

H&B ENGINEERED PRODUCTS



WAREHOUSE CATALOG



Virginia

H&B Supply

13843 Redskin Dr

Herndon, VA 20171

Phone: 703-437-3301

vahbsupply@hbproducts.com



Washington DC

H&B Supply

3381 A-B 75th Ave

Landover, MD 20785

Phone: 301-773-5300

mdhbsupply@hbproducts.com



Baltimore

J-K HVAC Supply, Inc.

717 N Hammonds Ferry Rd, Unit N

Linthicum, MD 21090

Phone: 410-563-4705

baltimore.warehouse@hbproducts.com

www.hbproducts.com

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WAREHOUSE STOCK CATALOG

Introduction

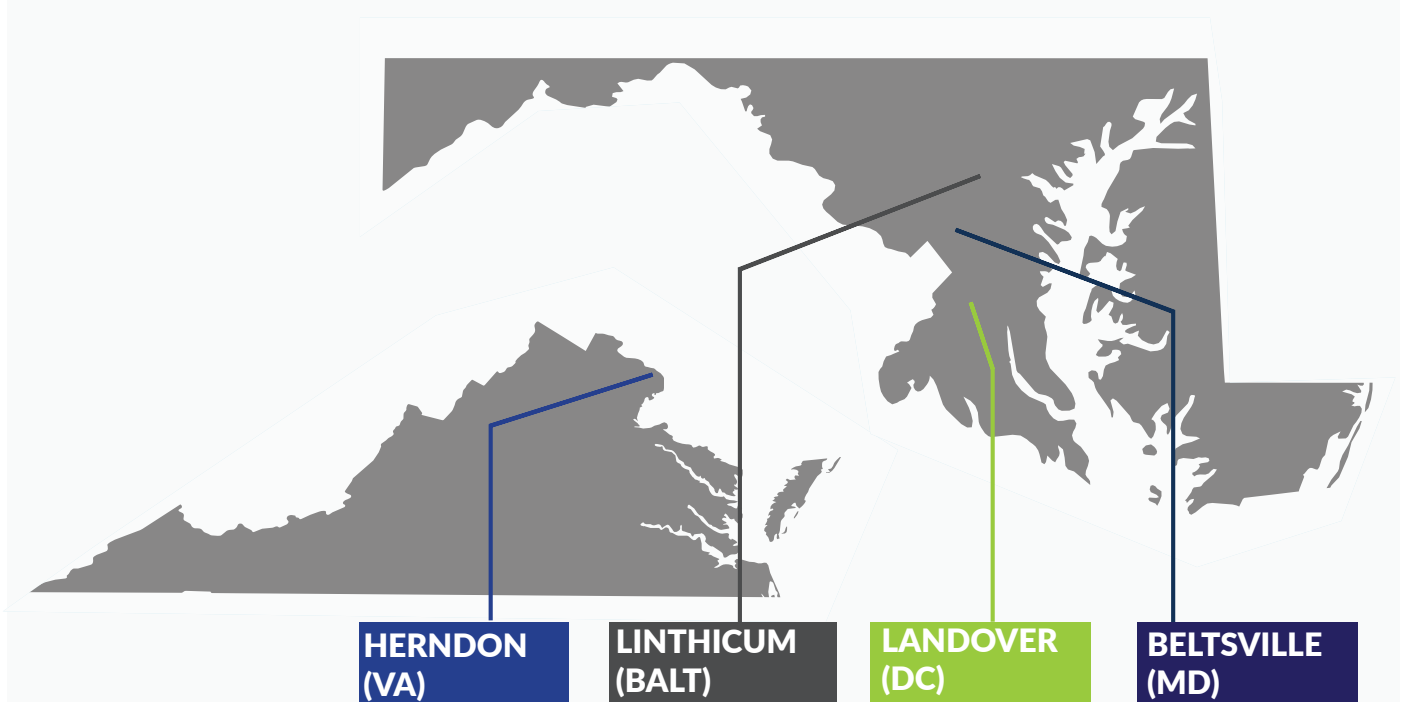
H&B locations stand ready to remedy construction emergencies and speed up quick-builds. Our stocked material is carefully chosen and continually updated to meet your needs and increase efficiency on the job-site. Warehouse Managers and customer service personnel are fully knowledgeable on our products ranging from air devices, dampers, and louvers to mechanical applications including fans and split systems. Discussing specific product and delivery requests with our team is encouraged.

3 EXPANSIVE WAREHOUSE LOCATIONS

ABUNDANTLY STOCKED AND

READY TO SERVE

LOCATIONS AND CONTACTS



Name	Email	Phone
Linthicum (Balt)	baltimore.warehouse@hbproducts.com	410-563-4705
Cliff Romer	clifton.romer@hbproducts.com	
Jacob Vincent	jacob.vincent@hbproducts.com	
Landover (DC)	mdsupply@hbproducts.com	301-773-5300
Ron Errico	ron.errico@hbproducts.com	
Tito Torrejon	tito.torrejon@hbproducts.com	
Herndon (VA)	vahbsupply@hbproducts.com	703-437-3301
Jim Cowgill	jim.cowgill@hbproducts.com	
Chris Yeager	chris.yeager@hbproducts.com	
Beltsville (MD)		301-918-0241
H&B Engineered Products Office	hbdrawing@hbproducts.com	



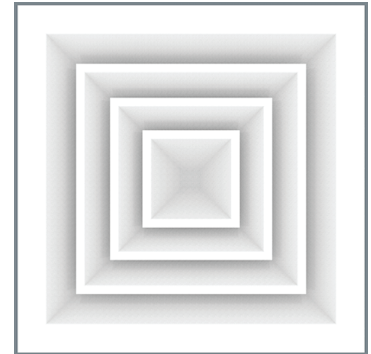
METALAIRE

5500S-6 (TDC)

Steel louvered face diffuser

Steel 4 way blow directional diffuser with easy to remove cores - no tools required. 5500 series deflector blades include a horizontal lip, making this diffuser an excellent choice for high induction applications.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	THROW
MA-5500S6-0606	Lay - In	24 x 24	6 x 6	50-185	4-34
MA-5500S6-0909	Lay - In	24 x 24	9 x 9	113-349	6-30
MA-5500S6-1212	Lay - In	24 x 24	12 x 12	200-560	9-29
MA-5500S6-1515	Lay - In	24 x 24	15 x 15	313-812	12-30
MA-5500S6-1818	Lay - In	24 x 24	18 x 18	450-1225	16-32



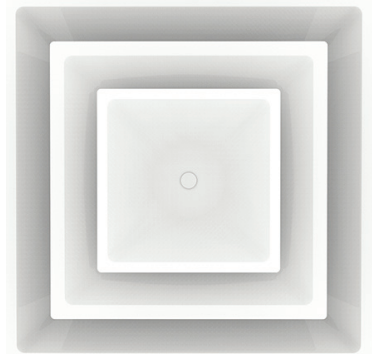
METALAIRE

5700-6 (TMS)

Square louvered faced diffuser

Steel 2-Cone square face diffuser with round neck. The 5700 provides a tight horizontal 360° discharge pattern for superior induction and occupant comfort. Optional BDS damper.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	THROW
MA-57006-06-12	Lay - In	12 x 12	6	80-211	6-9
MA-57006-08-12	Lay - In	12 x 12	8	140-338	8-13
MA-57006-06-24	Lay - In	24 x 24	6	80-298	7-15
MA-57006-08-24	Lay - In	24 x 24	8	140-490	10-18
MA-57006-10-24	Lay - In	24 x 24	10	220-655	12-21
MA-57006-12-24	Lay - In	24 x 24	12	315-863	15-25
MA-57006-14-24	Lay - In	24 x 24	14	430-1131	17-28



METALAIRE

5700A-6 (TMSA)

Square louvered faced diffuser

Steel 2-Cone square face diffuser with round neck. The 5700A can adjust from horizontal to vertical discharge.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	THROW
MA-5700A6-06-24	Lay - In	24 x 24	6	80-298	7-15
MA-5700A6-08-24	Lay - In	24 x 24	8	140-490	10-18
MA-5700A6-10-24	Lay - In	24 x 24	10	220-655	12-21
MA-5700A6-12-24	Lay - In	24 x 24	12	315-863	15-25
MA-5700A6-14-24	Lay - In	24 x 24	14	430-1131	17-28

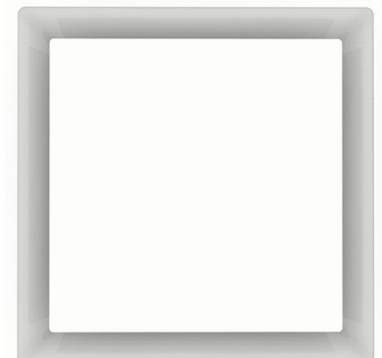
METALAIRE

5750-6 (OMNI)

Architectural square plaque diffuser

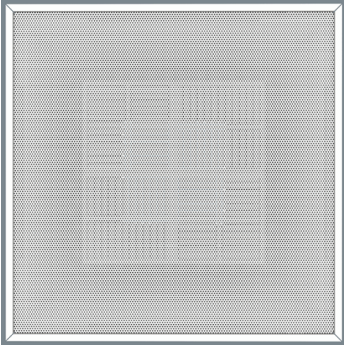
Steel square panel-face ceiling diffuser. The 5750 provides a tight 360° discharge pattern for superior induction and occupant comfort.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	THROW
MA-57506-06-24	Lay - In	24 x 24	6	80-267	5-12
MA-57506-08-24	Lay - In	24 x 24	8	140-373	6-13
MA-57506-10-24	Lay - In	24 x 24	10	220-490	8-16
MA-57506-12-24	Lay - In	24 x 24	12	315-705	10-19
MA-57506-14-24	Lay - In	24 x 24	14	430-855	11-21



7500-6 (PAS/PAR)**METALAIRE****Perforated face ceiling diffuser with face mounted pattern controllers**

Steel supply/return perforated ceiling diffusers have a round neck and face mounted adjustable pattern controllers. Pattern controllers are adjustable from vertical to horizontal discharge patterns. Optional BDS damper.



MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	THROW
MA-75006-06-12	Lay - In	12 x 12	6	60-188	4-8
MA-75006-06-24	Lay - In	24 x 24	6	60-188	4-8
MA-75006-08-24	Lay - In	24 x 24	8	105-280	5-10
MA-75006-10-24	Lay - In	24 x 24	10	165-402	6-12
MA-75006-12-24	Lay - In	24 x 24	12	235-539	7-14
MA-75006-14-24	Lay - In	24 x 24	14	320-687	9-15
MA-75006-16-24	Lay - In	24 x 24	16	420-859	10-17

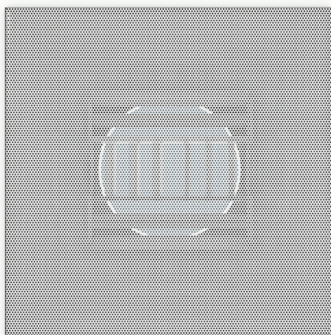
7500R-6 (PAS/PAR)**METALAIRE****Perforated face ceiling diffuser**

Steel supply/return perforated ceiling diffusers have a round neck. Optional BDS damper.

MA-7500R6-06-24	Lay - In	24 x 24	6	60-268	-
MA-7500R6-08-24	Lay - In	24 x 24	8	105-385	-
MA-7500R6-10-24	Lay - In	24 x 24	10	165-600	-
MA-7500R6-12-24	Lay - In	24 x 24	12	235-825	-
MA-7500R6-14-24	Lay - In	24 x 24	14	320-997	-
MA-7500R6-16-24	Lay - In	24 x 24	16	420-1208	-
MA-7500R6-18-24	Lay - In	24 x 24	18	520-1400	-
MA-7500R6-2210-2412	Lay - In	24 x 12	22 x 10	420-1208	-
MA-7500R6-2222-2424	Lay - In	24 x 24	22 x 22	942-2092	-

7600-6 (PCS)**METALAIRE****Perforated face ceiling diffuser with curved blade pattern controller**

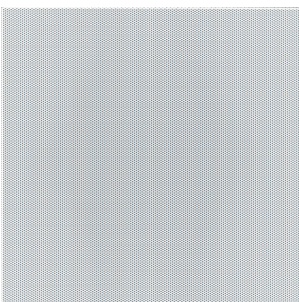
Steel supply or return perforated ceiling diffuser. Curved blade pattern controllers are neck mounted and are adjustable from vertical to horizontal air patterns. Optional BDS damper.



MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	THROW
MA-76006-06-24	Lay - In	24 x 24	6	60-195	5-9
MA-76006-08-24	Lay - In	24 x 24	8	105-333	6-12
MA-76006-10-24	Lay - In	24 x 24	10	165-457	8-13
MA-76006-12-24	Lay - In	24 x 24	12	235-610	9-16
MA-76006-14-24	Lay - In	24 x 24	14	320-776	11-17
MA-76006-16-24	Lay - In	24 x 24	16	420-975	12-19

SPRTB (PXP)**METALAIRE****Perforated screen for non-ducted plenum**

MODEL	MOUNT	MODULE SIZE	CFM RANGE
MA-SPRTB-24	SURFACE	24 x 24	735-1981



METALAIRE

BDS

BDS steel butterfly damper

The model BDS is a steel Butterfly Damper with Adjustable Blades.

MODEL	NECK SIZE
MA-BDS-06	6
MA-BDS-08	8
MA-BDS-10	10
MA-BDS-12	12
MA-BDS-14	14
MA-BDS-16	16



METALAIRE

STBPF (TRM)

T-Bar plaster frame

Plaster frame for T-bar frame style ceiling diffuser into plaster or gypsum type ceilings

MODEL	MOUNT	MODULE SIZE
MA-STBPF-1212	Lay - In	12 x 12
MA-STBPF-2412	Lay - In	24 x 12
MA-STBPF-2424	Lay - In	24 x 24
MA-STBPF-4824	Lay - In	48 x 24



METALAIRE

PFSM (Frames)

Plaster frames

Provides a uniform opening in plaster ceilings or sidewalls to accommodate grilles and registers. Plaster frames are available for all ceiling and sidewall grilles and registers.

