pressure*
- ▶ *Rated Velocity: 5,500 fpm*
- ▶ *Operating Temperature: -20 to 250 ° farenheight*
- ▶ *Standard Length: 25 feet*

ACP Part Number	Size	Cle	Col	Tol
NI354	4"		●	
NI355	5"		●	
NI356	6"		●	
NI357	7"		●	
NI358	8"		●	
NI359	9"		●	
NI3510	10"		●	
NI3512	12"		●	
NI3514	14"		●	

### Type S Self Supporting Flexible Air Duct



*One ply of spiral wound corrugated aluminum with interlocked seams folded flat, and knurled for air tightness, strength & flexibility.*

- ▶ *Working Pressure Range: 10" positive or negative*
- ▶ *Burst Pressure: 60" WC*
- ▶ *Operating Temperature Range: 10 – 750 degrees*
- ▶ *Standard Length: 10 feet*

ACP Part Number	Size	Cle	Col	Tol
ZZSMFX4	4"	●		
ZZSMFX6	6"	●		
ZZSMFX8	8"	●		
ZZSMFX10	10"	●		
ZZSMFX12	12"	●		



## Sheet Metal Fittings

### Model FL

- ▶ *Spin in Collar*
- ▶ *26 ga., G-90 galvanized steel construction*
- ▶ *Deep spin groove holds fittings securely in place*

ACP Part Number	Size	Cle	Col	Tol
FL4	4"		●	
FL6	6"		●	
FL8	8"		●	
FL10	10"		●	
FL12	12"		●	
FL14	14"		●	
FL16	16"		●	

### Model FLD

- ▶ *Spin In with Damper*
- ▶ *26 ga., G-90 galvanized steel construction*
- ▶ *Deep spin groove holds fittings securely in place.*
- ▶ *Factory installed damper with manual locking hand quadrant*



ACP Part Number	Size	Cle	Col	Tol
FLD4	4"		●	
FLD5	5"		●	
FLD6	6"		●	
FLD7	7"		●	
FLD8	8"		●	
FLD9	9"		●	
FLD10	10"		●	
FLD12	12"		●	
FLD14	14"		●	
FLD16	16"		●	

### Model #FLD SOG

- ▶ *Take Off w/Damper*
- ▶ *26 ga., G-90 galvanized steel prepunched.*
- ▶ *1 ½ wide flange.*
- ▶ *Adhesive neoprene gasket with peel back tape*



ACP Part Number	Size	Cle	Col	Tol
FLD6SOG	6"	●		
FLD7SOG	7"	●		
FLD8SOG	8"	●		
FLD9SOG	9"	●		
FLD10SOG	10"	●		
FLD12SOG	12"	●		
FLD14SOG	14"	●		



## Flexmaster Sheet Metal Fittings

### Model #STOD BO2

- ▶ *Side Take off with Damper*
- ▶ *26 ga, G-90 galvanized steel prepunched.*
- ▶ *1" wide flange.*
- ▶ *Adhesive gasket*
- ▶ *Two inch build out for damper handle.*



ACP Part Number	Size	Cle	Col	Tol
STODBO6	6"	●		
STODBO8	8"	●		
STODBO10	10"	●		
STODBO12	12"	●		
STODBO14	14"	●		
STODBO16	16"	●		

### Model #FLDE-SOG-90

- ▶ *Take off w/ Damper & 90° Scoop*
- ▶ *Adhesive gasket*
- ▶ *1 ½" Flange*



ACP Part Number	Size	Cle	Col	Tol
FLDESOG906	6"	●		●
FLDESOG908	8"	●		●
FLDESOG9010	10"	●		●
FLDESOG9012	12"	●		●
FLDESOG9014	14"	●		
FLDESOG9016	16"	●		
FLDESOG9018	18"	●		

### Model #SLD BO3

- ▶ *Wal-Mart Damper*
- ▶ *26 gauge*
- ▶ *9" long, only one end crimped*

ACP Part Number	Size	Cle	Col	Tol
SLDBO36	6"	●		
SLDBO38	7"	●		
SLDBO10	8"	●		
SLDBO12	9"	●		
SLDBO14	10"	●		

## Sheet Metal Fittings

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### Conical Take Off w/Damper



ACP Part Number	Size	Cle	Col	Tol
ATDBMD4	4"	•		
ATDBMD5	5"	•		
ATDBMD6	6"	•		
ATDBMD7	7"	•		
ATDBMD8	8"	•		
ATDBMD9	9"	•		
ATDBMD10	10"	•		
ATDBMD12	12"	•		
ATDBMD14	14"	•		

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## Sheet Metal Fittings

### Model #F3SO

- *Square to Round Adapters*
- *Open Corners*
- *Cleveland Office Only*



ACP Part #	Size	Cle	Col	Tol
F3SO666	6 x 6 x 6	●		
F3SO886	8 x 8 x 6	●		
F3SO996	9 x 9 x 6	●		
F3SO12126	12 x 12 x 6	●		
F3SO888	8 x 8 x 8	●		
F3SO998	9 x 9 x 8	●		
F3SO10108	10 x 10 x 8	●		
F3SO101010	10 x 10 x 10	●		
F3SO12128	12 x 12 x 8	●		
F3SO121210	12 x 12 x 10	●		
F3SO121212	12 x 12 x 12	●		
F3SO151512	15 x 15 x 12	●		
F3SO151514	15 x 15 x 14	●		
F3SO18186	18 x 18 x 6	●		
F3SO18188	18 x 18 x 8	●		
F3SO181810	18 x 18 x 10	●		
F3SO181812	18 x 18 x 12	●		
F3SO181814	18 x 18 x 14	●		
F3SO181816	18 x 18 x 16	●		
F3SO181818	18 x 18 x 18	●		
F3SO22106	22 x 10 x 6	●		
F3SO22108	22 x 10 x 8	●		
F3SO221010	22 x 10 x 10	●		
F3SO22226	22 x 22 x 6	●		
F3SO22228	22 x 22 x 8	●		
F3SO222210	22 x 22 x 10	●		
F3SO222212	22 x 22 x 12	●		
F3SO222214	22 x 22 x 14	●		
F3SO222216	22 x 22 x 16	●		
F3SO222218	22 x 22 x 18	●		

## Sheet Metal Fittings

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### Model #F3SC

- *Square to Round Adapters*
- Closed Corners
- Columbus Office Only



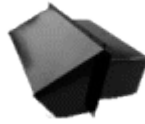
ACP Part #	Size	Cle	Col	Tol
F3SC665	6 x 6 x 5		●	
F3SC666	6 x 6 x 6		●	
F3SC886	8 x 8 x 6		●	
F3SC888	8 x 8 x 8		●	
F3SC10108	10 x 10 x 8		●	
F3SC101010	10 x 10 x 10		●	
F3SC12128	12 x 12 x 8		●	
F3SC121210	12 x 12 x 10		●	
F3SC121212	12 x 12 x 12		●	
F3SC141414	14 x 14 x 14		●	
F3SC22106	22 x 10 x 6		●	
F3SC22108	22 x 10 x 8		●	
F3SC221010	22 x 10 x 10		●	
F3SC22226	22 x 22 x 6		●	
F3SC22228	22 x 22 x 8		●	
F3SC222210	22 x 22 x 10		●	
F3SC222212	22 x 22 x 12		●	
F3SC222214	22 x 22 x 14		●	
F3SC222216	22 x 22 x 16		●	
F3SC222218	22 x 22 x 18		●	



## Wall & Roof Caps

### Model # 639

- ▶ **Wall Cap**
- ▶ *For 3 1/4" x 10 duct*
- ▶ *Spring loaded backdraft damper*
- ▶ *Built-in bird screen*
- ▶ *Steel baked black enamel finish*



ACP Part Number	Broan Model	Cle	Col	Tol
639	639	●		●

### Model # 642

- ▶ **Wall Cap**
- ▶ *For 3" or 4" round duct*
- ▶ *4" to 3" Transition included*
- ▶ *Built-in backdraft damper*
- ▶ *Aluminum natural finish*



ACP Part Number	Broan Model	Cle	Col	Tol
642	642	●	●	

### Model # 641

- ▶ **Wall Cap**
- ▶ *For 6" round duct*
- ▶ *Built-in backdraft damper and birdscreen*
- ▶ *Aluminum natural finish*



ACP Part Number	Broan Model	Cle	Col	Tol
641	641	●	●	●

### Model # 643

- ▶ **Wall Cap**
- ▶ *For 8" round duct*
- ▶ *Built-in backdraft damper*
- ▶ *Aluminum natural finish*



ACP Part Number	Broan Model	Cle	Col	Tol
643	643	●	●	●

### Model # 636

- ▶ **Roof Cap**
- ▶ *For 3" or 4" round duct*
- ▶ *Built-in backdraft damper and birdscreen*
- ▶ *Steel baked enamel finish*



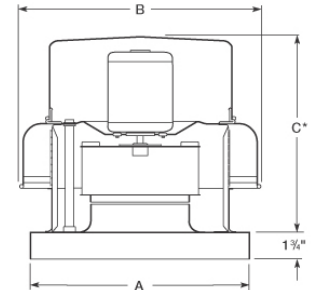
ACP Part Number	Broan Model	Cle	Col	Tol
0812	636	●		



## Roof Exhaust Fans: Available in Cleveland/Toledo area only

### Adjustable G Roof Exhaust Direct Drive Fan

- ▶ Aluminum Housing
- ▶ Non-overloading backward inclined wheel
- ▶ Aluminum curb cap with pre-punched mounting holes
- ▶ Integral hood bead for reinforced strength
- ▶ Galvanized birdscreen
- ▶ Motor isolated on shock mounts
- ▶ Nema-1 disconnect

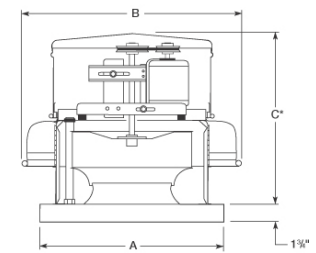


#### Dimensional Data

ACP Part #	Model #	A	B	C	Cle	Col	Tol
G095VG	G-095-VG	17	21 3/4	14 5/8	●		
<b>CFM 125 thru 1031 @ .25" S.P. adjustable through Vari-Green</b>							
G103VG	G-103-VG	19	24 3/8	23 3/4	●		
<b>CFM 250 thru 1510 @ .25" S.P. adjustable through Vari-Green</b>							
G123VG	G-123-VG	19	24 3/8	23 3/4	●		
<b>CFM 455 thru 2215 @ .25" S.P. adjustable through Vari-Green</b>							
G133VG	G-133-VG	19	28 3/8	23 3/4	●		
<b>CFM 550 thru 2610 @ .25" S.P. adjustable through Vari-Green</b>							
G143VG	G-143-VG	22	28 3/8	23 3/4	●		
<b>CFM 550 thru 3050 @ .25" S.P. adjustable through Vari-Green</b>							

### Model #GB Roof Exhaust Belt Drive Fan

- ▶ Aluminum Housing
- ▶ Non-overloading backward inclined wheel
- ▶ Galvanized birdscreen
- ▶ Integral hood bead for reinforced strength
- ▶ Double studded isolators for true vibration isolation
- ▶ Motor out of air stream
- ▶ Adjustable motor pulleys allow for final system balancing
- ▶ Nema-1 disconnect



#### Dimensional Data

ACP Part Number	Model	A	B	C	Cle	Col	Tol
GB0814XR3	GB-081	19	24 3/8	23 3/4	●		
GB0914XR3	GB-091	19	24 3/8	23 3/4	●		

Model Number	Roof Opening	Min/Max RPM	Sones @ 0 in.	Performance in inches WG									
				0.00	.100	.125	.250	.375	.500	.625	.750	1.00	
GB-081	14 1/2 x 14 1/2	630	2.4	315									
		1710	12.5	856	784	710	629	480					
GB-091	14 1/2 x 14 1/2	660	3.1	500									
		1710	13.4	1295	1179	1061	934	785					

## Ceiling Exhaust Fans: Available in Cleveland/Toledo area only

### Model #SP Ceiling Exhaust Fan

- ▶ Model SP exhaust fans are designed for applications where low sound levels are critical.
- ▶ They are ideal selections for offices, conference rooms and restrooms.
- ▶ Their low sound levels are achieved through quiet running forward curved wheels.
- ▶ All model SP fans are UL listed and licensed to bear the AMCA Certified Ratings Seal for air and sound performance.
- ▶ Units are stocked with 115/60/1 motors
- ▶ Plug in disconnect switch included
- ▶ Integral backdraft damper

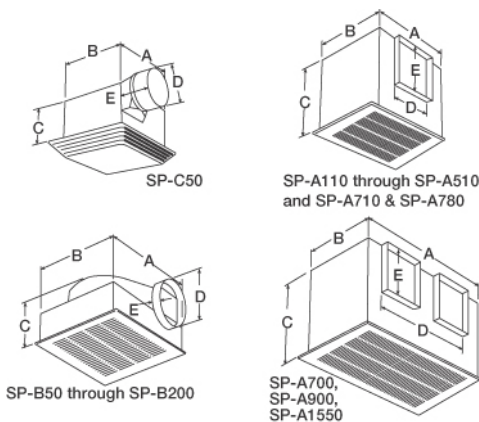


**SP-B**



**SP-A**

### Dimensional Data



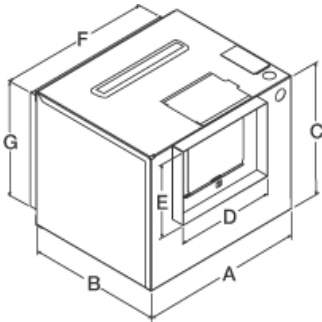
ACP Part Number	A	B	C	Outlet		Cle	Col	Tol
				D	E			
SPB110	13 7/8	11 1/2	7 15/16	6 dia.	1 1/4	●		●
SPB150	13 7/8	11 1/2	7 15/16	6 dia.	1 1/4	●		●
SPB200	13 7/8	11 1/2	7 15/16	6 dia.	1 1/4	●		●
SPA290	14	11 7/8	11 1/2	8	8	●		●
SPA390	14	11 7/8	11 1/2	8	8	●		
SPA410	18	14 3/8	14 1/2	8	8	●		
SPA510	18	14 3/8	14 1/2	8	8	●		
SPA710	18	14 3/8	14 1/2	10	8	●		
SPA900	23 3/4	14 3/8	14 1/2	18 3/4	8	●		

Model Number	RPM	AMPS	WATTS	Sones @ 0 in.	CFM	Performance in inches WG									
						0.00	.100	.125	.250	.375	.500	.625	.750	1.00	
SP-B110	950	1.14	80	2.0	CFM	133	114	110	97	95	94	91	85	50	
SP-B150	1050	1.70	129	3.0	CFM	160	156	155	154	152	149	147	138	92	
SP-B200	1100	2.20	173	4.4	CFM	197	195	194	191	187	184	181	166	128	
SP-A290	1050	0.72	81	3.2	CFM	315	293	287	257	231	207	175	124		
SP-A390	1350	1.34	135	5.4	CFM	410	395	391	368	345	325	307	279		
SP-A410	1000	1.74	121	4.1	CFM	443	413	405	351	305					
SP-A510	1070	3.30	224	6.0	CFM	557	512	501	439	392	325				
SP-A710	1080	4.40	285	7.4	CFM	752	714	701	653	588	485	320			
SP-A900	950	4.00	285	5.2	CFM	955	907	896	841	773	701				

## In-Line Fans: Available in Cleveland/Toledo area only

### Model #CSP Cabinet Exhaust Fan

- ▶ Model CSP inline cabinet fans are designed for clean air applications where low sound levels are desired.
- ▶ They can be used for supply, exhaust or return applications within a duct system. Low sound levels are achieved through quiet running forward curved wheels and an acoustically insulated housing.
- ▶ The outlet duct includes an integral aluminum back draft damper that is easily converted from horizontal to vertical discharge positions.
- ▶ Model CSP fans are UL listed and licensed to bear the AMCA Certified Rating seals for air & sound Performance
- ▶ Units are stocked with 115/60/1 motors



### Dimensional Data

Model	A	B	C	D	E	F	G	Cle	Col	Tol
CSPA190	13 1/4	10 5/8	10 1/2	8	6	12	9 1/4	●		
CSPA250	14	10 7/8	11 1/4	8	8	12 7/8	10	●		●
CSPA390	14	10 7/8	11 1/4	8	8	12 7/8	10	●		●
CSPA2150	35	14 3/4	14 3/4	28	6	32 3/4	13	●		

Model Number	RPM	AMPS	Watts		Performance in inches WG						
					0	.125	.25	.375	.5	.75	1
CSP-A110	950	0.62	51	CFM	124	110	102	77			
				Sones	1.1	1.1	1.3	1.3			
CSP-A190	1400	1.10	100	CFM	215	198	180	159	121		
				Sones	2.3	2.2	2.7	2.9	3.0		
CSP-A250	1000	0.79	83	CFM	266	241	221	205	187	132	
				Sones	1.3	1.5	2.3	3.3	3.4	3.0	
CSP-A390	1350	1.33	144	CFM	412	397	382	363	339	309	
				Sones	2.8	2.8	3.2	3.7	4.7	6.5	
CSP-A2150	1100	7.80	735	CFM	2249	2156	2044	1900	1701	1114	
				Sones	7.6	7.5	7.2	6.7	6.6	7.2	

## Fan Accessories: Available in Cleveland/Toledo area only

### Model #WD 100 Backdraft Damper

- *Galvanized steel*
- *No flange*



ACP Part Number	Size	Cle	Col	Tol
WD10088	8 x 8	●		
WD1001010	10 x 10	●		
WD1001212	12 x 12	●		
WD1001818	18 x 18	●		

### Model #SSC Solid State Controller

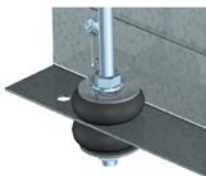
- *For applications up to 5.0 amps*
- *For use with shaded pole & open permanent split capacitor motors.*
- *Requires 2 x 4 handy box by others.*



ACP Part Number	Size	Cle	Col	Tol
SSC5	5-Watt	●		●

### Model #VI Kit Vibration Isolator Kit

- *For use in suspended fan installation*
- *Fan mounting brackets include pre-punched mounting holes for ease of installation.*
- *Kits include all hardware necessary to mount one unit, with the exception of 10-32 threaded rod to be supplied by others.*