MODEL	MOUNT	LENGTH	SLOTS	SLOT SIZE
MA-PFSM-24/2/1	Lay - In	24	2	1"
MA-PFSM-48/2/1	Lay - In	48	2	1"
MA-PFSM-48/2/1.5	Lay - In	48	2	1.5"



METALAIRE

PHPSI (TBDI-80)

Plenum slot diffuser - adjustable pattern controller

Steel supply/return plenum slot diffusers with heavy duty extruded aluminum single blade pattern controllers, and gasket for horizontal discharge pattern. Field adjustable pattern controllers allow the throw to be changed from vertical to horizontal.



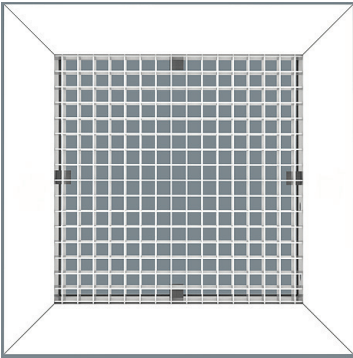
MODEL	MOUNT	LENGTH	SLOTS	SLOT WIDTH	NECK SIZE	CFM RANGE	THROW
MA-PHPSI6-08-24/2/1	Lay - In	24	2	1"	8	20-180	1-21
MA-PHPSI6-08-48/2/1	Lay - In	48	2	1"	8	40-336	1-29
MA-PHPSI6-10-48/2/1	Lay - In	48	2	1"	10	40-336	1-29
MA-PHPSI6-12-48/2/1	Lay - In	48	2	1.5"	12	40-450	2-33

CC5TB (50F)

METALAIRE

Eggcrate grille

Aluminum cubed core return and exhaust grilles are designed to provide low pressure drops and low sound levels.



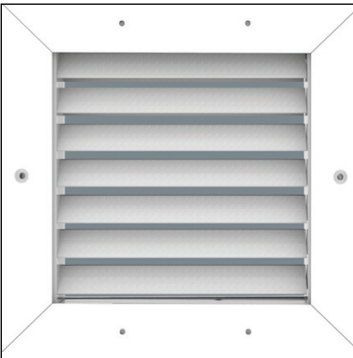
MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE
MA-CC5TB-1010-1212	Lay - In	12 x 12	10 x 10	131-653
MA-CC5TB-2210-2412	Lay - In	24 x 12	22 x 10	287-1338
MA-CC5TB-2222-2424	Lay - In	24 x 24	22 x 22	642-2728
MA-CC5TB-4622-4824	Lay - In	48 x 24	46 x 22	1410-5112

DGDF (T700L)

METALAIRE

Aluminum door grilles

Series DG extruded aluminum door grilles are designed to transfer air through doors or walls. The DG series include "V" shaped louvers providing a sight-proof return or exhaust grille regardless of the viewing angle, as well as double flange frame.



MODEL	MOUNT	NECK SIZE	CFM RANGE
MA-DGDF-1212	Surface	12 x 12	200-433
MA-DGDF-1812	Surface	18 x 12	300-563
MA-DGDF-1818	Surface	18 x 18	450-750
MA-DGDF-2412	Surface	24 x 12	400-700
MA-DGDF-2424	Surface	24 x 24	800-1100

RHF-1 (350FLF1)

METALAIRE

Aluminum filter return grilles

Model RH return grilles combine the advantages of corrosion resistant construction and durability with an attractive design, excellent performance, and competitive pricing.

MODEL	MOUNT	MODULE SIZE	CFM RANGE
MA-RHF1-1212	SURFACE	12 x 12	177-494
MA-RHF1-1818	SURFACE	18 x 18	415-1002
MA-RHF1-2020	SURFACE	20 x 20	515-1235
MA-RHF1-2412	SURFACE	24 x 12	365-911
MA-RHF1-2424	SURFACE	24 x 24	752-1653

RH-TB (350FL)

METALAIRE

Roll formed aluminum return air grilles

Model RH return grilles combine the advantages of corrosion resistant construction and durability with an attractive design, excellent performance, and competitive pricing.



MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE
MA-RH-TB2210-2412	Lay - In	24 x 12	22 x 10	300-750
MA-RH-TB2222-2424	Lay - In	24 x 24	22 x 22	672-1905
MA-RH-TB4622-4824	Lay - In	48 x 24	46 x 22	1200-2850

METALAIRE

RH (350FL)

Roll formed aluminum return air grilles

Model RH return grilles combine the advantages of corrosion resistant construction and durability with an attractive design, excellent performance, and competitive pricing.

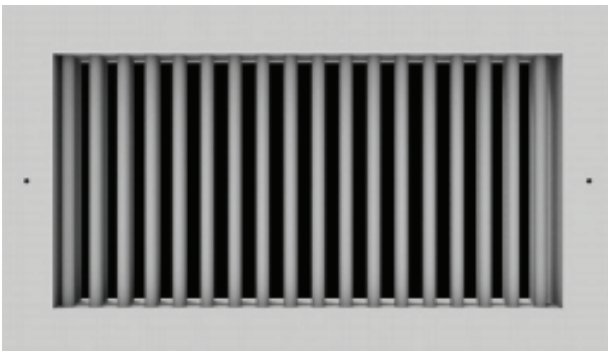
MODEL	MOUNT	NECK SIZE	CFM RANGE
MA-RH-0604	Surface	6 x 4	40-230
MA-RH-0606	Surface	6 x 6	50-265
MA-RH-0804	Surface	8 x 4	46-248
MA-RH-0806	Surface	8 x6	67-317
MA-RH-0808	Surface	8x8	89-415
MA-RH-1004	Surface	10x4	50-265
MA-RH-1006	Surface	10x6	83-389
MA-RH-1008	Surface	10x8	100-433
MA-RH-1010	Surface	10x10	139-579
MA-RH-1204	Surface	12x4	67-317
MA-RH-1206	Surface	12x6	100-450
MA-RH-1208	Surface	12x8	133-555
MA-RH-1210	Surface	12x10	167-667
MA-RH-1212	Surface	12x12	200-767
MA-RH-1404	Surface	14x4	67-317
MA-RH-1406	Surface	14x6	100-450
MA-RH-1408	Surface	14x8	139-579
MA-RH-1410	Surface	14x10	167-667
MA-RH-1412	Surface	14x12	233-856
MA-RH-1414	Surface	14x14	272-953
MA-RH-1606	Surface	16x6	133-555
MA-RH-1608	Surface	16x8	145-578
MA-RH-1610	Surface	16x10	200-767
MA-RH-1612	Surface	16x12	250-917
MA-RH-1614	Surface	16x14	300-1050
MA-RH-1616	Surface	16x16	350-1167
MA-RH-1806	Surface	18x6	139-579
MA-RH-1808	Surface	18x8	200-767
MA-RH-1810	Surface	18x10	250-917
MA-RH-1812	Surface	18x12	300-1050
MA-RH-1814	Surface	18x14	350-1167
MA-RH-1816	Surface	18x16	400-1267
MA-RH-1818	Surface	18x18	450-1425
MA-RH-2006	Surface	20x6	167-667
MA-RH-2008	Surface	20x8	200-800
MA-RH-2010	Surface	20x10	272-943



RH (350FL)

METAL AIRE

MODEL	MOUNT	NECK SIZE	CFM RANGE
MA-RH-2012	Surface	20x12	333-1111
MA-RH-2014	Surface	20x14	350-1167
MA-RH-2016	Surface	20x16	400-1267
MA-RH-2018	Surface	20x18	500-1500
MA-RH-2020	Surface	20x20	556-1667
MA-RH-2406	Surface	24x6	200-767
MA-RH-2408	Surface	24x8	250-917
MA-RH-2410	Surface	24x10	333-1111
MA-RH-2412	Surface	24x12	400-1267
MA-RH-2414	Surface	24x14	450-1425
MA-RH-2416	Surface	24x16	500-1500
MA-RH-2418	Surface	24x18	600-1700
MA-RH-2420	Surface	24x20	650-1853
MA-RH-2424	Surface	24x24	700-1983
MA-RH-3006	Surface	30x6	250-917
MA-RH-3008	Surface	30x8	333-1111
MA-RH-3010	Surface	30x10	400-1267
MA-RH-3012	Surface	30x12	500-1500
MA-RH-3014	Surface	30x14	556-1667
MA-RH-3016	Surface	30x16	600-1700
MA-RH-3018	Surface	30x18	750-2000
MA-RH-3020	Surface	30x20	833-2222
MA-RH-3024	Surface	30x24	1000-2500
MA-RH-3030	Surface	30x30	1200-2850
MA-RH-3606	Surface	36x6	300-1050
MA-RH-3608	Surface	36x8	400-1267
MA-RH-3610	Surface	36x10	500-1500
MA-RH-3612	Surface	36x12	600-1700
MA-RH-3614	Surface	36x14	700-1983
MA-RH-3616	Surface	36x16	800-2133
MA-RH-3618	Surface	36x18	900-2400
MA-RH-3620	Surface	36x20	1000-2500
MA-RH-3624	Surface	36x24	1200-2850
MA-RH-3630	Surface	36x30	1400-3325
MA-RH-3636	Surface	36x36	1600-3467
MA-RH-4824	Surface	48x24	1600-3467



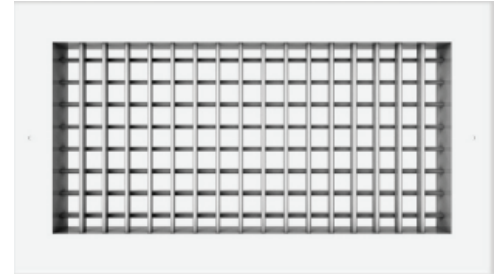
METALAIRE

V4004D-1 (300FS)

Aluminum double deflection supply register

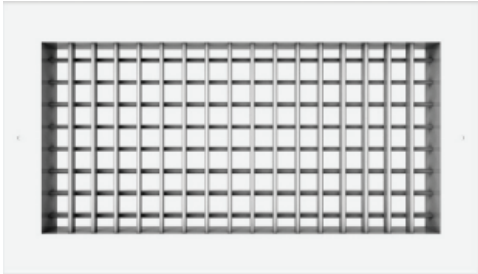
Double deflection supply register with screw holes and damper

MODEL	MOUNT	NECK SIZE	CFM RANGE	THROW
MA-V4004D1-0604	Surface	6 x 4	24-84	2-17
MA-V4004D1-0606	Surface	6 x 6	38-133	4-30
MA-V4004D1-0804	Surface	8 x 4	24-84	2-17
MA-V4004D1-0806	Surface	8 x 6	38-133	4-30
MA-V4004D1-0808	Surface	8 x 8	73-256	3-29
MA-V4004D1-1004	Surface	10 x 4	38-133	4-15
MA-V4004D1-1006	Surface	10 x 6	73-256	3-29
MA-V4004D1-1008	Surface	10 x 8	93-326	3-33
MA-V4004D1-1010	Surface	10 x 10	118-414	4-37
MA-V4004D1-1204	Surface	12 x 4	73-256	3-29
MA-V4004D1-1206	Surface	12 x 6	82-287	3-31
MA-V4004D1-1208	Surface	12 x 8	118-414	4-37
MA-V4004D1-1210	Surface	12 x 10	145-509	4-41
MA-V4004D1-1212	Surface	12 x 12	176-615	8-64
MA-V4004D1-1404	Surface	14 x 4	82-287	3-31
MA-V4004D1-1406	Surface	14 x 6	93-326	3-33
MA-V4004D1-1408	Surface	14 x 8	134-468	4-41
MA-V4004D1-1410	Surface	14 x 10	170-595	4-45
MA-V4004D1-1412	Surface	14 x 12	213-746	5-50
MA-V4004D1-1414	Surface	14 x 14	244-853	5-54
MA-V4004D1-1606	Surface	16 x 6	118-414	4-37
MA-V4004D1-1608	Surface	16 x 8	153-536	4-43
MA-V4004D1-1610	Surface	16 x 10	213-746	5-50
MA-V4004D1-1612	Surface	16 x 12	257-900	5-55
MA-V4004D1-1614	Surface	16 x 14	295-1031	6-59
MA-V4004D1-1806	Surface	18 x 6	134-468	4-41
MA-V4004D1-1808	Surface	18 x 8	176-615	8-64
MA-V4004D1-1810	Surface	18 x 10	213-746	5-50
MA-V4004D1-1812	Surface	18 x 12	257-900	5-55
MA-V4004D1-1814	Surface	18 x 14	323-1131	6-62
MA-V4004D1-2006	Surface	20 x 6	145-509	4-41
MA-V4004D1-2008	Surface	20 x 8	213-746	5-50
MA-V4004D1-2010	Surface	20 x 10	273-956	6-57
MA-V4004D1-2012	Surface	20 x 12	323-1131	6-62
MA-V4004D1-2014	Surface	20 x 14	364-1272	6-66
MA-V4004D1-2406	Surface	24 x 6	176-615	8-64



V4004D-1 (300FS)**METALAIRE**

Aluminum double deflection supply register continued



MODEL	MOUNT	NECK SIZE	CFM RANGE	THROW
MA-V4004D1-2408	Surface	24 x 8	257-900	5-55
MA-V4004D1-2410	Surface	24 x 10	295-1031	6-59
MA-V4004D1-2412	Surface	24 x 12	364-1272	6-66
MA-V4004D1-2414	Surface	24 x 14	456-2386	7-88
MA-V4004D1-3006	Surface	30 x 6	213-746	5-50
MA-V4004D1-3008	Surface	30 x 8	295-1031	6-59
MA-V4004D1-3010	Surface	30 x 10	414-1447	7-70
MA-V4004D1-3012	Surface	30 x 12	456-2386	7-88
MA-V4004D1-3014	Surface	30 x 14		
MA-V4004D1-3606	Surface	36 x 6	257-900	5-55
MA-V4004D1-3608	Surface	36 x 8	364-1272	6-66
MA-V4004D1-3610	Surface	36 x 10	456-2386	7-88
MA-V4004D1-3612	Surface	36 x 12	550-2676	8-95
MA-V4004D1-3614	Surface	36 x 14	626-2957	8-100

VM1 (301FS)**METALAIRE**

Aluminum Stamped frame supply grilles

Single deflection - multi-shutter damper grille.