ACP Part Number	Size	Cle	Col	Tol
VIKIT	VI Kit	●		

## Ceiling Exhaust Fans: Available in Columbus area only

### Model #Z6H Ceiling Exhaust Fan

- ▶ *AMCA Air & Sound Certified.*
- ▶ *UL Listed for UL705 & UL507*
- ▶ *All motors with Thermal Overload Protection*
- ▶ *Quick Access Wiring*
- ▶ *Field Convertible Discharge Orientation*
- ▶ *Field Convertible from Ceiling to Inline Installation*
- ▶ *Popular Models with Multi-Speed Motor*
- ▶ *Available at ACP Columbus Warehouse Only*
- ▶ *Includes Lek-Trol speed Controller*



Zephyr

Model Number	RPM	AMPS	Max. Watts		Performance in inches WG							
					0"	.125"	.250"	.375"	.5	.75	1	
Z6H	1550	1.4	108	CFM	230	196	166	122				
				Sones	3.3	3	3	3.1				

### Model #ZT & ZJ1 Low Profile Fans

- ▶ *Quiet Operation: Low Sone Level, Non-Overloading Low Power Consumption Design*
- ▶ *Thermal Overload Protection integral w/Motor*
- ▶ *Rust Resistant Durable Housing of Galvanized Steel*
- ▶ *UL Listed for UL705 & UL507 / AMCA Air Certified*
- ▶ *Available at ACP Columbus Warehouse Only*
- ▶ *Includes Lek-Trol Speed Controller*



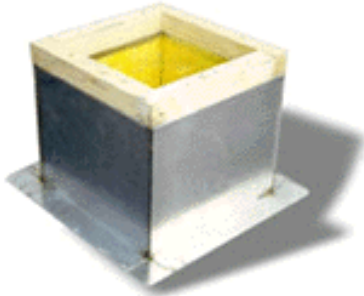
Zephyrette  
& Zephyr Jr.

Model Number	Motor RPM	Motor 60Hz AC	Max. Watts	SP	Performance for Type A installation							
					0"	.10"	.125"	.250"	.375"	.500"	.625"	.750"
ZT	1200	115/1	48	CFM	91	88	88	85	75	49	-	-
				Sones	1.8	2.2	2.3	2.8	3.0	3.2	-	-
				RPM	840	930	970	1110	1280	1460	-	-
ZJ1	1200	115/1	125	CFM	149	156	157	158	160	153	138	117
				Sones	2.0	2.3	2.4	3.0	3.4	3.4	3.6	3.5
				RPM	760	1000	1020	1150	1240	1360	1450	1520

# Curbs and Pipe Portal System

## Model #RC2A

- 12" Roof Curb
- 2" Flange
- Wood Nailer



ACP Part Number	Size	Cle	Col	Tol
RC2A12.5	12 ½ x 12 ½	●	●	●
RC2A15.5	15 ½ x 15 ½	●	●	●
RC2A17	17 x 17		●	
RC2A17.5	17 ½ x 17 ½	●	●	●
RC2A19	19 x 19		●	
RC2A20.5	20 ½ x 20 ½	●	●	●
RC2A23.25	23 ¼ x 23 ¼		●	
RC2A24.5	24 ½ x 24 ½	●	●	●
RC2A27	27 x 27		●	
RC2A28.5	28 ½ x 28 ½	●	●	●
RC2A32.5	32 ½ x 32 ½	●	●	●
RC2A38.5	38 ½ x 38 ½	●	●	●
RC2A44.5	44 ½ x 44 ½	●	●	●

## Pipe Portals



### N-28

For two 3/8" thru 1" pipes and two 1" thru 2" pipes.



### Curb Cover

13" x 13" I.D.  
Reinforced ABS  
Plastic cover.

ACP Part Number	Size	Cle	Col	Tol
N28	Cover w/2 sm. & 2 med. Clamps	●	●	●
N-62	Cover with 1 large clamp	●		●
PCC1212	12 ½ x 12 ½ plastic curb cover	●	●	●
Five Hole Portal Cap	12 ½ x 12 ½	●		●
Alumiflash	Alumi-flash	●		



### N-62

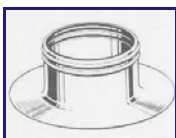
2" thru 6" pipe



Full Pipe Portal assembly shown



Five Hole Portal Cap



### Alumi-Flash

Furnish & install at all points where 12" or less pipes are penetrating roofs. The Alumi-Flash is constructed of .060 spun aluminum with a height of 4".



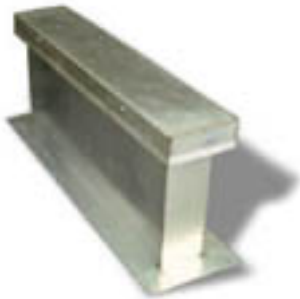
## Equipment Support Rails

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### 12" High Straight Rail

— 2" Base Flange

— 2 x 4 Wood Nailer



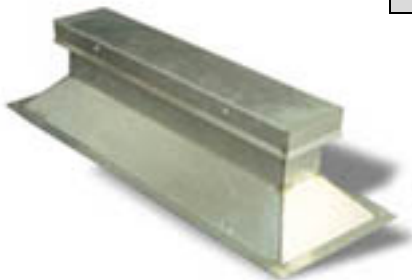
ACP Part Number	Size	Cle	Col	Tol
ER2A121	1'	•	•	
ER2A122	2'	•	•	
ER2A123	3'	•	•	•
ER2A124	4'	•	•	•
ER2A126	6'	•	•	•
ER2A128	8'	•	•	•
ER2A1210	10'	•		
ER2A1212	12'	•		

### Canted Rails

— 12" High

— 2" Base Flange

— 2 x 4 Wood Nailer



ACP Part Number	Size	Cle	Col	Tol
ER3A1	1'	•		
ER3A2	2'	•		
ER3A3	3'	•		
ER3A4	4'	•		
ER3A6	6'	•		
ER3A8	8'	•		
ER3A10	10'	•		

## Wall & Baseboard Heaters

### Series 3320TTD-RP Fan Forced Wall Heater



- *Construction: Powder coated 18 ga. steel grille with extruded aluminum front frame.*
  - *Disconnect switch*
  - *Automatic fan delay switch*
  - *Vane axial fan blade – 600 RPM motor – 175 CFM*
- **Rough in dimensions: 14-3/16" W x 19-15/16 H x 4" Deep**
- **Grill Dimensions: 15-29/32" W x 20-27/32" H**

ACP Part Number	Watts	Volts	Factory Model Number	Cle	Col	Tol
3322TTDRP	1000	120V	E3322TTD-RP	•		
3322TTDRP	1125/1500	208/240	HF3323TTD-RP	•		
3324TTDRP	1500/2000	208/240	HF3324TTD-RP	•		
3325TTDRP	2250/3000	208/240	HF3325TTD-RP	•		
3326TTDRP	3000/4000	208/240	HF3326TTD-RP	•		
<b>Wall Heater Accessories</b>						
3310BOX	Rough In Box		Box 3310	•		
3320EX33	Surface Mount Box		3320EX16	•		

### Series 2900 Baseboard Heaters



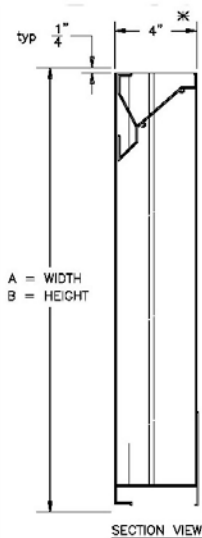
- *Construction: Powder coated 22 ga. steel front with 20 ga. junction boxes*
  - *Finish: White*
  - *Over-temperature thermal limit extends entire length of heater .*
- *A full-length wireway provided along the back of the heater.*
  - *Height 6" Depth 2 1/2"*

ACP Part Number	Watts	Volts	Length	Factory Model Number	Cle	Col	Tol
E2907040A	750	120	40"	E2907-040A	•		
E2910048A	1000	120	48"	E2910-048A	•		
<b>Baseboard Heater Accessories</b>							
TBS	Thermostat			TBS	•		

## Louvers & Brick Vents

### Stationary Louver

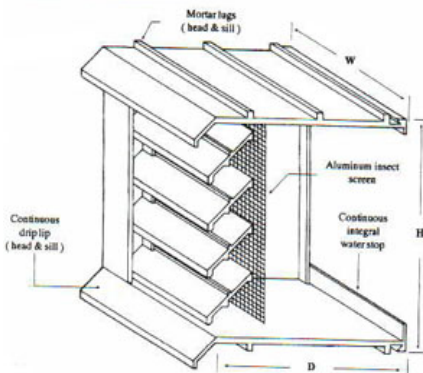
- ▶ **Frame: 4" Deep Channel**  
.081" Thick 6063-T5 Extruded Aluminum Alloy
- ▶ **Blades: 45 degree J Blade**  
.081" Thick 6063-T5 Extruded Aluminum Alloy
- ▶ **Screen: Interior, 1/2" removable expanded aluminum bird screen**
- ▶ **Finish: Mill**



ACP Part Number	Size	Cle	Col	Tol
ESJ4011212	12 x 12	●		
ESJ4012412	24 x 12	●		
ESJ4012424	24 x 24	●		
ESJ4013624	36 x 24	●		
ESJ4013636	36 x 36	●		
ESJ4014848	48 x 48	●		