MODEL	MOUNT	MODULE SIZE	CFM RANGE
MA-VM1-0804	Surface	8 x 4	33-164
MA-VM1-0806	Surface	8 x 6	53-248
MA-VM1-1004	Surface	10 x 4	43-205
MA-VM1-1006	Surface	10 x 6	69-307
MA-VM1-1008	Surface	10 x 8	93-404
MA-VM1-1204	Surface	12 x 4	53-248
MA-VM1-1206	Surface	12 x 6	82-473
MA-VM1-1208	Surface	12 x 8	113-473
MA-VM1-1404	Surface	14 x 4	60-270
MA-VM1-1406	Surface	14 x 6	97-412
MA-VM1-1408	Surface	14 x 8	130-536

DIFFUSERS

TITUS

PAS/PDS

Steel perforated diffuser with face mounted deflectors

Titus perforated ceiling diffusers are designed for both heating and cooling applications. A tight, uniform, horizontal blanket of air protects the ceiling against smudging. Discharge pattern is easily adjusted by unlatching and dropping the perforated face, then rotating the pattern controllers.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
PAS / PDS	Lay - In	12 x 12	6"rd	60 - 180	Balt (no PDS), DC, VA
PAS / PDS	Lay - In	24 x 24	6"rd	60 - 180	Balt (no PDS), DC, VA
PAS / PDS	Lay - In	24 x 24	8"rd	105 - 270	Balt (no PDS), DC, VA
PAS / PDS	Lay - In	24 x 24	10"rd	165 - 365	Balt (no PDS), DC, VA
PAS / PDS	Lay - In	24 x 24	12"rd	235 - 470	Balt (no PDS), DC, VA
PAS / PDS	Lay - In	24 x 24	14"rd	325 - 575	Balt (no PDS), DC, VA
PAS	Lay - In	24 x 24	16"rd	420 - 675	Balt, DC, VA



TITUS

PCS/PCS-DF

Steel perforated neck-mounted curved blade deflectors

Titus Series PCS ceiling diffusers are designed for longer throws. Discharge patterns can be adjusted from either horizontal to vertical before or after installation. Available for drop face ceiling as well.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
PCS / PCS-DF	Lay - In	24 x 24	6"rd	60 - 110	Balt (no DF), DC, VA
PCS / PCS-DF	Lay - In	24 x 24	8"rd	105 - 180	Balt (no DF), DC, VA
PCS / PCS-DF	Lay - In	24 x 24	10"rd	165 - 270	Balt (no DF), DC, VA
PCS / PCS-DF	Lay - In	24 x 24	12"rd	235 - 365	Balt (no DF), DC, VA
PCS / PCS-DF	Lay - In	24 x 24	14"rd	235 - 365	DC, VA



TITUS

PSS/PSS-DF

Steel perforated supply diffuser with star pattern deflector

Titus Series PSS perforated star diffusers generate a high induction air pattern that maximizes throw. The deflector is mounted directly under the neck of the diffuser to generate the long-throw star pattern. As a result, pressure drop and noise levels are lower than typical curved blade perforated diffusers. Available for drop face ceiling as well.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
PSS / PSS-DF	Lay - In	24 x 24	6"rd	60 - 145	DC, VA
PSS / PSS-DF	Lay - In	24 x 24	8"rd	105 - 245	DC, VA
PSS / PSS-DF	Lay - In	24 x 24	10"rd	165 - 360	DC, VA
PSS / PSS-DF	Lay - In	24 x 24	12"rd	235 - 490	DC, VA
PSS / PSS-DF	Lay - In	24 x 24	14"rd	320 - 650	DC, VA



PAR/PDR

TITUS

Steel perforated return diffuser

Titus return perforated ceiling diffusers have the same face and border construction as the supply models, for harmonious appearance in the room. Deflectors removed from PDS to create PDR.



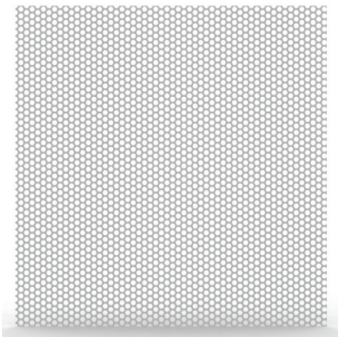
MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
PAR	Lay - In	12 x 12	10 x 10	375	Balt, DC, VA
PAR	Lay - In	12 x 12	6" rd*	225	DC
PAR / PDR	Lay - In	24 x 12	22 x 10	1700	Balt (no PDR), DC, VA
PAR	Lay - In	24 x 24	6" rd*	200	Balt (no PDR), DC, VA
PAR	Lay - In	24 x 24	8" rd*	325	Balt (no PDR), DC, VA
PAR	Lay - In	24 x 24	10" rd*	450	Balt (no PDR), DC, VA
PAR	Lay - In	24 x 24	12" rd*	575	Balt (no PDR), DC, VA
PAR	Lay - In	24 x 24	14" rd*	900	Balt (no PDR), DC, VA
PAR	Lay - In	24 x 24	16" rd*	900	Balt, DC, VA
PAR	Lay - In	24 x 24	6 x 6	425	Balt, DC, VA
PAR	Lay - In	24 x 24	8 x 8	425	Balt, DC, VA
PAR	Lay - In	24 x 24	10 x 10	550	Balt
PAR	Lay - In	24 x 24	12 x 12	750	Balt, DC, VA
PAR	Lay - In	24 x 24	15 x 15	1050	Balt, DC, VA
PAR	Lay - In	24 x 24	18 x 18	1400	Balt, DC, VA
PAR / PDR	Lay - In	24 x 24	22 x 22	2000	Balt (no PDR), DC, VA
PAR	Lay - In	48 x 24	46 x 22	4220	Balt, DC, VA

PXP

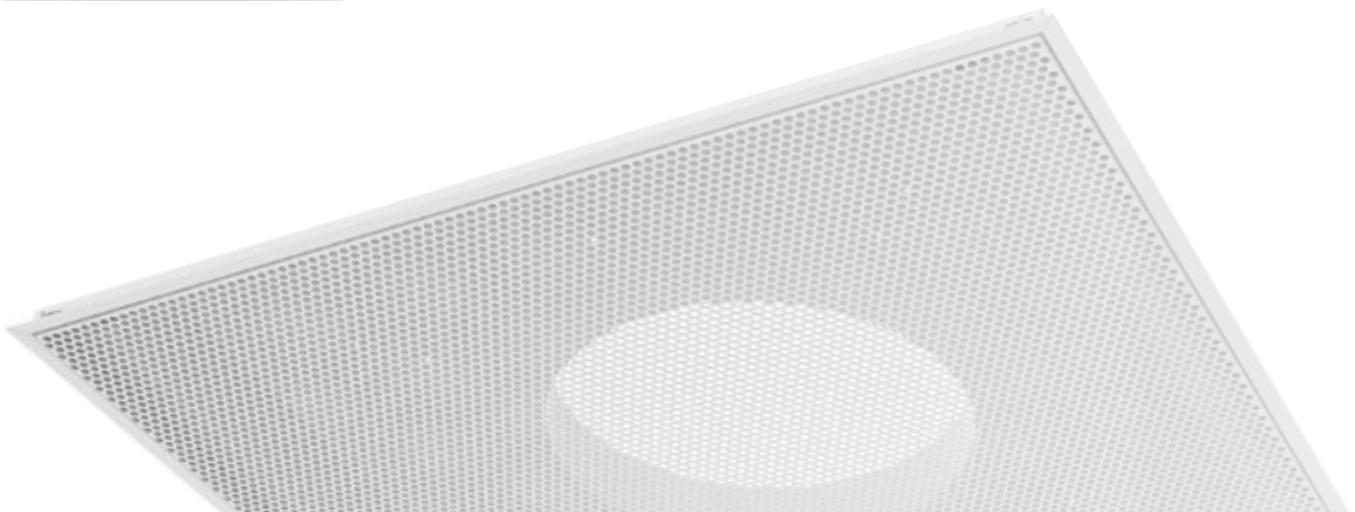
TITUS

Steel perforated return panel

Model PXP Series perforated panels are designed for return or exhaust applications. Panels match Models PAS, PDS, and PAS-AA supply diffusers in appearance after installation.



MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
PXP	Lay - In	24 x 12	-----	1000	VA
PXP	Lay - In	24 x 24	-----	2000	Balt, DC, VA
PXP-NT	Lay - In	24 x 24	-----	2000	DC, VA
PXP-DF	Lay - In	24 x 24	-----	2000	DC, VA



DIFFUSERS

TITUS

TMR/TMRA

Steel, high performance three cone diffuser

Models TMR and TMR-AA round ceiling diffusers are designed for cooling applications. All sizes have three cones, giving a uniform appearance where different sizes are used in the same area. They deliver a uniform 360° discharge pattern and exhibit excellent performance in variable air volume systems.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
TMR	Surface Mount	11.125"	6"rd	80 - 225	DC
TMR	Surface Mount	14.75"	8"rd	140 - 375	DC
TMR	Surface Mount	18.25"	10"rd	220 - 545	DC
TMR	Surface Mount	22"	12"rd	315 - 710	DC
TMR	Surface Mount	26"	14"rd	425 - 950	DC
TMR	Surface Mount	29"	16"rd	560 - 1200	DC
TMR	Surface Mount	32.5"	18"rd	710 - 1500	DC
TMRA	Surface Mount	13.5"	6"rd	80 - 165	Balt, DC
TMRA	Surface Mount	18"	8"rd	140 - 280	Balt, DC
TMRA	Surface Mount	22.5"	10"rd	220 - 425	Balt, DC
TMRA	Surface Mount	27"	12"rd	315 - 600	Balt, DC
TMRA	Surface Mount	31.5"	14"rd	425 - 800	Balt, DC
TMRA	Surface Mount	36"	16"rd	560 - 1050	DC
TMRA	Surface Mount	40.5"	18"rd	710 - 1250	DC



TITUS

TMS/TMSA, TMS-NT

Steel, high performance three cone diffuser

The TMS is a square ceiling diffuser that delivers supply air in a true 360° pattern with low pressure drop. The uniform, nearly horizontal jet from the outer cone maintains effective room air distribution even when the air volume varies over a considerable range. All sizes have three cones, giving a uniform appearance where different neck sizes are used in the same area.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
TMS	Lay - In	12 x 12	6"rd	80 - 225	Balt, DC, VA
TMS	Lay - In	12 x 12	8"rd	140 - 350	Balt, DC, VA
TMS(NT)	Lay - In	24 x 24	6"rd	80 - 250	Balt (no NT), DC, VA
TMS(NT)	Lay - In	24 x 24	8"rd	140 - 400	Balt (no NT), DC, VA
TMS(NT)	Lay - In	24 x 24	10"rd	220 - 570	Balt (no NT), DC, VA
TMS(NT)	Lay - In	24 x 24	12"rd	315 - 765	Balt (no NT), DC, VA
TMS(NT)	Lay - In	24 x 24	14"rd	430 - 965	Balt (no NT), DC, VA
TMS(NT)	Lay - In	24 x 24	15"rd	430 - 965	Balt, DC, VA





BLOW PATTERNS AVAILABLE:

A4 = 4 WAY BLOW (DEFAULT, IF NOT SPECIFIED)

A3 = 3 WAY BLOW

S2 = 2 WAY BLOW, OPPOSED

G2 = 2 WAY BLOW, CORNER

S1 = 1 WAY BLOW

TDC

TITUS

Steel louvered face diffuser

Titus Series TDC diffusers handle an unusually large amount of air for a given pressure drop and noise level. Their pleasing appearance harmonizes with various architectural details, especially in modular ceiling systems.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
TDC	Lay - In	12 x 12	6 x 6	75 - 215	Balt
TDC	Lay - In	12 x 12	9 x 9	170 - 440	Balt
TDC	Lay - In	24 x 24	6 x 6	75 - 215	Balt, DC, VA
TDC	Lay - In	24 x 24	9 x 9	170 - 440	Balt, DC, VA
TDC	Lay - In	24 x 24	12 x 12	300 - 725	Balt, DC, VA
TDC	Lay - In	24 x 24	15 x 15	470 - 1,075	Balt, DC, VA
TDC	Lay - In	24 x 24	18 x 18	675 - 1,500	Balt, DC, VA
TDCA	Lay - In	24 x 24	18 x 18	675 - 1,200	Balt
TDC	SM Border 1	-----	6 x 6	75 - 215	Balt, DC, VA
TDC	SM Border 1	-----	9 x 9	170 - 440	Balt, DC, VA
TDC	SM Border 1	-----	12 x 12	300 - 725	Balt, DC, VA
TDC	SM Border 1	-----	15 x 15	470 - 1,075	DC, VA
TDC	SM Border 1	-----	18 x 18	675 - 1,500	DC, VA
TDC	SM Border 6	-----	6 x 6	75 - 215	Balt, DC
TDC	SM Border 6	-----	9 x 9	170 - 440	Balt, DC
TDC	SM Border 6	-----	12 x 12	300 - 725	Balt, DC
TDC	SM Border 6	-----	15 x 15	470 - 1,075	Balt, DC
TDC	SM Border 6	-----	18 x 18	675 - 1,500	Balt, DC, VA

OMNI/OMNI-NT

TITUS

Steel Plaque Face Diffuser for use in Architectural Ceilings

The Titus OMNI is a steel plaque face diffuser that satisfies architectural and engineering criteria. Its strong, clean, unobtrusive lines harmonize with the ceiling system without sacrificing performance. The curvature of the OMNI backpan works with the formed edges of the face panel to deliver a uniform 360 degree horizontal air pattern, without excessive noise or pressure drop. It is an excellent selection for variable air volume systems.



**DB ACCESSORY FOR OMNI 12X12 AND 24X24
AVAILABLE AT BALTIMORE LOCATION**

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
OMNI	Lay - In	12 x 12	6"nk	80 - 210	Balt, DC, VA
OMNI	Lay - In	12 x 12	8"nk	140 - 380	Balt, DC
OMNI(NT)	Lay - In	24 x 24	6"nk	80 - 250	Balt (no NT), DC, VA
OMNI(NT)	Lay - In	24 x 24	8"nk	140 - 400	Balt (no NT), DC, VA
OMNI(NT)	Lay - In	24 x 24	10"nk	220 - 575	Balt (no NT), DC, VA
OMNI(NT)	Lay - In	24 x 24	12"nk	315 - 760	Balt (no NT), DC, VA
OMNI(NT)	Lay - In	24 x 24	14"nk	430 - 975	Balt (no NT), DC, VA
OMNI(NT)	Lay - In	24 x 24	15"nk	430 - 975	Balt, DC, VA
R-OMNI	Lay - In	24 x 24	6" nk	80-240	DC
R-OMNI	Lay - In	24 x 24	8" nk	140-420	DC
R-OMNI	Lay - In	24 x 24	10" nk	220-545	DC

TITUS

300RS

Steel double deflection supply grille, 3/4" blade spacing, front blades parallel to short dimension

Titus' 300/350 Series supply grilles define the standard for the industry. With high quality and competitive pricing these grilles form the back bone of a standard offering that will meet any application requirements.

NECK SIZE	CFM RANGE	LOCATION
6 x 4	50 - 125	Balt, DC, VA
6 x 6	60 - 185	Balt, DC, VA
8 x 4	50 - 165	Balt, DC, VA
8 x 6	80 - 250	Balt, DC, VA
8 x 8	110 - 325	Balt, DC, VA
10 x 4	65 - 200	Balt, DC, VA
10 x 6	105 - 300	Balt, DC, VA
10 x 8	140 - 400	Balt, DC, VA
10 x 10	180 - 500	Balt, DC, VA
12 x 4	80 - 250	Balt, DC, VA
12 x 6	125 - 360	Balt, DC, VA
12 x 8	170 - 475	Balt, DC, VA
12 x 10	220 - 580	Balt, DC, VA
12 x 12	265 - 700	Balt, DC, VA
14 x 4	100 - 280	DC, VA
14 x 6	145 - 410	Balt, DC, VA
14 x 8	200 - 540	Balt, DC, VA
14 x 10	260-685	Balt
14 x 12	310-770	Balt

NECK SIZE	CFM RANGE	LOCATION
14 x 14	370 - 930	Balt, DC, VA
16 x 4	150 - 360	DC, VA
16 x 6	170 - 475	Balt, DC, VA
16 x 8	230 - 610	Balt, DC, VA
16 x 10	295 - 750	Balt, DC, VA
16 x 12	335 - 855	Balt, DC, VA
16 x 14	410 - 1000	DC, VA
16 x 16	485 - 1150	Balt, DC, VA
18 x 6	190 - 520	Balt, DC, VA
18 x 8	265 - 700	Balt, DC, VA
18 x 10	335 - 855	Balt, DC, VA
18 x 12	405 - 1015	Balt, DC, VA
18 x 14	475 - 1120	DC, VA
18 x 16	545 - 1275	DC, VA
18 x 18	620 - 1450	Balt, DC, VA
20 x 4	140 - 400	DC, VA
20 x 6	220 - 580	Balt, DC, VA
20 x 8	295 - 750	Balt, DC, VA
20 x 10	380 - 940	Balt, DC, VA

NECK SIZE	CFM RANGE	LOCATION
20 x 12	450 - 1100	Balt, DC, VA
24 x 6	265 - 700	Balt, DC, VA
24 x 8	355 - 900	Balt, DC, VA
24 x 10	450 - 1100	Balt, DC, VA
24 x 12	550 - 1275	Balt, DC, VA
24 x 14	640 - 1700	DC, VA
24 x 16	700-1800	DC
24 x 18	825 - 1900	DC, VA
24 x 24	1125 - 2400	DC, VA
30 x 6	335 - 855	Balt, DC, VA
30 x 8	450 - 1050	Balt, DC, VA
30 x 10	550 - 1275	Balt, DC, VA
30 x 12	700 - 1550	Balt, DC, VA
30 x 20	1100 - 2300	DC, VA
36 x 6	450 - 950	Balt, DC, VA
36 x 8	550 - 1275	DC, VA
36 x 10	750 - 1550	Balt, DC, VA
36 x 12	825 - 1855	Balt, DC, VA
36 x 18	1265 - 2700	DC, VA
36 x 24	1700 - 3400	DC, VA

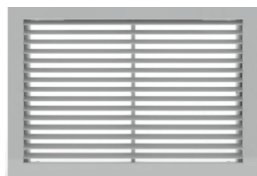


350RL

TITUS

Steel return grille, 3/4" blade spacing, 35 degree deflection, blades parallel to long dimension

Titus' 300/350 Series return grilles define the standard for the industry. With high quality and competitive pricing these grilles form the back bone of a standard offering that will meet any application requirements.



NECK SIZE	MOUNT	CFM RANGE	LOCATION
6 x 4	Surf/Screw	60	Balt, DC, VA
6 x 6	Surf/Screw	170	Balt, DC, VA
8 x 4	Surf/Screw	125	Balt, DC, VA
8 x 6	Surf/Screw	235	Balt, DC, VA
8 x 8	Surf/Screw	315	Balt, DC, VA
10 x 4	Surf/Screw	200	Balt, DC, VA
10 x 6	Surf/Screw	290	Balt, DC, VA
10 x 8	Surf/Screw	325	Balt, DC, VA
10 x 10	Surf/Screw	460	Balt, DC, VA
10 x 10	Lay - In	460	Balt
12 x 4	Surf/Screw	235	Balt, DC, VA
12 x 6	Surf/Screw	325	Balt, DC, VA
12 x 8	Surf/Screw	455	Balt, DC, VA
12 x 10	Surf/Screw	575	Balt, DC, VA
12 x 12	Surf/Screw	700	Balt, DC, VA
14 x 6	Surf/Screw	385	Balt, DC, VA
14 x 8	Surf/Screw	485	Balt, DC, VA
14 x 10	Surf/Screw	615	Balt, DC, VA
14 x 12	Surf/Screw	700	Balt, DC, VA
14 x 14	Surf/Screw	930	Balt, DC, VA
16 x 6	Surf/Screw	455	Balt, DC, VA
16 x 8	Surf/Screw	575	Balt, DC, VA
16 x 10	Surf/Screw	700	Balt, DC, VA
16 x 12	Surf/Screw	900	Balt, DC, VA
16 x 14	Surf/Screw	1060	Balt, DC, VA
16 x 16	Surf/Screw	1215	Balt, DC, VA
18 x 4	Surf/Screw	360	DC, VA
18 x 6	Surf/Screw	485	Balt, DC, VA
18 x 8	Surf/Screw	700	Balt, DC, VA
18 x 10	Surf/Screw	850	Balt, DC, VA
18 x 12	Surf/Screw	1025	Balt, DC, VA
18 x 14	Surf/Screw	1200	Balt, DC, VA
18 x 16	Surf/Screw	1365	Balt, DC, VA
18 x 18	Surf/Screw	1530	Balt, DC, VA
20 x 6	Surf/Screw	550	Balt, DC, VA
20 x 8	Surf/Screw	690	Balt, DC, VA
20 x 10	Surf/Screw	700	Balt, DC, VA
20 x 12	Surf/Screw	1115	Balt, DC, VA
20 x 14	Surf/Screw	1250	Balt, DC, VA
20 x 16	Surf/Screw	1485	Balt, DC, VA
20 x 18	Surf/Screw	1700	Balt, DC, VA

NECK SIZE	MOUNT	CFM RANGE	LOCATION
20 x 20	Surf/Screw	1800	Balt, DC, VA
22 x 10	Lay - In	1040	Balt, DC, VA
22 x 22	Surf/Screw	2200	Balt, DC, VA
22 x 22	Lay - In	2200	Balt, DC, VA
24 x 6	Surf/Screw	700	Balt, DC, VA
24 x 8	Surf/Screw	900	Balt, DC, VA
24 x 10	Surf/Screw	1115	Balt, DC, VA
24 x 12	Surf/Screw	1345	Balt, DC, VA
24 x 14	Surf/Screw	1550	Balt, DC, VA
24 x 16	Surf/Screw	1715	Balt, DC, VA
24 x 18	Surf/Screw	1980	Balt, DC, VA
24 x 20	Surf/Screw	2180	Balt, DC, VA
24 x 24	Surf/Screw	2400	Balt, DC, VA
30 x 6	Surf/Screw	850	Balt, DC, VA
30 x 8	Surf/Screw	1115	Balt, DC, VA
30 x 10	Surf/Screw	1345	Balt, DC, VA
30 x 12	Surf/Screw	1700	Balt, DC, VA
30 x 16	Surf/Screw	2180	DC, VA
30 x 18	Surf/Screw	2800	DC, VA
30 x 24	Surf/Screw	3250	DC, VA
30 x 30	Surf/Screw	4300	DC, VA
32 x 32	Surf/Screw	4800	DC, VA
36 x 8	Surf/Screw	1345	Balt, DC, VA
36 x 10	Surf/Screw	1700	Balt, DC, VA
36 x 12	Surf/Screw	1980	Balt, DC, VA
36 x 14	Surf/Screw	2250	DC, VA
36 x 16	Surf/Screw	2565	DC, VA
36 x 18	Surf/Screw	2880	Balt, DC, VA
36 x 20	Surf/Screw	3200	DC, VA
36 x 24	Surf/Screw	3775	Balt, DC, VA
36 x 36	Surf/Screw	5600	DC, VA
46 x 22	Lay - In	4400	Balt, DC, VA
48 x 6	Surf/Screw	1700	DC, VA
48 x 8	Surf/Screw	1850	DC, VA
48 x 10	Surf/Screw	2100	DC, VA
48 x 12	Surf/Screw	2400	Balt, DC, VA
48 x 16	Surf/Screw	3100	DC, VA
48 x 18	Surf/Screw	3750	DC, VA
48 x 24	Surf/Screw	5000	Balt, DC, VA

GRILLES

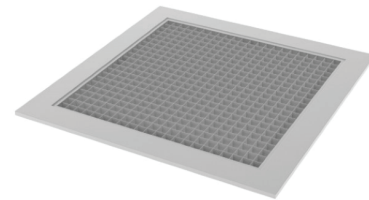
TITUS

EGGCRATE GRILLES

Aluminum eggcrate return, aluminum border and grid

Titus Eggcrate grilles have the highest free area of any return grille. These grilles are available with aluminum border and aluminum grid; steel border and aluminum grid; or entirely stainless steel construction. Stocked in ½ x ½ x ½-inch. 45F below has a 45 degree deflection limit ceiling.

MODEL	MOUNT	MATERIAL	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
50F,A	Surface Mount	Aluminum	-----	6 x 6	200	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	8 x 8	360	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	10 x 10	550	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	12 x 12	775	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	14 x 14	1000	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	16 x 16	1300	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	18 x 18	1600	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	20 x 20	1975	Balt
50F,A	Surface Mount	Aluminum	-----	24 x 12	1450	Balt, DC
50F,A	Surface Mount	Aluminum	-----	24 x 24	2750	Balt, DC, VA
50F,A	Surface Mount	Aluminum	-----	48 x 24	5090	Balt
50F,A	Lay - In	Aluminum	12 x 12	10 x 10	550	Balt
50F,A	Lay - In	Aluminum	24 x 12	22 x 10	1100	Balt, DC, VA
50F,A	Lay - In	Aluminum	24 x 24	22 x 22	2350	Balt, DC, VA
50F,A	Lay - In	Aluminum	48 x 24	46 x 22	4500	Balt, DC, VA
45F,A	Lay - In	Aluminum	24 x 24	22 x 22	1325	Balt, DC



AMERICAN LOUVER

EGGCRATE GRILLES

Plastic Eggcrate style grille (core, 1/2" x 1/2" x 3/8")

MODEL	MOUNT	MATERIAL	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
PEG	Lay - In	Plastic	24 x 24	-----	2350	Balt
PEG	Lay - In	Plastic	48 x 24	-----	4500	Balt

TITUS

350RLF1

Steel louvered filter grille, 35 degree deflection, 3/4" blade spacing, blades parallel to long dimension, 1" filter

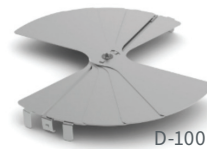
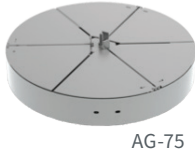
Titus' 300/350 Series filter return grilles define the standard for the industry. With high quality and competitive pricing these grilles form the back bone of a standard offering that will meet any application requirements.