### Model BEX

- ▶ **Brick/Block Masonry Vents**
- ▶ **Frame: 4" Deep .125" Extruded Aluminum**
- ▶ **Blades: Extruded Aluminum, appx. spacing is 1" @ 45 degrees**
- ▶ **Screen: Aluminum mesh insect screen**
- ▶ **Mullions: Visible**
- ▶ **Finish: Mill**

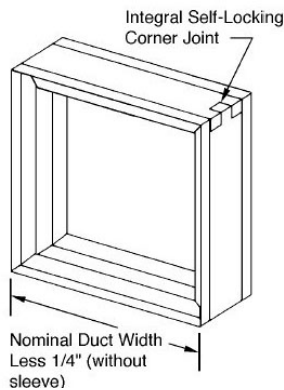


ACP Part Number	Size	Cle	Col	Tol
EX84	8 x 4	●		
EX124	12 x 4	●		
EX128	12 x 8	●		
EX168	16 x 8	●		

## Horizontal Fire Dampers

### Model FD150H

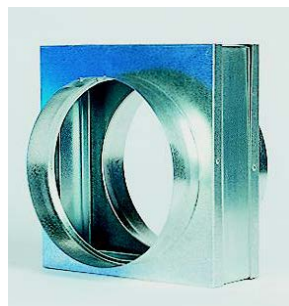
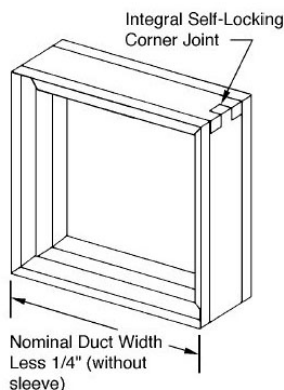
- ▶ **Frame Construction:** One-piece roll formed 22 ga. galvanized steel
- ▶ **Blade Construction:** 22 Ga. Galvanized steel curtain-type
- ▶ **Fusible Link:** UL listed 165° F; replaceable.



ACP Part Number	Size	Cle	Col	Tol
FD15066	6 x 6	●		
FD15088	8 x 8	●		
FD15099	9 x 9	●		
FD1501010	10 x 10	●		
FD150128	12 x 8	●		
FD1501212	12 x 12	●		
FD1501410	14 x 10	●		
FD1501412	14 x 12	●		
FD150168	16 x 8	●		
FD1501612	16 x 12	●		
FD1501810	18 x 10	●		
FD1501812	18 x 12	●		
FD1501818	18 x 18	●		
FD1502010	20 x 10	●		
FD1502012	20 x 12	●		
FD1502210	22 x 10	●		
FD1502222	22 x 22	●		
FD1502412	24 x 12	●		
FD1502424	24 x 24	●		

### Model FD150- Round

- ▶ **Frame Construction:** One-piece roll formed 22 ga. galvanized steel
- ▶ **Blade Construction:** 22 Ga. Galvanized steel curtain-type
- ▶ **Fusible Link:** UL listed 165° F; replaceable.



ACP Part Number	Size	Cle	Col *	Tol
FD1506	6"Ø	●	●	
FD1508	8"Ø	●	●	
FD15010	10"Ø	●	●	
FD15012	12"Ø	●	●	
FD15014	14" Ø		●	

\* Columbus stocks with 12" sleeves & angles

### Fusible Links



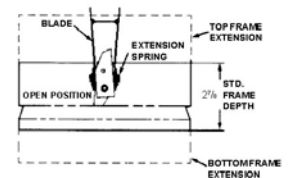
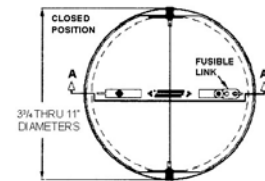
ACP Part Number	Degree	Cle	Col	Tol
165CLE	165°	●	●	
212CLE	212°	●	●	

## Radiation Dampers

### Model CRD-2

- ▶ **Round Radiation Damper**
- ▶ **Frame Construction:**  
*One-piece roll formed 22 ga. galvanized steel*
- ▶ **Blade Construction:**  
*22 Ga. Galvanized steel*
- ▶ **Fusible Link: UL listed 165° F**
- ▶ **Spring Extension type**
- ▶ **Finish: Mill**

ACP Part Number	Size	Cle	Col	Tol
CRD26	6"Ø	●		
CRD28	8"Ø	●		
CRD210	10"Ø	●		
CRD212	12"Ø	●		
CRD214	14"Ø	●		



### Model CRD-60

- ▶ **Square Ceiling Radiation Dampers**
- ▶ **Frame Construction:**  
*One-piece roll formed 22 ga. galvanized steel*
- ▶ **Tightly woven reinforced fiberglass fabric with aluminum impregnated fully sealed coating**
- ▶ **Stainless steel negator springs**
- ▶ **Fusible Link: UL listed 165° F**
- ▶ **Fabric riveted to blade; no adhesive used**

ACP Part Number	Size	Cle	Col	Tol
CRD602222	22 x 22	●		
CRD602210	22 x 10	●		



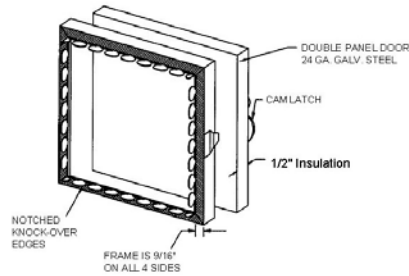
### Radiation Blanket

- ▶ **1/4" Thick ceramic fiber**

ACP Part Number	Size	Cle	Col	Tol
RB693058	24 x 24	●		

## Model CAD-10

- ▶ *Duct Access Door*
- ▶ *1" thick*

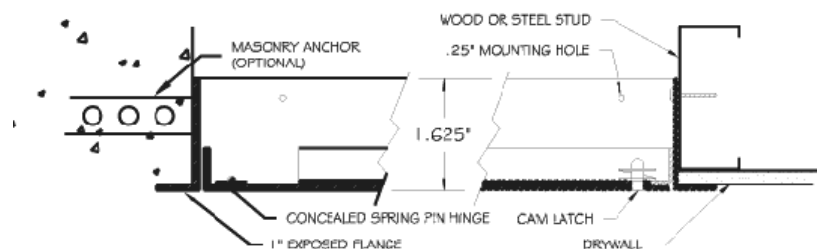


ACP Part Number	Size	Cle	Col	Tol
FDC66	6 x 6	●		●
FDC88	8 x 8	●		●
FDC1010	10 x 10	●		●
FDC1212	12 x 12	●		●
FDC1414	14 x 14	●		●
FDC1616	16 x 16	●		●
FDC1818	18 x 18	●		●
FDC2424	24 x 24	●		●

## Model 9TM

- ▶ *Drywall Access Door*
- ▶ *Door: 14 Ga. cold-rolled steel*
- ▶ *Frame: 16 Ga. cold-rolled steel with 1" flange*
- ▶ *Concealed spring hinge (opens to 175°)*
- ▶ *Screwdriver cam latch*
- ▶ *Phosphate dipped & prime coated finish*

ACP Part Number	Size	Cle	Col	Tol
9TM88	8 x 8	●		
9TM1010	10 x 10	●		
9TM1212	12 x 12	●		
9TM1818	18 x 18	●		
9TM2424	24 x 24	●		





## Duct Smoke Detectors

### Model # DH4120 ACDCI Duct Smoke Detector



The System Sensor Innovair™ *DH100ACDCI* is a 4-wire ionization air duct smoke detector capable of sensing smoke in air velocities from 500 to

4,000 feet per minute. This detector was developed to constantly monitor the air within a duct and to detect the presence of smoke.

ACP Part Number	Mfg. Model	Cle	Col	Tol
D4120	D4120	●		
6405	1'-2' Sampling Tube	●		
6410	2'-4' Sampling Tube	●		
6415	4'-8' Sampling Tube	●		
6420	8'-12' Sampling Tube	●		

The Innovair family is designed for simplified installation and easy maintenance. The modular construction allows for easy cleaning and uncomplicated field replacement of the UL recognized power and sensor boards.



**Model APA 451**  
Remote Annunciator with alarm

ACP Part Number	Mfg. Model	Cle	Col	Tol
6425	APA451	●		
6430	RTS451	●		
6435	RTS451 Key	●		



**Model RTS451**  
Magnetic Test/Reset Station



**Model RTS451Key**  
Key Remote Test/Reset Station

### Model # SSK451- Key Test Annunciator



The System Sensor SSK451 multi-signaling accessory is designed for use with System Sensor DH100ACDC duct smoke detector models and combines a horn feature with the key activated test and reset functions. Green, amber, and red LED's provide visual indication

of power, trouble and alarm conditions.