MODEL	MOUNT	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
350RLF1	Lay - In	24 x 24	20 x 20	1850	Balt, DC, VA
350RLF1	Lay - In	24 x 12	20 x 8	1850	DC, VA



STEEL DAMPERS

TITUS



MODEL	DESCRIPTION	SIZE	LOCATION
AG-15	Rectangular OBD	6 x 4	Balt, DC, VA
AG-15	Rectangular OBD	6 x 6	Balt, DC, VA
AG-15	Rectangular OBD	8 x 4	Balt, DC, VA
AG-15	Rectangular OBD	8 x 6	Balt, DC, VA
AG-15	Rectangular OBD	8 x 8	Balt, DC, VA
AG-15	Rectangular OBD	10 x 4	Balt, DC, VA
AG-15	Rectangular OBD	10 x 6	Balt, DC, VA
AG-15	Rectangular OBD	10 x 8	Balt, DC, VA
AG-15	Rectangular OBD	10 x 10	Balt, DC, VA
AG-15	Rectangular OBD	12 x 4	Balt, DC, VA
AG-15	Rectangular OBD	12 x 6	Balt, DC, VA
AG-15	Rectangular OBD	12 x 8	Balt, DC, VA
AG-15	Rectangular OBD	12 x 10	Balt, DC, VA
AG-15	Rectangular OBD	12 x 12	Balt, DC, VA
AG-15	Rectangular OBD	14 x 4	Balt, DC, VA
AG-15	Rectangular OBD	14 x 6	Balt, DC, VA
AG-15	Rectangular OBD	14 x 8	Balt, DC, VA
AG-15	Rectangular OBD	14 x 10	Balt, DC, VA
AG-15	Rectangular OBD	14 x 12	Balt, DC, VA
AG-15	Rectangular OBD	14 x 14	Balt, DC, VA
AG-15	Rectangular OBD	16 x 6	Balt, DC, VA
AG-15	Rectangular OBD	16 x 8	Balt, DC, VA
AG-15	Rectangular OBD	16 x 10	Balt, DC, VA
AG-15	Rectangular OBD	16 x 12	Balt, DC, VA
AG-15	Rectangular OBD	16 x 16	Balt, DC, VA
AG-15	Rectangular OBD	18 x 6	Balt, DC, VA
AG-15	Rectangular OBD	18 x 8	Balt, DC, VA
AG-15	Rectangular OBD	18 x 10	Balt, DC, VA
AG-15	Rectangular OBD	18 x 12	Balt, DC, VA
AG-15	Rectangular OBD	18 x 18	Balt, DC, VA
AG-15	Rectangular OBD	22 x 10	Balt, DC, VA
AG-15	Rectangular OBD	22 x 22	Balt, DC, VA
AG-15	Rectangular OBD	24 x 6	Balt, DC, VA
AG-15	Rectangular OBD	24 x 8	Balt, DC, VA
AG-15	Rectangular OBD	24 x 10	Balt, DC, VA

MODEL	DESCRIPTION	SIZE	LOCATION
AG-15	Rectangular OBD	24 x 12	Balt, DC, VA
AG-15	Rectangular OBD	24 x 16	Balt, DC, VA
AG-15	Rectangular OBD	24 x 18	Balt, DC, VA
AG-15	Rectangular OBD	24 x 24	Balt, DC, VA
AG-15	Rectangular OBD	30 x 6	Balt, DC, VA
AG-15	Rectangular OBD	30 x 8	Balt, DC, VA
AG-15	Rectangular OBD	30 x 10	Balt, DC, VA
AG-15	Rectangular OBD	30 x 12	Balt, DC, VA
AG-15	Rectangular OBD	36 x 12	Balt
AG-15	Rectangular OBD	36 x 18	Balt
AG-15	Rectangular OBD	36 x 24	Balt
AG-15	Rectangular OBD	46 x 22	Balt
AG-15	Rectangular OBD	48 x 24	Balt
AG-95	Rectangular OBD	6 x 6	Balt, DC, VA
AG-95	Rectangular OBD	9 x 9	Balt, DC, VA
AG-95	Rectangular OBD	12 x 12	Balt, DC, VA
AG-95	Rectangular OBD	15 x 15	Balt, DC, VA
AG-95	Rectangular OBD	18 x 18	Balt, DC, VA
D-100	Round Sliding Duct	6"rd	Balt, DC, VA
D-100	Round Sliding Duct	8"rd	Balt, DC, VA
D-100	Round Sliding Duct	10"rd	Balt, DC, VA
D-100	Round Sliding Duct	12"rd	Balt, DC, VA
D-100	Round Sliding Duct	14"rd	Balt, DC, VA
D-75	Round Neck OBD	6"rd	DC, VA
D-75	Round Neck OBD	8"rd	DC, VA
D-75	Round Neck OBD	10"rd	DC, VA
D-75	Round Neck OBD	12"rd	DC, VA
AG-75	Round Neck OBD	6"rd	DC, VA
AG-75	Round Neck OBD	8"rd	DC, VA
AG-75	Round Neck OBD	10"rd	DC, VA
AG-75	Round Neck OBD	12"rd	DC, VA
AG-75	Round Neck OBD	14"rd	DC, VA
AG-75	Round Neck OBD	15"rd	DC, VA
AG-75	Round Neck OBD	16"rd	DC, VA

TRIM FRAME

TITUS

Aluminum rapid mount frame/plaster frame



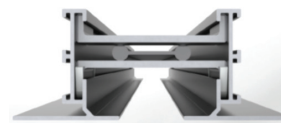
MODEL	MATERIAL	SIZE	LOCATION
TRM	Aluminum	12 x 12	Balt, DC, VA
TRM	Aluminum	24 x 12	Balt, DC, VA
TRM	Aluminum	24 x 24	Balt, DC, VA
TRM	Aluminum	48 x 24	Balt, DC, VA

TITUS

FL

Architectural Linear Diffuser, Aluminum, 1" Slot

Titus FlowBar architectural linear diffuser system maximizes engineering performance without sacrificing aesthetic considerations for the designer. FlowBar's outstanding performance allows higher airflows than conventional linear diffusers.



MODEL	BORDER TYPE	LENGTH	SLOTS	SLOT WIDTH	FRAME WIDTH	DUCT WIDTH	ACCESSORIES / FINISH	CFM RANGE	LOCATION
FL-10	#22- Tape / Spackle	48"	1	1"	3.25"	2.75"	ECXX end caps, H3 & H5 Clips #84 Black	25-60 per ft	Balt
FL-10	#22- Tape / Spackle	72"	1	1"	3.25"	2.75"	ECXX end caps, H3 & H5 Clips #84 Black	25-60 per ft	DC, VA
FL-10	#77- Concealed Mount	48"	1	1"	3"	3.75"	SXX end border, Concealed Mounting Bracket #26 White	25-60 per ft	Balt
FL-10	#77- Concealed Mount	72"	1	1"	3"	3.75"	SXX end border, Concealed Mounting Bracket #26 White	25-60 per ft	DC, VA
FL-15	#22- Tape / Spackle	48"	1	1.5"	4.25"	3.75"	ECXX end caps, H3 & H5 Clips #84 Black	30-70 per ft	Balt
FL-15	#22- Tape / Spackle	72"	1	1.5"	4.25"	3.75"	ECXX end caps, H3 & H5 Clips #84 Black	30-70 per ft	DC, VA
FL-15	#77- Concealed Mount	48"	1	1.5"	4"	4.75"	SXX end border, Concealed Mounting Bracket #26 White	30-70 per ft	Balt
FL-15	#77- Concealed Mount	72"	1	1.5"	4"	4.75"	SXX end border, Concealed Mounting Bracket #26 White	30-70 per ft	DC, VA
FL-20	#22- Tape / Spackle	48"	1	2"	5.25"	4.75"	ECXX end caps, H3 & H5 Clips #84 Black	30-90 per ft	Balt
FL-20	#22- Tape / Spackle	72"	1	2"	5.25"	4.75"	SXX end border, Concealed Mounting Bracket #26 White	30-90 per ft	DC, VA
FL-20	#77- Concealed Mount	48"	1	2"	5"	5.75"	SXX end border, Concealed Mounting Bracket #26 White	30-90 per ft	Balt
FL-20	#77- Concealed Mount	72"	1	2"	5"	5.75"	SXX end border, Concealed Mounting Bracket #26 White	30-90 per ft	DC, VA
FL-25	#22- Tape / Spackle	48"	1	2.5"	6.25"	5.75"	ECXX end caps, H3 & H5 Clips #84 Black	30-105 per ft	Balt
FL-25	#77- Concealed Mount	48"	1	2.5"	6"	6.75"	SXX end border, Concealed Mounting Bracket #26 White	30-105 per ft	Balt
FL-30	#22- Tape / Spackle	48"	1	3"	7.25"	6.75"	ECXX end caps, H3 & H5 Clips #84 Black	30-135 per ft	Balt
FL-30	#77- Concealed Mount	48"	1	3"	7"	7.75"	SXX end border, Concealed Mounting Bracket #26 White	30-135 per ft	Balt

TITUS

Flowbar Accessories

ITEM TYPE	MODEL	SIZE	DESCRIPTION	USE WITH	LOCATION
Uninsulated Return Hood/ Light Shield	FBR	48"	Titus FBR is a FlowBar accessory used to create passive return sections and as a light shield.	FL	Balt, DC, VA

SLOT DIFFUSER

HPL

Raymon Donco

Linear Slot Diffuser

Controllers provide 180 degree throw adjustment and volume control.

MODEL	MOUNT	MATERIAL	LENGTH	SLOTS	SLOT WIDTH	DUCT WIDTH	CFM RANGE	LOCATION
HPL75	Surf / Lay-In	*	47.75"	2	3/4"	4"	80 - 240	Balt
HPL10	Surf / Lay-In	*	23.75"	2	1"	4.5"	40 - 170	Balt
HPL10	Surf / Lay-In	*	47.75"	2	1"	4.5"	80 - 340	Balt
HPL10	Surf / Lay-In	*	71.75"	2	1"	4.5"	120 - 510	Balt



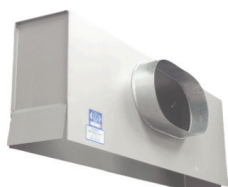
ML

TITUS

Linear Slot Diffuser

Controllers provide 180 degree throw adjustment and volume control.

MODEL	MOUNT	MATERIAL	LENGTH	SLOTS	SLOT WIDTH	DUCT WIDTH	CFM RANGE	LOCATION
ML-37	Concealed	*	48", 60", 72"	1	1/2"	2"	25cfm/ft	DC, VA
ML-37	Concealed	*	48", 60", 72"	2	1/2"	3.25"	42cfm/ft	DC, VA
ML-38	Concealed	*	48", 60", 72"	1	3/4"	2.25"	37cfm/ft	DC, VA
ML-38	Concealed	*	48", 60", 72"	2	3/4"	3.75"	65cfm/ft	DC, VA
ML-38	Concealed	*	48", 60", 72"	3	3/4"	5.25"	90cfm/ft	DC, VA
ML-38	Concealed	*	48", 60", 72"	4	3/4"	6.75"	115cfm/ft	DC, VA
ML-38-NT	Lay-In	*	48"	2	3/4"	3.125"	65cfm/ft	DC, VA
ML-38-NT	Lay-In	*	48"	3	3/4"	4.625"	90cfm/ft	DC, VA
ML-39	Concealed	*	48", 60", 72"	1	1"	2.5"	40cfm/ft	DC, VA
ML-39	Concealed	*	48", 60", 72"	2	1"	4.25"	67cfm/ft	DC, VA
ML-39	Concealed	*	48", 60", 72"	3	1"	6"	99cfm/ft	DC, VA
ML-39	Concealed	*	48", 60", 72"	4	1"	7.75"	123cfm/ft	DC, VA



Plenums

Raymon Donco

Tall 9" Plenum

24 gauge galvanized steel

Oval adapter plates 6"-12" available to change inlet size at Baltimore.

MODEL	MATCHING AIR DEVICE USE	LENGTH	NECK SIZES	PLENUM WIDTH	LOCATION
SDP4-06	HPL1042, HPL7542 , FL-1077, FL-1577	48"	6" inlet	4.25"	Balt
SDP4-08	HPL1042, HPL7542 , FL-1077, FL-1577	48"	8" inlet	4.25"	Balt
SDP4-10	HPL1042, HPL7542 , FL-1077, FL-1577	48"	10" inlet	4.25"	Balt
SDP4-12	HPL1042, HPL7542 , FL-1077, FL-1577	48"	12" inlet	4.25"	Balt
SDP41-FL1022-10	FL10 border 22	48"	10" inlet	2.75"	DC
SDP41-FL1022-08	FL10 border 22	48"	8" inlet	2.75"	Balt, DC
SDP41-FL1522-08	FL15 border 22	48"	8" inlet	3.75"	Balt
SDP41-FL2022-08	FL20 border 22	48"	8" inlet	4.75"	Balt
SDP41-FL2522-08	FL25 border 22	48"	8" inlet	5.75"	Balt
SDP41-FL3022-08	FL30 border 22	48"	8" inlet	6.75"	Balt

T-BAR DIFFUSERS

TITUS/DONCO

TBDI-80 / DCDT

Adjustable, gasket-tipped blade plenum slot diffuser

Titus TBD series plenum slot diffusers provide flexibility, great performance and ease of installation. Their adjustability and streamlined appearance make them the industry standard for plenum slot diffusers. The TBD-80 works with many types of ceiling systems - plaster, splined, regressed, and standard lay-in.