ACP Part Number	Mfg. Model	Cle	Col	Tol
6440	SSK451	●		
6445	PS24LO Strobe	●		
6450	PS12/24 SLENSW	●		

Optional: PS24LO Strobe  
PS12/24SLENSW "SMOKE" Lens (shown above)



PS24LO Strobe

## Draw Bands, Tool & Eggcrate

---

- ▶ *36" White Draw Bands*
- ▶ *43" Orange Draw Bands*
- ▶ *Tensioning Tool*

ACP Part Number	Size	Cle	Col	Tol
T150LL	36" Bands	●	●	●
T150XL	43" Bands	●	●	●
T150	Tension Tool	●	●	●

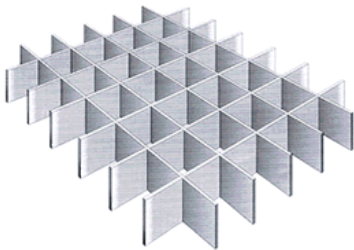



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## Norton Industries

- ▶ *Eggcrate-Aluminum & Plastic*

ACP Part Number	Size	Material	Cle	Col	Tol
EGGCRATE2448A	24 x 48	Aluminum	●		
EGGCRATE2448P	24 x 48	Plastic	●		



# Resp-O-Rater

## Model # JR-7 Resp-O-Rater

### Application:

- Wood workers & carvers exposed to non-toxic dust generated by cutting, sanding, grinding & sawing.
- Indoor workers exposed to non-toxic construction clean up and grain dust.
- Outside workers mowing grass, trimming bushes and trees, gardening, edging & sweeping. Great for allergy sufferers exposed to pollen or dust.

### Specifications:

**Type:** Modified mouthpiece, nuisance dust filter, with nose clip.

**Weight:** Under 7 ounces.

**Size:** 9" W x 12" L X 4 ¼" H

**Sizes:** One size fits all.

**Filter Media Color:** White

**Filter Media Type:** Nuisance dust only.

**Filter Efficiency:** 99% at .3 micrometers in diameter.

**Tubing:** Clear vinyl, food/water low-pressure use.

**Residual Air:** Less than 30 cubic centimeters.

**Exhaust Value:** Accordion pleated, individually factory pressure tested.



ACP Part Number	Description	Factory Model Number	Cle	Col	Tol
JR7	Resp-O-Rater	JR-7	●		
JRF99	Filters (2 pk)	JR-F99	●		
JRM7	Mouthpiece (2 pk)	JR-M7	●		

### **Features:**

- Total visibility in every direction.
- Lightweight
- No batteries to charge or replace.
- Can be worn with full face shields, safety goggles and most welding helmets.
- Compatible with hearing aids, hearing protection and headsets.
- Not evaluated by the National Institute for Occupational Safety & Health or Mine Safety and Health Association.

## Loudness

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### Suggested Limit For Room Loudness

Sones	DBA	Occupancy
1.3 – 4.0	32 - 48	<i>Private homes (rural &amp; suburban)</i>
1.7 – 5.0	36 - 51	<i>Conference rooms</i>
2.0 – 6.0	38 - 54	<i>Hotel rooms, libraries, movie theaters, executive offices</i>
2.5 – 8.0	41 - 58	<i>Schools &amp; classrooms, hospital wards &amp; operating rooms</i>
3.0 – 9.0	44 - 60	<i>Court rooms, museums, apartment houses and private homes (urban)</i>
4.0 – 12.0	48 - 64	<i>Restaurants, lobbies, general open offices &amp; banks</i>
5.0 – 15.0	51 - 67	<i>Corridors &amp; halls, cocktail lounges, washrooms &amp; toilets</i>
7.0 – 21.0	56 - 72	<i>Hotel kitchens and laundries, supermarkets</i>
12.0 – 36.0	64 - 80	<i>Light machinery, assembly lines</i>
15.0 – 50.0	67 - 84	<i>Machine shops</i>
25.0 – 60.0	74 – 87	<i>Heavy machinery</i>

*From AMCA Publication 302*

*Note: Values above are for room loudness and are not sound ratings.*

*Room loudness is the resulting level in a conditioned space after the acoustical qualities of the room have been accounted for.*

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### Criteria for Acceptable HVAC Noise Levels In Unoccupied Rooms

NC	Occupancy
15 - 20	<i>Concert and recital halls and recording studios</i>
20 - 25	<i>TV studios</i>
25 - 30	<i>Private residences, executive offices, conference rooms, hospital operating rooms and school lecture and classrooms</i>
30 - 35	<i>Apartments, hotel meeting rooms, private offices, hospital corridors &amp; movie theaters</i>
35 - 40	<i>Hotel halls, corridors and lobbies, hospital laboratories and public areas, libraries &amp; courtrooms</i>
40 - 45	<i>Office computer rooms and restaurants</i>
45 - 50	<i>Gymnasiums, supermarkets, post offices, locker rooms, laundries and bowling alleys</i>
50 - 75	<i>Warehouses, hangars, skating rinks, factories, machine shops and steel mills</i>

## Ventilation

### Fundamental Requirements for General Ventilation

*The intention of this article is to give you some basic formulas and guidelines for a proper general ventilation system. The objectives of a proper system are to remove hot, stale or stagnant air from the environment or to supply cooler, fresher air to the environment.*

*There are multiple methods of calculating the approximate required volume that is needed for a facility. We will discuss a couple of the basic methods.*

### Air Change Method

*For personal comfort, this method works best if the facility is not over 100 feet in length and not greater than 50,000 cubic feet in capacity. For larger buildings, booster/circulator fans may be required.*

$$\text{CFM} = \text{AREA TO BE VENTILATED (cubic feet)} / \text{Rate of Air Change (minutes)}$$

*For the suggestions of air changes per number of minutes refer to the following chart:*

Type of facility	Minute / A.C.	Type of Facility	Minutes / A.C.
Assembly Halls	3 - 10	Laundries	2 - 5
Auditoriums	4 - 10	Locker Rooms	2 - 5
Bakeries	1 - 3	Machine Shops	3 - 5
Banks	3 - 10	Mills (paper)	2 - 3
Beauty Parlors	2 - 5	Mills (Textile)	3 - 15
Boiler Rooms	2 - 4	Offices	2 - 8
Bowling Alleys	2 - 8	Packing Houses	2 - 5
Churches	4 - 15	Production Rooms	1 - 2
Corridors	6 - 20	Projection Rooms	1 - 3
Dry Cleaners	1 - 5	Recreation Rooms	2 - 8
Engine Rooms	1 - 2	Residences	2 - 5
Factory (Gen Vent)	5 - 10	Restaurants	5 - 10
Factory (fumes)	1 - 5	Retail Stores	3 - 10
Forge Shops	1 - 2	Sales Rooms	3 - 10
Foundries	1 - 4	Shops (Gen Vent)	3 - 10
Garages (Repair)	2 - 10	Stores	5 - 10
Generating Rooms	2 - 5	Theaters	3 - 8
Glass Hants	1 - 2	Toilets	2 - 5
Gymnasiums	2 - 10	Transformer Rooms	1 - 5
Heat Treat Rooms	½ - 1	Waiting Rooms	10
Kitchens	1 - 3	Warehouses	2 - 10

## Air Distribution & Sound Attenuation

- ◆ Price Industries  
air devices, terminal units,  
chilled beams, UFAD, displacement
- ◆ Air Concepts  
architectural air devices
- ◆ Thermal Products  
thermal actuated diffusers
- ◆ Aerosonics  
sound attenuators & plenums

## Duct Systems

- ◆ Ductsox, Inc.  
fabric duct
- ◆ Flexmaster USA/Masterduct  
flexible ducts, industrial hoses
- ◆ Blue Duct  
high density polyethylene underground duct
- ◆ Lindab  
self-sealing spiral duct
- ◆ Metal-Fab, Inc.  
prefabricated chimneys, flues, grease ducts
- ◆ Monoxivent  
FRP ductwork

## Exhaust Systems

- ◆ Carmon  
vehicle exhaust, source capture
- ◆ Greenheck Fan Corp.  
kitchen hoods
- ◆ Tjernlund Fans  
flue venting, dryer exhaust
- ◆ Monoxivent  
vehicle exhaust, source capture

## Electric Heat

- ◆ Markel Products  
space heating, duct heaters
- ◆ Neptronic  
duct heaters
- ◆ Reddi  
electric fan coils

## Air Movement

- ◆ Greenheck Fan Corp.  
all fan types
- ◆ Fantech  
inline fans; dryer exhaust
- ◆ Broan/Nutone  
ceiling exhaust fans
- ◆ Macro-Air  
large diameter fans 8' - 24'
- ◆ Tjernlund  
duct inducers, modulating  
combustion air, dryer exhaust

## Air Volume Control

- ◆ Air Balance, Inc.  
dampers, louvers
- ◆ Greenheck Fan Corp.  
louvers, dampers
- ◆ Kees, Inc.  
air mixers
- ◆ Metropolitan Air Technology  
cable one battery operated dampers

## Air Handlers & Equipment (MUA,ERV& Coils)

- ◆ Ambi-Rad  
gas infrared heating
- ◆ Greenheck Fan Corp.  
make-up air, energy recovery, lab exhaust,  
air handlers
- ◆ Lennox  
2 - 50 ton packaged RTU
- ◆ Neptronic  
humidifiers, controls, actuators
- ◆ Powered Aire  
air doors
- ◆ Titan  
make-up air
- ◆ USA Coil  
replacement coils, fan coils
- ◆ Heat Pipe Technology Inc.  
wrap around heat pipes, energy recovery

## Custom Air Handlers

- ◆ EAS
- ◆ ClimateCraft

## Life Safety Dampers

- ◆ Air Balance, Inc.  
fire, fire-smoke, smoke dampers
- ◆ Greenheck Fan Corp.  
fire, fire-smoke, smoke dampers

## Sensors and Controllers

- ◆ Air Monitor  
flow stations; OA measuring
- ◆ Armstrong Monitoring  
hazardous gas detectors
- ◆ Melink Corporation  
variable volume kitchen exhaust
- ◆ System Sensor  
smoke detectors
- ◆ TSI, Inc.  
room pressurization monitors and  
lab hood controls

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**Air Control**  
Products, Inc.