MODEL	MOUNT	LENGTH	SLOTS	SLOT WIDTH	NECK SIZE	PLENUM HEIGHT	DIFFUSER WIDTH	CFM RANGE	ACCESSORIES	LOCATION
TBDI-80	Lay - In*	24"	2	1"	6"	8"	4"	60 - 130	Center Tee	DC, VA, Balt
TBDI-80	Lay - In*	24"	2	1"	8"	8"	4"	75 - 160	Center Tee	DC, VA, Balt
TBDI-80	Lay - In*	48"	2	1"	8"	8"	4"	90 - 240	Center Tee	DC, VA, Balt
TBDI-80	Lay - In*	48"	2	1"	10"	8"	4"	120 - 270	Center Tee	DC, VA, Balt
TBDI-80	Lay - In*	48"	2	1.5"	12"	11"	5"	150-360	Center Tee	Balt
TBDI-80-NT	Lay - In	24"	2	1"	6"	8"	4.5"	60 - 130	Cross Notch (no tee)	DC, VA
TBDI-80-NT	Lay - In	24"	2	1"	8"	8"	4.5"	75 - 160	Cross Notch (no tee)	DC, VA
TBDI-80-NT	Lay - In	48"	2	1"	8"	8"	4.5"	90 - 240	Cross Notch (no tee)	DC, VA
TBDI-80-NT	Lay - In	48"	2	1"	10"	8"	4.5"	120 - 270	Cross Notch (no tee)	DC, VA

TITUS

TBDI-30

Adjustable plenum slot diffuser

Titus TBD series plenum slot diffusers provide flexibility, great performance and ease of installation. Their adjustability and streamlined appearance make them the industry standard for plenum slot diffusers. The TBD-30 projects a tight blanket of air across the ceiling from minimum to maximum airflow in the horizontal position.

MODEL	MOUNT	LENGTH	SLOTS	SLOT WIDTH	NECK SIZE	PLENUM HEIGHT	DIFFUSER WIDTH	CFM RANGE	ACCESSORIES	LOCATION
TBDI-30	Lay - In*	24"	2	3/4"	8"	11"	4"	50 - 135	Center Tee	Balt
TBDI-30	Lay - In*	48"	2	3/4"	8"	11"	4"	90 - 210	Center Tee	Balt
TBDI-30	Lay - In*	48"	2	3/4"	10"	11"	4"	90 - 240	Center Tee	Balt

DONCO

J-SLOT/ J-SLOT-NT

Plenum slot diffuser

MODEL	MOUNT	LENGTH	SLOTS	SLOT WIDTH	NECK SIZE	PLENUM HEIGHT	DIFFUSER WIDTH	CFM RANGE	ACCESSORIES	LOCATION
J-22(NT)	Lay - In	24"	2	1"	6"	12.45"	4.125"	35 - 230	Center Tee	DC
J-22(NT)	Lay - In	24"	2	1"	8"	12.45"	4.125"	40 - 250	Center Tee	DC
J-22	Lay - In	48"	2	1"	8"	12.45"	4.125"	80 - 380	Cross Notch	DC, VA
J-22	Lay - In	48"	2	1"	10"	14"	4.125"	100 - 400	Cross Notch	DC, VA

TITUS

PLASTER FRAMES

MODEL	MATERIAL	LENGTH	SLOTS	SLOT WIDTH	CEILING OPENING	CEILING OPENING	LOCATION
PFTBD2423/4	Aluminum	24"	2	3/4"	24 1/2" x 4 1/4"	24 1/2" x 4 1/4"	Balt
PFTBD2421	Aluminum	24"	2	1"	24 1/2" x 4 3/4"	24 1/2" x 4 3/4"	Balt, DC, VA
PFTBD4823/4	Aluminum	48"	2	3/4"	48 1/2" x 4 1/4"	48 1/2" x 4 1/4"	Balt
PFTBD4821	Aluminum	48"	2	1"	48 1/2" x 4 3/4"	48 1/2" x 4 3/4"	Balt, DC, VA
PFTBD48211/2	Aluminum	48"	2	1 1/2"	48 1/2" x 5 3/4"	48 1/2" x 5 3/4"	Balt



CABLE OPERATED DAMPER YOUNG REGULATOR

MODEL	SIZE / DESCRIPTION	LOCATION
270- 275B-Q	Plenum Mount Control Kit (3/8" or 1/4")	DC, VA
270-301B	Ceiling Mount Control Kit w/ 3" Cover Plate (3/8"sq damper shafts)	DC, VA
270-301B-Q	Ceiling Mount Control Kit w/ 3" Cover Plate (5/16" rd or 1/14"sq damper shafts)	DC
270-896B-Q	Ceiling Mount Control Kit w/ 7/8" Cap (3/8" or 1/4")	DC, VA
800AWO	Oval damper, with 1/2" steel shaft 8" & 10"	DC
4010 MOD	Round Motorized Damper 8", 10" & 12"	DC
Bowden Cable	Stainless Steel Control Wire - 50ft Roll	DC, VA

CABLE OPERATED DAMPER ROTOTWIST



MODEL	SIZE / DESCRIPTION	LOCATION
RT1504806	48" length w/ 6"rd Damper	Balt
RT1504808	48" length w/ 8"rd Damper	Balt
RT1504810	48" length w/ 10"rd Damper	Balt
RT1504812	48" length w/ 12"rd Damper	Balt
MAT1002	Standard Coupling (sq-sq)	Balt
MAT1012	Modified Coupling (rd-sq)	Balt
MAT1048	Field Cut Cable Termination	Balt
CABLE24	2 Foot Extension Cable	Balt
CABLE48	4 Foot Extension Cable	Balt
CABLE144	12 Foot Extension Cable	Balt
WORMGEAR	2 Foot	Balt

TITUS

T3SQ-4

Thermal Variable Air Volume Diffuser

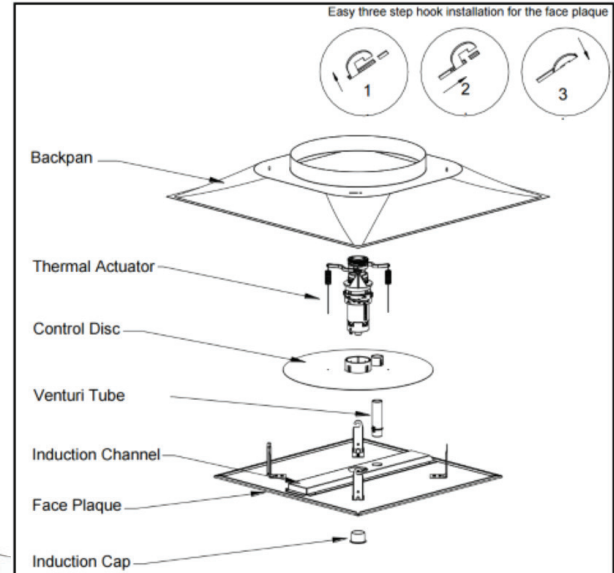
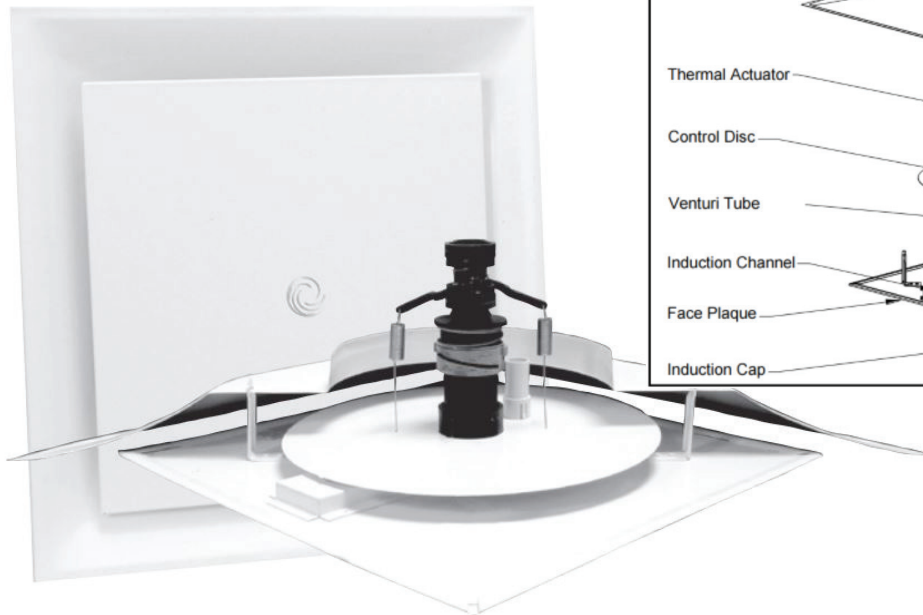
The T3SQ-4 works in heating/cooling applications. The curvature of the backpan works with the formed edges of the face panel to deliver a tight horizontal air pattern without excessive noise or pressure drop over the full range of operation. As the volume of air is decreased by the control disc, the velocity of air is increased, thus maintaining the longest throw and best entrainment. This ensures superior performance at all damper positions.

MODEL	MOUNT	MATERIAL	MODULE SIZE	NECK SIZE	CFM RANGE	LOCATION
T3SQ-4	Lay - In	Steel	24 x 24	8"nk	140 - 350	DC
T3SQ-4	Lay - In	Steel	24 x 24	10"nk	220 - 490	DC

TITUS

ACCESSORIES

NAME	DESCRIPTION	SIZE	LOCATION
Trim Frame	Aluminum	24 x 24	Balt, DC, VA
Relief Ring	8"	6"	DC
Relief Ring	10"	8"	DC



ESV

TITUS

Digital Single Duct Terminal

Single Duct terminals are the fundamental building blocks for Variable Air Volume (VAV) systems. Their primary function is to regulate airflow to a zone, in response to zone temperature requirements. The Titus ESV is unique as it incorporates many design features that increase performance, decrease service and installation costs, and offer increased value, over and above this basic function.

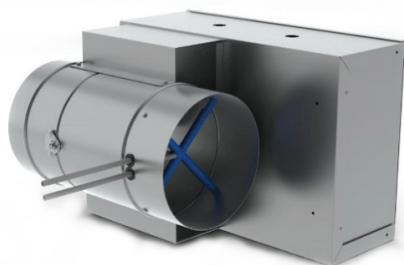
Water Coil Description:

Aluminum plate fins, 10 per square inch

Slip and drive connection

Pipe connections:

1 Row, box size 4 thru 8 = 1/2" O.D. male solder; All other coils (1 and 2 row) = 7/8" O.D. male solder



MODEL	INLET SIZE	OUTLET SIZE W X H X L	LOCATION
ESV	6"rd	12" x 8" x 15.5"	Balt, DC
ESV	8"rd	12" x 10" x 15.5"	Balt, DC
ESV	10"rd	14" x 12.5" x 15.5"	Balt, DC
ESV	12"rd	16" x 15" x 15.5"	Balt, DC
ESV	14"rd	20" x 17.5" x 15.5"	Balt, DC
ESV	16"rd	24" x 18" x 15.5"	Balt
ESV-40	24" x 16"	38" x 18" x 15"	Balt, DC
ECV	6"rd	6"rd	Balt
ECV	8"rd	8"rd	Balt
ECV	10"rd	10"rd	Balt
ECV	12"rd	12"rd	Balt
ECV	14"rd	14"rd	Balt
ECV	16"rd	16"rd	Balt
CEB	ONE SIZE		Balt, DC



WATER COILS

TITUS

Water Coil

Aluminum plate fins, 10 per square inch. Slip and drive connection. Pipe connection with 1 row, box size 4 thru 8 = 1/2" OD male solder; All other coils (1 and 2 row) = 7/8" OD male solder.

MODEL	BOX SIZE	SIZE	DESCRIPTION	LOCATION
WC - _ R-SZ06	4", 5", 6"	12" x 8" x 5"	1 row or 2 row	Balt, DC
WC - _ R-SZ08	7", 8"	12" x 10" x 5"	1 row or 2 row	Balt, DC
WC - _ R-SZ10	9", 10"	14" x 12.5" x 5"	1 row or 2 row	Balt, DC
WC - _ R-SZ12	12"	16 x 15 x 5"	1 row or 2 row	Balt, DC
WC - _ R-SZ14	14"	20" x 17.5" x 7.5"	1 row or 2 row	Balt, DC (1R only)
WC - _ R-SZ16	16"	24" x 18" x 7.5"	1 row or 2 row	Balt
WC - _ R-SZ40	26" x 14"	38" x 18" x 5"	1 row or 2 row	Balt

LOREN COOK

GEMINI CEILING FANS

Centrifugal Ceiling-Wall Cabinet Fan

Loren Cook Gemini fans provide maximum performance, durability, and ease of installation in a wide variety of ceiling (GC) and inline (GN) clean air exhaust applications.