440-526-3020

[www.aircontrolproducts.com](http://www.aircontrolproducts.com)

## Air Quality & Filtration

- ◆ Steril-Aire  
UVC emitters
- ◆ Koch Filters  
particulate, HEPA, carbon filters
- ◆ Promark  
gas phase filtration
- ◆ Barnebey Sutcliffe  
carbon filtration

## Sheet Metal Accessories & Curbs

- ◆ Cierra Products  
roof hatches, access doors
- ◆ Flexmaster USA  
sheet metal fittings
- ◆ Roof Products & Systems  
roof curbs & rails
- ◆ Southwark Metals  
sheet metal pipe & fittings





# AirControl Products, Inc.

Advance Controls, Inc.	Starters
Aerosonics	Sound Attenuators & Acoustical Enclosures
Air Balance, Inc.	Louvers, Fire, Smoke, Control Dampers
Air Concepts	Punkah Diffusers & Architectural Grilles
Air Monitor Corporation	Airflow & Pressure Measuring Stations; OA Measuring
Ambi-Rad	Gas Fired Radiant Tube Heating
Armstrong Monitoring Corporation	CO & Gas Hazardous Detection Systems
ATCO	Economical Flexible Duct
Barnebey Sutcliffe	Carbon Filtration
Blue Duct	High Density Polyethylene Underground Duct
Broan / Nutone, LLC	Fans - Bath & Residential Kitchen
Buckley Air Products, Inc.	Bellmouths & Sheet Metal Take-offs
Cierra Products	Access Doors & Roof Hatches
Climatecraft	Custom Air Handling Units
Donco Air Products	Air Distribution
Ductsox	Fabric Air Dispersion Systems
E.A.S. (Environmental Air Systems)	Custom Air Handling Units
Fantech, Inc.	Fans
Flexmaster USA, Inc.	Flexible and Acoustical Duct & Sheet Metal Fittings
Greenheck Fan Corporation	Fans & Ventilators Centrifugal & Industrial Fans Kitchen Ventilation Systems Fire, Smoke, Control Dampers & Louvers Energy Recovery Ventilation & Make-up Air
Heat Pipe Technology Inc.	Wrap Around Heat Pipes & Energy Recovery
Kees, Inc.	Air Mixers
Koch Filter Corporation	Air Filtration
Lennox	2 - 50 Ton Packaged RTU
Lindab, Inc.	Spiral Duct & Gasketed, Self-sealing spiral fittings
Macro-Air	Large Diameter Fans 8' - 24'
Markel Products	Electric Heaters
Masterduct	Industrial Hoses
Melink Corporation	Variable Volume Kitchen Exhaust
Metal Fab, Inc.	Flue, Chimney Pipe & Fittings
Metropolitan Air Technology	Cable Operated Remote Dampers
Monoxivent	FRP Ductwork, CO Exhaust Systems & Source Capture System
Neptronic	Humidifiers, Electric Duct Heaters, Actuators
Powered Aire	Air Doors
Price Industries	Air Devices, Terminal Units, Chilled Beams, UFAD, Displacement
Promark Associates, Inc.	Odor Abatement & Toxic Gas Filtration
Redd-i-Heat	Fan Powered V.A.V. Boxes & Duct Heaters
Roof Products & Systems	Curbs, Rails & Pipe Portals
Southwark Metal Manufacturing, Co.	Metal Products
Steril-Aire	UVC Emitters for HVAC
System Sensor	Smoke Detectors
T.S.I., Inc.	Lab & Fume Hood Control Systems
Titan Air, Inc.	Make up Air, 80/20 Units & Demand Air
Tjenlund Products, Inc.	Flue Venting, Dryer Exhaust
Thermal Products Corporation	Thermal Actuated Diffusers
U.S.A. Coil & Air	Replacement Coils, Tube Bundles & Fan Coils



ACP ~ Cleveland ~ World Headquarters

3800 Towpath Road

Broadview Hts, Ohio 44147

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[www.aircontrolproducts.com](http://www.aircontrolproducts.com)



# Air Control Products, Inc.

www.aircontrolproducts.com



*Air Control Products and USA Coil & Air have partnered together for over 30 years on being your replacement coil solution.*

- Countless replacement coil designs and arrangement have been built by USA Coil.
- We offer a quick build program on a 5 or 10 working day delivery.
- We have a coil replacement guide that simplifies the process.
- Let ACP show you...Contact your ACP Salesperson or Janet...440-526-3020.



www.usacoil.com

**DON'T FORGET FREEZE PROTECTION**



**Protect your building with Sentry-Guard  
freeze protection on outside air coils...  
Guaranteed!**

## How can we help?

Fax: 440-526-0503

Call: 440-526-3020 ask for your ACP salesperson or Janet

E-mail: [janet@aircontrolproducts.com](mailto:janet@aircontrolproducts.com)

- I would like  Measuring Guide
- Measuring Manual
- Sentry Guard Freeze Brochure Needed
- Need assistance with replacement coil

Company Name: \_\_\_\_\_

Your Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

e-mail Address: \_\_\_\_\_

# Coil Ordering Form

COMPANY NAME:  
 CONTACT:  
 PHONE:  
 FAX:  
 PROJECT:  
 DATE:

USA COIL & AIR, INC.  
 P.O. BOX 576  
 DEVAULT, PA 19432  
 (610)-296-9668  
 800-872-2645  
 FAX (610)-296-9763

\* REQUIRED FOR PRICING ANY COIL.  
 ADDITIONAL INFORMATION  
 WILL BE REQUIRED TO ACCURATELY  
 BUILD COIL.  
**FORM # CC-100**

NOMENCLATURE		UNIT OR COIL INFORMATION			ARRANGEMENTS		ROWS/FPI	
ITEM #	QTY.	TAG	(1) ORIGINAL MANUFACTURER UNIT MODEL #	(1-A) ORIGINAL MANUFACTURER COIL MODEL #	* (L-F) COIL TYPE	(2) COIL ARRGT	(3) CONN ARRGT	* (5)   * (6) ROWS   FPI

NOM.	ITEM #	INTERIOR AND EXTERIOR DIMENSIONS							CONNECTION SIZES AND LOCATIONS										
		CH	X	CL	X	CD	OLH	(9) OLH	(10) A	(11) B	(12) C	(12) D	(13) SUPPLY	(13) RETURN	(14) X	(14) Y	(15) Z	(16) TYPE	
	* (7) FH X FL																		

NOM.	ITEM #	CONSTRUCTION						
		* (17) TUBE OUTSIDE DIA.	* (18) TUBE MATERIAL	* (19) FIN MATERIAL	(20) HEADER MATERIAL	(21) CONNECTIONS TYPE/MATERIAL	* (22) CASING GAUGE/MATERIAL	(23) COIL CIRCUITRY

SPECIAL/REMARKS

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# How to field measure coils for replacement.

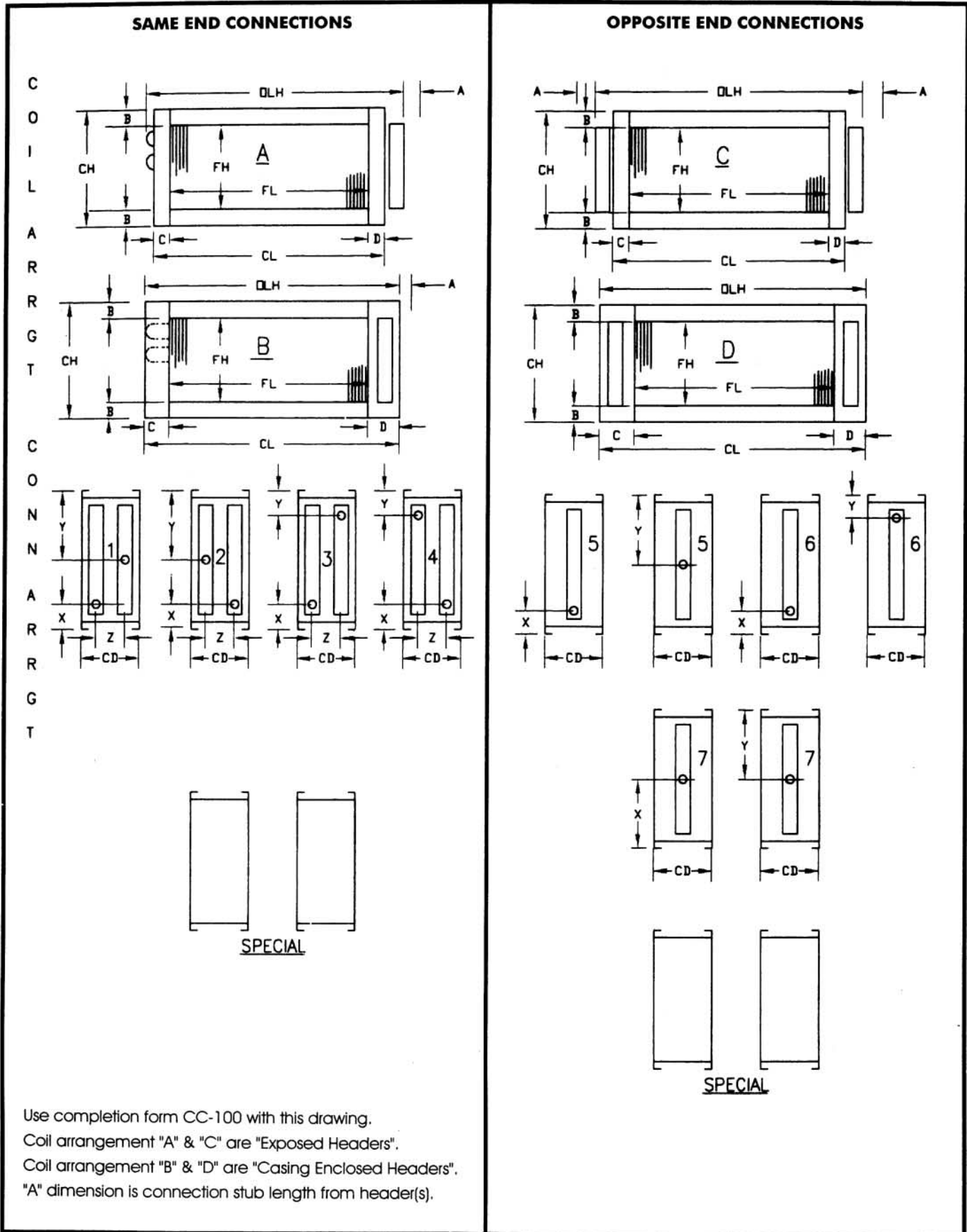
Below is a step-by-step description of all the steps required to accurately measure any coil for replacement. Please note that there are only 8 to 10 key components required to duplicate any coil. Also note that each step # below matches the corresponding # on Form CC-100.

USA offers a "Coil Sidekick" which is a tool that helps you measure several of these key dimensions. Please ask your local representative for one of these, or contact USA Coil & Air directly at 800-872-2645.

- (1) Determine coil type: Hot water, chilled water, steam, DX, condenser. If you are looking at a non-freeze steam coil, then you should refer to Dwg. #RSD-400. If you are looking at any water coil, then you should refer to Dwg. #RW-200, etc.
- (2) Stand on the entering or leaving air side of the coil (it doesn't matter which side you choose), and match up the coil that you are looking at to the appropriate lettered drawing. For example: a same end connected non-freeze coil would be Dwg.#"A", and an opposite end connected steam coil would be Dwg.#"C".
- (3) Walk around to the connection end of the coil, so that the connections are pointing directly at you. Match up the connection arrangement on the bottom of the drawing. For example: a same end coil being supplied in the middle and returned on the bottom of the same header would be connection arrangement #1. Circle or put an arrow next to the configuration that you are replacing.
- (4) Once you have noted what the coil looks like on the drawing, go to form #CC-100 and fill in the appropriate coil arrangement and connection arrangement under the proper columns marked #'s 2 and 3.
- (5) Count the number of rows deep in the direction of airflow from front to back. An appropriate number would be anywhere from 1 thru 10 rows.
- (6) Count the number of fins/inch. Place a ruler on the fins and count the number of fins in any inch.
- (7) Measure the finned area of the coil. This is the actual "open" area that the air passes across.
- (8) Most coils have some kind of casing around the finned area. This is the "envelope" dimensions of the coil. "CH" is the overall casing height, "CL" is the overall casing length, and "CD" is the overall casing depth.
- (9) The "OLH" dimension is the overall length to include the manifolds and the return bends, which often stick out beyond the casing. Do not include the length of the connection stubs, as they will be measured later. Fill in the "OLH" dimension under column #9.
- (10) Dimension "A" is the stub length. It can vary from 1" long to 8" long. This is not the diameter.
- (11) "B" is the width of the casing on both the top and bottom of the coil. They are usually the same dimension. Fill in "B" under column #11.
- (12) "C" and "D" are the widths of the casing on each end of the coil.
- (13) Measure the I.D. of the coil connections, and this will give you the proper supply and return connection size. Please note that the supply size and return size can be the same or different.
- (14) "X", "Y", position the connections properly for direct replacement, so you don't have to change the piping. Both "X" and "Y" are measured from the top and/or bottom of the casing to the centerline of the connection. Don't measure from the top or bottom of the header, because there is no guarantee that the header runs to the top or bottom of the coil.
- (15) "Z" is the horizontal centerline between the (2) headers, if the coil is same end connected. Measure from the centerline of one header to the centerline of the other header.
- (16) Connection type is either: Sweat, M.P.T., F.P.T.
- (17) Tube outside diameter is either: 3/8", 1/2", 5/8", 7/8", or "1".
- (18) Tube material is either: Copper, Aluminum, Cupro-Nickel, Brass, Steel or Stainless Steel.
- (19) Fin material is either: Aluminum, Copper, Steel or Stainless Steel.
- (20) Header material usually matches tube material. It is possible to have steel headers with different material tubes.
- (21) Connections can be Copper, Steel, Cupro-nickel, Brass or even Aluminum.
- (22) Casing is typically Galv. Steel, Stainless Steel or Aluminum. Gauges run from 18 Ga. to 8 Ga.
- (23) Circuiting is the number of tubes that the supply header feeds. Determine which of the headers is the supply header. Count the number of tubes which are connected to the supply header either visually, or by running your hand down the back of the header and feeling the number of tubes connected to the header. Fill in # of tubes under column #23.

# Standard Steam Heating Coils

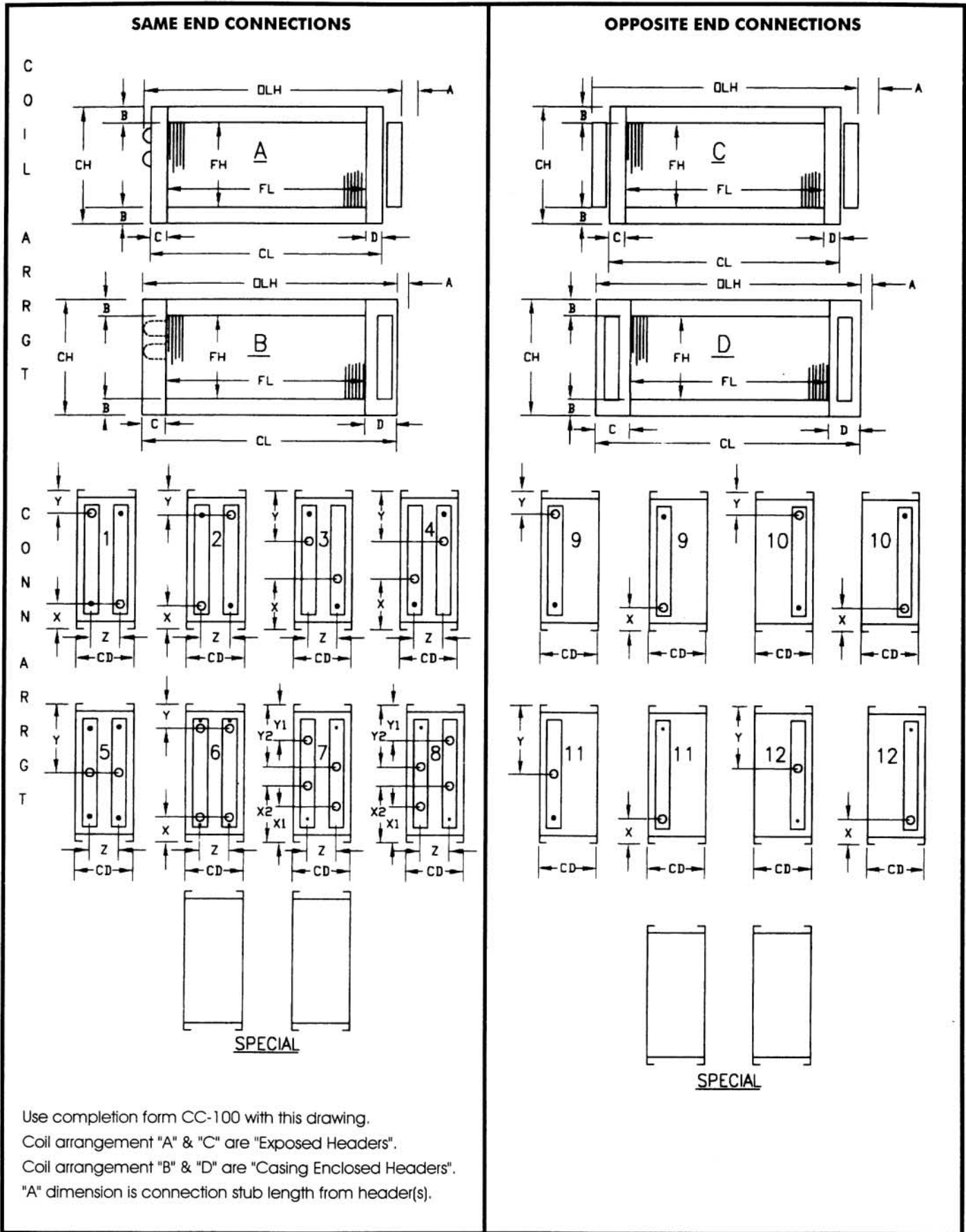
STANDARD STEAM HEATING COILS (SINGLE TUBE) • DWG. NO. RSS-300



Use completion form CC-100 with this drawing.  
 Coil arrangement "A" & "C" are "Exposed Headers".  
 Coil arrangement "B" & "D" are "Casing Enclosed Headers".  
 "A" dimension is connection stub length from header(s).