MODEL	CFM @ .1 SP	CFM @ .25 SP	VOLTAGE	LOCATION
GC-120	82 CFM	63 CFM	120v	DC, VA
GC-140	144 CFM	132 CFM	120v	DC, VA
GC-160	173 CFM	162 CFM	120v	DC, VA
GC-180	254 CFM	244 CFM	120v	DC, VA
GC-240	142 CFM	112 CFM	120v	DC, VA
GC-340	252 CFM	224 CFM	120v	DC, VA
GC-420	298 CFM	282 CFM	120v	DC, VA
GC-520	380 CFM	361 CFM	120v	DC, VA
GC-640	582 CFM	548 CFM	120v	DC, VA
GC-740	823 CFM	775 CFM	120v	DC, VA
GC-840	1,371 CFM	1,266 CFM	120v	DC, VA
GC-960	1,716 CFM	1,588 CFM	120v	DC, VA



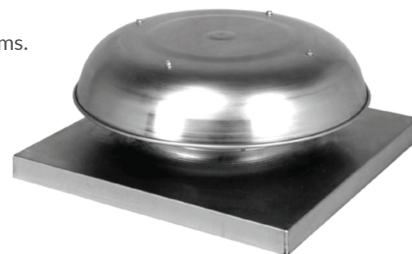
LOREN COOK

GRAVITY VENTILATORS

Spun Aluminum Gravity Vent

Spun aluminum intake/relief ventilator designed for use in both gravity and mechanical ventilation systems. Compact, durable and efficient

MODEL	SIZE	ROOF OPENING	CFM	LOCATION
PR	8"rd	13.5" x 13.5"	215-540	DC, VA
PR	12"rd	15.5" x 15.5"	445-1140	DC, VA
PR	16"rd	23.5" x 23.5"	790-2015	DC, VA
PR	20"rd	27.5" x 27.5"	1220-3130	DC, VA
PR	24"rd	31.5" x 31.5"	1755-4510	DC, VA



LOREN COOK

FAN ACCESSORIES

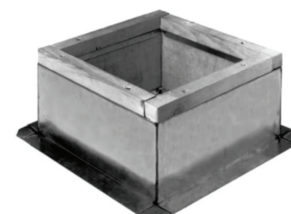
ITEM TYPE	DESCRIPTION	USE WITH
Ceiling Grilles	Metal & Plastic Replacement Grilles	All GC's
Speed Controller	5 watt Speed Controller	All GC's
Speed Controller	10 watt Speed Controller	All GC's
Vibration Isolators	Isolation Kit	All GC's
Vibration Isolators	Rubber In Shear Isolators	All GC's
Inline Conversion	Inline Conversion Kit for 100 Series	GC-120,140,160,180
Thermostat	Thermostat for Cooling Only	All GC's
Wall Caps	WCR 4",6",8"	



ROOF CURBS

STRAIGHT SIDED

MODEL	SIZE	LOCATION	MODEL	SIZE	LOCATION
RC	12" x 12" x 12"H/ OD	DC, VA	RC	26.5" x 26.5" x 13.5"H/OD	DC
RC	16.5" x 16.5" x 13.5"H/OD	DC, VA	RC	28.5" x 28.5" x 13.5"H/OD	DC, VA
RC	18.5" x 18.5" x 13.5"H/OD	DC, VA	RC	30.5" x 30.5" x 13.5"H/OD	DC
RC	22.5" x 22.5" x 13.5"H/OD	DC, VA	RC	32.5" x 32.5" x 13.5"H/OD	VA



**Straight Side Roof Curbs
with Wood Nailor**

CEILING FANS

SOLAR & PALAU

Ceiling and Inline / Cabinet Ventilators

The extremely quiet FF and FFC ventilators are available from 63 to 1423 CFM. All units have centrifugal blower wheels and low RPM motors on resilient mounts.



MODEL	CFM @ .1 SP	CFM @ .25 SP	VOLTAGE	LOCATION
PC80XP	80 CFM	63 CFM	120v	Balt
PC150X	150 CFM	110 CFM	120v	Balt
FF100	117 CFM	94 CFM	120v	Balt
FF150	163 CFM	149 CFM	120v	Balt
FF200	210 CFM	197 CFM	120v	Balt
FF250	261 CFM	253 CFM	120v	Balt
FF300	314 CFM	306 CFM	120v	Balt
FF400	428 CFM	378 CFM	120v	Balt
FF500	517 CFM	481 CFM	120v	Balt
FF700	691 CFM	658 CFM	120v	Balt
FF1500	1,519 CFM	1,423 CFM	120v	Balt

FAN ACCESSORIES

SOLAR & PALAU

ITEM TYPE	MODEL	SIZE	DESCRIPTION	USE WITH	LOCATION
Light Kit	PCLK	-----	Light Kit Adaptor with Light Bulb	PC80x & PC150x	Balt
Speed Controller	SC5A	-----	Wall Mounted Speed Controller to adjust 50-100%; 5 amp - 120v	All FF's	Balt
Speed Controller	SC80L	-----	In-Unit Speed Controller to adjust 50-100%; 3 amp - 120v	FF100 through FF900	Balt
Speed Controller	PCSC	-----	Speed Controller	All PC Fans	Balt
Vibration Isolators	V102	-----	Light/Medium Duty Vibration Isolator Hangers	All FF's	Balt
Vibration Isolators	V104	-----	Heavy Duty Vibration Isolator Hangers	All FF's	Balt
Inline Adaptor Kit	961L	6"rd intake	Converts a Ceiling Fan to Inline Fan	FF100 & FF150	Balt
Inline Adaptor Kit	981L	8"rd intake	Converts a Ceiling Fan to Inline Fan	FF200, FF250 & FF300	Balt
Inline Adaptor Kit	982L	4.5" x 18.5" intake	Converts a Ceiling Fan to Inline Fan	FF400, FF500 & FF700	Balt
Inline Adaptor Kit	983L	8" x 12" intake	Converts a Ceiling Fan to Inline Fan	FF900 & FF1500	Balt
Wall Cap	642	3" or 4"rd dct	Includes Built-in BDD- Natural Alum Finish	All FF's	Balt
Wall Cap	641	6"rd dct	Includes Built-in BDD & BS - Natural Alum Finish	All FF's	Balt
Wall Cap	643	8"rd dct	Includes Built-in BDD- Natural Alum Finish	All FF's	Balt
Wall Cap	613	12"rd dct	Includes Built-in BDDr & BS - Natural Alum Finish	All FF's	Balt
Wall Cap	441	For 10"rd dct	Includes Gravity Dampers, Collar w/ BS	All FF's	Balt
Thermostat	ETD-9STS	-----	Line Voltage Thermostat for Heating Only or Cooling Only	All FF's	Balt
Brick Vent	EX1604	16.5" x 4.75"	Extruded Alum; Clear Anodized Finish, Built-In Insect Screen, 1" Blades at 45° Angles, No Flange	-----	Balt
Brick Vent	EX1608	16.5" x 7.75"	Extruded Alum; Clear Anodized Finish, Built-In Insect Screen, 1" Blades at 45° Angles, No Flange	-----	Balt

DAMPERS

RUSKIN

IBD2 STATIC FD

UL 555 1.5 hr. Static, Curtain Type, Optional Sleeve

The IBD2A is a UL555 1-1/2 Hour Rated Classified Curtain Type Fire Damper. It meets all UL and NFPA criteria for primary fire dampers in static (fans off during alarm) HVAC systems. Features fusible link included standard and galvanized steel construction.



SIZE	TYPE	LOCATION	SIZE	TYPE	LOCATION	SIZE	TYPE	LOCATION
6 x 4	"A"-spring	DC, VA	16 x 8	"A"-spring	DC, VA	20 x 20	"A"-spring	DC, VA
6 x 6	"A"-spring	Balt, DC, VA	16 x 10	"A"-spring	DC, VA	22 x 10	"A"-spring	DC, VA
8 x 4	"A"-spring	DC, VA	16 x 12	"A"-spring	DC, VA	24 x 6	"A"-spring	DC, VA
8 x 6	"A"-spring	Balt, DC, VA	16 x 14	"A"-spring	DC, VA	24 x 8	"A"-spring	DC, VA
8 x 8	"A"-spring	Balt	16 x 16	"A"-spring	DC, VA	24 x 10	"A"-spring	DC, VA
10 x 6	"A"-spring	Balt, DC, VA	18 x 8	"A"-spring	DC, VA	24 x 12	"A"-spring	DC, VA
10 x 8	"A"-spring	Balt, DC, VA	18 x 10	"A"-spring	DC, VA	24 x 14	"A"-spring	DC, VA
10 x 10	"A"-spring	Balt, DC, VA	18 x 12	"A"-spring	DC, VA	24 x 16	"A"-spring	DC, VA
12 x 6	"A"-spring	Balt, DC, VA	18 x 14	"A"-spring	DC, VA	24 x 18	"A"-spring	DC, VA
12 x 8	"A"-spring	Balt, DC, VA	18 x 16	"A"-spring	DC, VA	24 x 20	"A"-spring	DC, VA
12 x 10	"A"-spring	Balt, DC, VA	18 x 18	"A"-spring	DC, VA	24 x 24	"A"-spring	DC, VA
12 x 12	"A"-spring	Balt, DC, VA	20 x 6	"A"-spring	DC, VA	6"rd	"R"	DC, VA
14 x 6	"A"-spring	Balt, DC, VA	20 x 8	"A"-spring	DC, VA	8"rd	"R"	DC, VA
14 x 8	"A"-spring	Balt, DC, VA	20 x 10	"A"-spring	DC, VA	10"rd	"R"	DC, VA
14 x 10	"A"-spring	Balt, DC, VA	20 x 12	"A"-spring	DC, VA	12"rd	"R"	DC, VA
14 x 12	"A"-spring	Balt, DC, VA	20 x 14	"A"-spring	DC, VA	—	165 fusible link	DC, VA
14 x 14	"A"-spring	Balt, DC, VA	20 x 16	"A"-spring	DC, VA			
16 x 6	"A"-spring	DC, VA	20 x 18	"A"-spring	DC, VA			

RUSKIN

CFD/ CFDR

UL 555C Classified Ceiling Fire Damper, Rectangular and Circular

The CFD2 is a UL555C Classified Ceiling Fire Damper. It features fire and heat protection where HVAC components penetrate the ceiling membrane. Equipped with fusible link at no extra charge. Galvanized steel construction.



MODEL	TYPE	WAREHOUSE LOCATION	MODEL	TYPE	WAREHOUSE LOCATION
CFD	6 x 6	Balt, DC, VA	CFDR	6"rd	Balt, DC, VA
CFD	8 x 8	Balt, DC, VA	CFDR	8"rd	Balt, DC, VA
CFD	9 x 9	DC, VA	CFDR	10"rd	Balt, DC, VA
CFD	10 x 10	Balt, DC, VA	CFDR	12"rd	Balt, DC, VA
CFD	12 x 12	Balt, DC, VA	CFDR	14"rd	DC, VA
CFD	15 x 15	DC, VA	CFDR	15"rd	DC, VA
CFD	18 x 18	DC, VA	RCF - blanket	24 x 24	DC, VA
CFD	22 x 22	Balt, DC, VA			



RUSKIN

BDD/ BD2A

Commercial Backdraft Damper

The Ruskin Backdraft damper offers backdraft features a non-metallic blade to blade seal which provides quiet operation during the highest spot velocities. Corrosion resistant aluminum construction. Blades that overlap the frame for optimal protection.

MODEL	SIZE	FRAME TYPE	MATERIAL	FINISH	LOCATION
BD2A1	12 x 12	Channel	Aluminum	Mill	Balt, DC, VA
BD2A1	18 x 18	Channel	Aluminum	Mill	Balt, DC, VA
BD2A2	24 x 12	Channel	Aluminum	Mill	Balt, DC, VA
BD2A2	24 x 24	Channel	Aluminum	Mill	Balt, DC, VA



DIB2A

RUSKIN

UL 555 1.5 HR. Dynamic, Curtain Type, Fire Damper

The DIBD2 is a UL555 1.5hr. Classified Dynamic Curtain Type Fire Damper. It features Vertical and horizontal closure spring operation for assured closure under air flow in HVAC systems. Galvanized steel construction with maximum velocity 4,000 fpm and maximum 4" static pressure.

SIZE	TYPE	LOCATION	SIZE	TYPE	LOCATION	SIZE	TYPE	LOCATION
6 x 6	"A"-spring	Balt	14 x 14	"A"-spring	Balt	20 x 14	"A"-spring	Balt
8 x 6	"A"-spring	Balt	16 x 8	"A"-spring	Balt	20 x 16	"A"-spring	Balt
8 x 8	"A"-spring	Balt	16 x 10	"A"-spring	Balt	20 x 20	"A"-spring	Balt
10 x 6	"A"-spring	Balt	16 x 12	"A"-spring	Balt	24 x 8	"A"-spring	Balt
10 x 8	"A"-spring	Balt	16 x 14	"A"-spring	Balt	24 x 10	"A"-spring	Balt
10 x 10	"A"-spring	Balt	16 x 16	"A"-spring	Balt	24 x 12	"A"-spring	Balt
12 x 6	"A"-spring	Balt	18 x 8	"A"-spring	Balt	24 x 14	"A"-spring	Balt
12 x 8	"A"-spring	Balt	18 x 10	"A"-spring	Balt	24 x 18	"A"-spring	Balt
12 x 10	"A"-spring	Balt	18 x 12	"A"-spring	Balt	24 x 20	"A"-spring	Balt
12 x 12	"A"-spring	Balt	18 x 14	"A"-spring	Balt	24 x 24	"A"-spring	Balt
14 x 6	"A"-spring	Balt	18 x 18	"A"-spring	Balt	6"rd	"R"	Balt
14 x 8	"A"-spring	Balt	20 x 10	"A"-spring	Balt	8"rd	"R"	Balt
14 x 10	"A"-spring	Balt	20 x 12	"A"-spring	Balt	10"rd	"R"	Balt
14 x 12	"A"-spring	Balt				12"rd	"R"	Balt

ACCESS DOORS

RUSKIN

Hinged Access Door

The Single Skin Access Door is constructed of galvanized steel and features quick, easy installation wherever duct access is needed. Manual locks, assuring tight door closure. Continuous, piano-type hinges that give smooth operation.

Double cam lock steel duct access door.



MODEL	SIZE	FINISH	LOCATION
ADH	6 x 6	Mill	Balt, DC, VA
ADH	8 x 8	Mill	Balt, DC, VA
ADH	10 x 10	Mill	Balt, DC, VA
ADH	12 x 12	Mill	Balt, DC, VA
ADH	14 x 14	Mill	Balt, DC, VA
ADH	16 x 16	Mill	Balt
ADH	18 x 18	Mill	Balt, DC, VA

MODEL	SIZE	FINISH	LOCATION
ADC	6 x 6	Mill	Balt
ADC	8 x 8	Mill	Balt
ADC	10 x 10	Mill	Balt
ADC	12 x 12	Mill	Balt
ADC	14 x 14	Mill	Balt
ADC	16 x 16	Mill	Balt
ADC	18 x 18	Mill	Balt
ADC	24 x 24	Mill	Balt

ELF375DX

RUSKIN

Stationary Louver

The GFL800 Stationary Louver has a 4" deep frame and a 45 degree blade angle. It features 44% free area. Weather protection capability. Extruded aluminum construction.



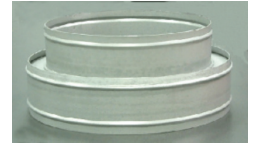
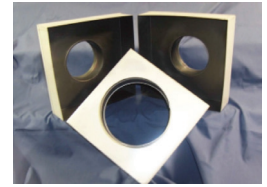
MODEL	TYPE	FRAME TYPE	MATERIAL	FINISH	LOCATION
ELF375DX	12 x 12	Flanged	Aluminum	Mill	DC, VA
ELF375DX	18 x 18	Flanged	Aluminum	Mill	DC, VA
ELF375DX	24 x 12	Flanged	Aluminum	Mill	DC, VA
ELF375DX	24 x 24	Flanged	Aluminum	Mill	DC, VA
ELF375DX	36 x 24	Flanged	Aluminum	Mill	DC, VA
ELF375DX	48 x 24	Flanged	Aluminum	Mill	DC, VA

SHEET METAL

RAYMON DONCO

SQ-RD & RD-RD

MODEL	SQUARE SIZE	NECK SIZES AVAILABLE	LOCATION
Square to Round	6 x 6	6"rd	Balt, DC, VA
Square to Round	8 x 8	8"rd	Balt, DC, VA
Square to Round	9 x 9	6, 8"rd	Balt, DC, VA
Square to Round	10 x 10	6 - 10"rd	Balt, DC, VA
Square to Round	12 x 12	6 - 12"rd	Balt, DC, VA
Square to Round	15 x 15	6 - 14"rd	Balt, DC, VA
Square to Round	18 x 18	6 - 16"rd	Balt, DC, VA
Square to Round	22 X 10	8 - 10"rd	Balt
Square to Round	22 x 22	6 - 16"rd	Balt, DC
Square to Round	22 x 22	18"rd	Balt
Round to Round	6"	4" rd	Balt, DC
Round to Round	6"	5"rd	Balt
Round to Round	8"	6"rd	Balt, DC, VA
Round to Round	10"	6"rd, 8"rd	Balt, DC, VA
Round to Round	12"	10"rd	Balt, DC, VA
Round to Round	14"	12"rd	Balt, DC, VA



ELGEN

SHEETMETAL

MODEL	SQUARE SIZE	NECK SIZES AVAILABLE	LOCATION
Round to Round	6"	Tapered Transition to 4", 5"	Balt
Round to Round	8"	Tapered Transition to 6"	Balt
Round to Round	10"	Tapered Transition to 6", 8"	Balt
Round to Round	12"	Tapered Transition to 6", 8", 10"	Balt
Round to Round	14"	Tapered Transition to 12"	Balt
Round to Round	15"	Tapered Transition to 14"	Balt
Snap Lock Pipe	4"rd-5"rd	60" length w/ crimped end	Balt
Snap Lock Pipe	6"rd-16"rd	60" length w/ crimped end	Balt, DC, VA
Snap Lock Pipe	18"rd	48" length w/ crimped end	Balt
90° Elbow	4"rd-5" rd, & 18"rd	Adjustable w/ crimped end	Balt
90° Elbow	6"rd-16"rd	Adjustable w/ crimped end	Balt, DC, VA
Air Tite w/ Dpr	4"rd-5" rd, & 18"rd	RD to RD w/ adhesive back	Balt, DC, VA
Air Tite w/ Dpr	6"rd-16"rd	RD to RD w/ adhesive back	Balt, DC, VA
Air Tite w/ Dpr	4"rd-14"rd	Rectangular to RD w/ adhesive back	Balt, DC, VA
Air Tite (No Dpr)	6" rd-12"rd	RD to RD w/ adhesive back	Balt
End Caps	6" rd-10"rd	End Caps/Tee Cap	Balt, DC, VA
End Caps	12" rd-16"rd	End Caps/Tee Cap	Balt
Tee Joint	6"rd-10"rd	15 Inch Long Tee	VA
Tee Joint	4"rd-14"rd	15 Inch Long Tee	Balt





DUCT SEALER

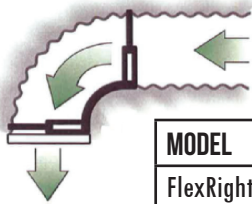
HART & COOLEY

MODEL	TYPE	DESCRIPTION	LOCATION
Duct Sealer	SL1520	Sheet Metal Duct Sealant Gallons, Caulk-style bottles, and brushes available	Balt, DC, VA

FLEX DUCT



MODEL	SIZE	INSULATION	DESCRIPTION	LOCATION
FLEX-R42	6"rd - 16"rd	R4.2	Black jacket, double-ply polyester core, wire helix	DC, VA
FLEX-R42	4"rd - 12"rd	R4.2	Black jacket, double-ply polyester core, wire helix	Balt
FLEX-R6	4"rd - 18"rd	R6	Gray jacket, double-ply polyester core, wire helix	Balt
FLEX-R6	6"rd - 16"rd	R6	Black jacket, double-ply polyester core, wire helix	DC, VA
FLEX-R8	6"rd - 16"rd	R8	Black jacket, double-ply polyester core, wire helix	VA



FLEXRIGHT

TITUS

MODEL	SIZE	DESCRIPTION	LOCATION
FlexRight	FlexRight	Forms 90° Elbow for Flexible Duct, Adjustable from 4" - 16"	Balt, DC
P/P00PT18	P/P00PT18	#26 White Spray Paint (to match Titus standard colors)	Balt, DC, VA
60150039	60150039	#84 Black Spray Paint (to match Titus standard colors)	Balt, DC
60150040	60150040	#01 Aluminum Spray Paint (to match Titus standard colors)	Balt

STRAPS, RAILS, BANDS

METALS

MODEL	DIAMETER	SIZE	DESCRIPTION	WAREHOUSE LOCATION
FDT36	10"	36"L	Nylon Duct Bands (zip tie type)	Balt, DC, VA
FDT48	14"	48"L	Nylon Duct Bands (zip tie type)	Balt
SSDC	8.5"-16.25"	-----	Stainless Steel Bands	Balt, DC, VA
HANGER STRAP	-----	120" x 1"	18 gauge duct hanger straps	Balt, DC, VA
EQUIPMENT RAIL	-----	36" x 3.5"	18 gauge galvanized straight rail, rated at 480lbs	DC, VA
EQUIPMENT RAIL	-----	48" x 3.5"	18 gauge galvanized straight rail, rated at 480lbs	DC, VA

CURVED LIGHTSHEILDS

DONCO

Designed to support maximum airflow, Curved Insulated Dome provides sound absorption and attenuation to prevent noise from traveling above your ceiling.

OTHER DOME OPTIONS AND LIGHT SHIELDS AVAILABLE UPON REQUEST.



MODEL	DESCRIPTION	LOCATION
Curved Insulated Dome	For 24 x 24 Module Lay-In Grilles with 22 x 22 necks For 24 x 24 Module Lay-In Grilles with 22 x 22 necks	Balt, DC, VA
CLS-L	For 24x24 Module Lay-In Grilles Insulated 1/2" Fiberglass with black facing	Balt, DC, VA

SHEET METAL

RUSKIN

HF

Hang Fast

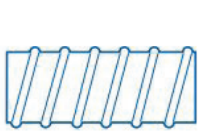
Gripple Hang Fast (HF) range is used to suspend, brace, and secure any services. Up to 6 times faster to install than traditional hanging systems. Ready-to-use kit. Improves work comfort and safety.

LENGTH (FT)	NO. 2 (100 LBS)	NO. 3 (200 LBS)	LOCATION
5	HF2-LG-5FT	HF3-LG-5FT	Balt
10	HF2-LG-10FT	HF3-LG-10FT	Balt
15	HF2-LG-15FT	HF3-LG-15FT	Balt
30	HF2-LG-30FT	HF3-LF-30FT	Balt
Small Cable Cutter suitable for use with sizes No. 1-4			



EASTERN SHEET METAL

SPIRAL & FITTINGS



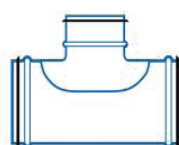
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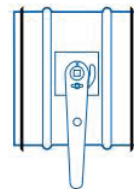
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FCPT



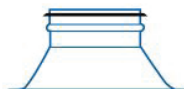
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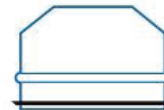
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CTOT



ECT



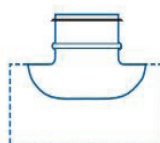
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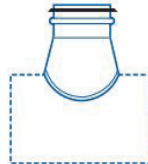
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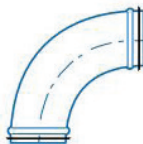
PRDBT



PFTT



FTCT



PE90T



E90T



E45T



PE45T

SPIRAL & FITTINGS

EASTERN SHEET METAL

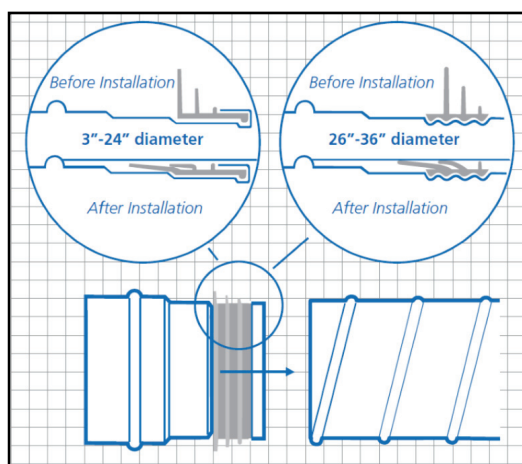
NOT YET AVAILABLE IN STOCK AT ALL WAREHOUSES. CALL TO CONFIRM.

Spiral & Spiral Fittings

MODEL	SP	(P) E45T	(P) E90T	PTT	PCPT	PBT /CTOT	DT	(P) ECT	FCP	TOT
DIA SIZE	10FT SPIRAL PIPE	45DEG ELBOW	90DEG ELBOW	90DEG CNTRD TEE	PIPE COUP	BELLMOUTH/ CONICAL TAKE OFF	PIPE VOLUME DAMPER	END CAP	FEMALE PIPE COUP.	STRAIGHT TAKEOFF
4"	●	●	●	●	●	●	●	●	●	●
6"	●	●	●	●	●	●	●	●	●	●
8"	●	●	●	●	●	●	●	●	●	●
10"	●	●	●	●	●	●	●	●	●	●
12"	●	●	●	●	●	●	●	●	●	●
14"	●	●	●		●	●		●	●	●
16"	●	●	●		●	●		●	●	●
18"	●	●	●		●	●		●	●	●
20"	●	●	●		●	●		●	●	●
22"	●	●	●		●	●		●	●	●
24"	●	●	●		●	●		●	●	●

(P) RDT (REDUCERS)		PFTCT/ FTCT* (SADDLE TAPS)	
SIZE	SMALL DIA. SIZE	BRANCH DIA. SIZE	MAIN PIPE DIA. SIZE
6"	4"	4"	4-6"
8"	6"	6"	6-18"
10"	6-8"	8"	8-18"
12"	8-10"	10"	10-24"
14"	8-12"	12"	12-24"
16"	10-14"	14"	14-24"
18"	12-16"	16"	16-24"
20"	14-18"	18"	18-24"
22"	16-20"	20"	20-24"
24"	18-22"	22"	22-24"
		24"	24"

EASTERN TIGHT Fittings will save you money and reduce installation time by eliminating joint sealing. They feature a triple lipped EPDM rubber gasket, held in place with a 180° hemmed edge, that provides a reliable, airtight seal. EASTERN TIGHT Fittings are suitable for use for temperatures ranging from -20° F to 212° F.



Fittings are secured to the duct with self tapping screws uniformly located around the circumference per SMACNA standards.

EASTERN TIGHT Fittings have been independently tested and can be used to meet SMACNA Class 3 leakage standards for -2" WG to +10" WG.



NOTES AND TERMS & CONDITIONS ABOUT THIS CATALOG

PERFORMANCE DATA

CFM information for the air devices in the enclosed catalog is based on cataloged information. The maximum flow is based on 30 NC (unless noted otherwise). The minimum flow is based on the lowest CFM cataloged. This information is to be used for reference only. CFM data listed is based on cataloged laboratory published performance. Contact an H&B salesman for selection assistance or to request the latest catalog for performance information.

FINISH

Air Devices are standard factory White Finish unless noted otherwise.

MATERIAL

Air Devices are made of Steel unless noted otherwise.

PAYMENT TERMS

NET 30 days from date of invoice for customers with a current account with H&B Engineered Products, Inc.

We also accept Visa, MasterCard, American Express, Discover, money orders & certified checks.

SHIPPING

All orders shipped 'best way' determined by Warehouse Manager unless quoted otherwise.

All orders are PLUS FREIGHT, unless negotiated with an H&B salesman. Delivery is to be made to a business address only. Deliveries with additional services (lift-gate, trucker notification, etc.) may be subject to additional charges. Jobsite deliveries are not recommended. We try to coordinate the best we can but we are not responsible for lost or damaged shipments. Jobsite name and phone number is required for jobsite deliveries.

WARRANTIES

Subject to manufacturer's terms and conditions. Contact an H&B salesman for warranty information.

RETURNS

Returns must be made within (30) days of invoice date and must be in original manufacturer's box. Box and products are to be undamaged and free of all defects and installation markings. Returns are subject to a 25% restocking fee. Shipping charges are not refundable. All factory orders are special order and are not eligible to be returned to any warehouse or to the factories.

PRICING

Contact an H&B salesman for a price list or call a warehouse directly to be quoted on any item in this catalog.

TERRITORIES

All items in this catalog may be picked up at its corresponding location by any customer.

However, due to manufacturer's territorial boundaries, we are not able to ship some products to locations outside of the represented territory.

Contact H&B salesperson for more information.





12500 Baltimore Avenue, Unit F
Beltsville, Maryland 20705
Phone: 1-301-918-0241
E-mail: info@hbproducts.com
Website: www.hbproducts.com