# Water Heating & Cooling Coils

WATER HEATING & COOLING COILS • DWG. NO. RW-200



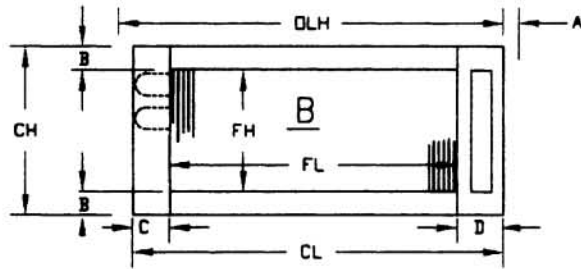
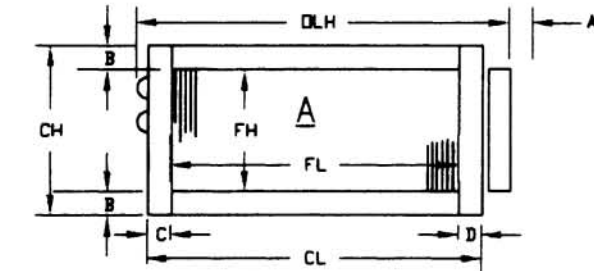
Use completion form CC-100 with this drawing.  
 Coil arrangement "A" & "C" are "Exposed Headers".  
 Coil arrangement "B" & "D" are "Casing Enclosed Headers".  
 "A" dimension is connection stub length from header(s).



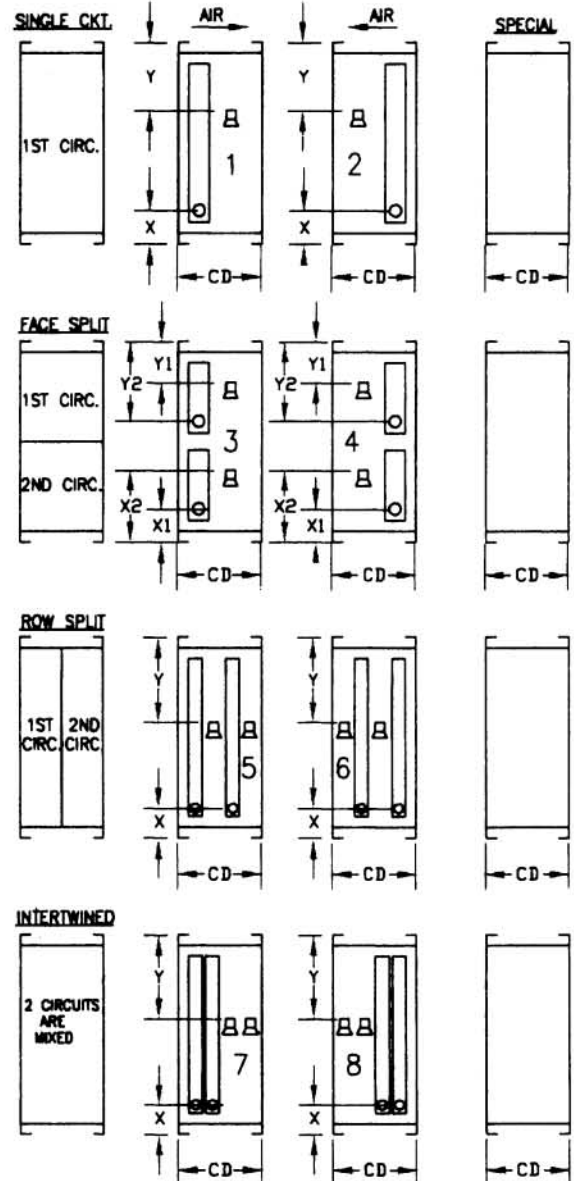
# DX Evaporator Coils

## DX EVAPORATOR COILS (WITH DISTRIBUTOR(S)) • RDX-500

### COIL ARRANGEMENT



### CONNECTION ARRANGEMENT



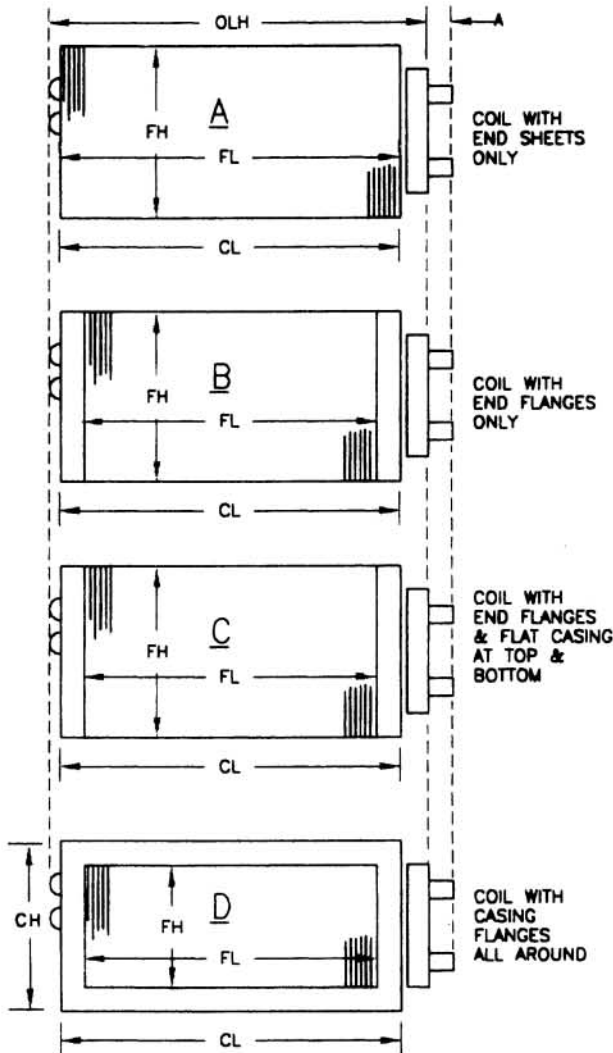
Use completion form CC-100 with this drawing.  
 Coil arrangement "A" & "C" are "Exposed Headers".  
 Coil arrangement "B" & "D" are "Casing Enclosed Headers".  
 "A" dimension is connection stub length from header(s).

# Condenser Coils

Air Control Products, Inc.  
 3800 Towpath Road  
 Cleveland, Ohio 44147  
 (P) 440-526-3020 (F) 440-526-0503  
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CONDENSER COILS • DWG. NO. RCC-600

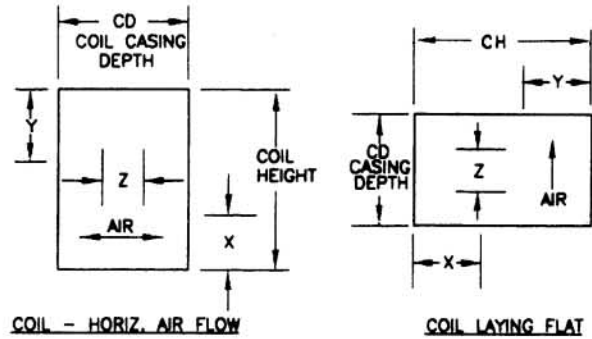
## #1 COIL ARRANGEMENT & BASIC DIMENSIONS



### #1 Directions

- Select coil arrangement "A" thru "D".
  - Measure FH, FL, CH (if required), CL and OLH (overall length including headers) and "A" (conn. stub length) if connections run same direction as tubes. (Connections can run 90 degree to tube direction.)
  - Record rows, FPI.
  - Record connection size (usually O.D. sweat).
- Use Completion Form CC-100 with this drawing.

## #2 DEFINING CASING DEPTH & CONNECTION LOCATIONS



### #2 Directions

- Measure "CD" dimension (casing depth).
- Measure "X" dimension - from very bottom of coil (or side if coil lays flat) to center line of lowest coil connection.
- Measure "Y" dimension from top to center line (or side if coil lays flat).
- Measure center line between connections "Z".

### #3 Defining a coil's circuitry.

(Return bends, header, etc. is confusing.) USA gives you two options as follows:

#### OPTION #1

Take complete photos of the end view of coil at both ends. Make sure that it is well lighted and that you get the whole end view from one end (top to bottom) to other. If you need to take multiple shots USA will be able to put them together. Try to put them at a slight angle to headers so we can see the tube connection to the headers.

#### OPTION #2

Supply this drawing with completion form and supply the following information:

1. Tube O.D. \_\_\_\_\_, NO. of tubes high in single row of tubes \_\_\_\_\_, NO. of tubes connected to hot gas inlet header \_\_\_\_\_, NO. of tubes connected to liquid outlet \_\_\_\_\_, Unit tonnage \_\_\_\_\_, NO. of cond. coils in unit \_\_\_\_\_.