

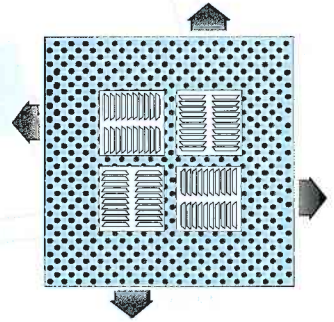


**CASCO**

## HIGH PERF

- Comes in supply and return units.
- Fiberglass plenum prescored for 5"-16" flexible duct connection.
- 100% foil reinforcement molded fiber glass plenum.
- Near perfect air distribution - full 360 degree air flow - no dead air corners.

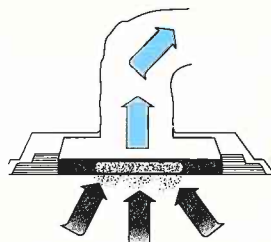
1. Molded fiber glass plenums.
2. All supply units have 4-way pattern control for easy adjustment to 3,2 or 1 way throws.
3. Thermal insulation.
4. Acoustical absorption surpassing any steel products.
5. Light weight, overall economy, simplified ordering and fast delivery.
6. Easy to install — simply bend clips over the T-bars at diagonal corners and affix to cross member using #8 sheet metal screws.



## RETURN AIR FILTER GRILLE

- Completely universal, one size fiber glass return plenum prescored for 6" thru 14" flex duct connections.
- Uses a standard 20" x 20" x 1" filter.
- Easy to change the filter — no need to climb on a roof or dirty equipment room.
- Comes complete with a filter installed.

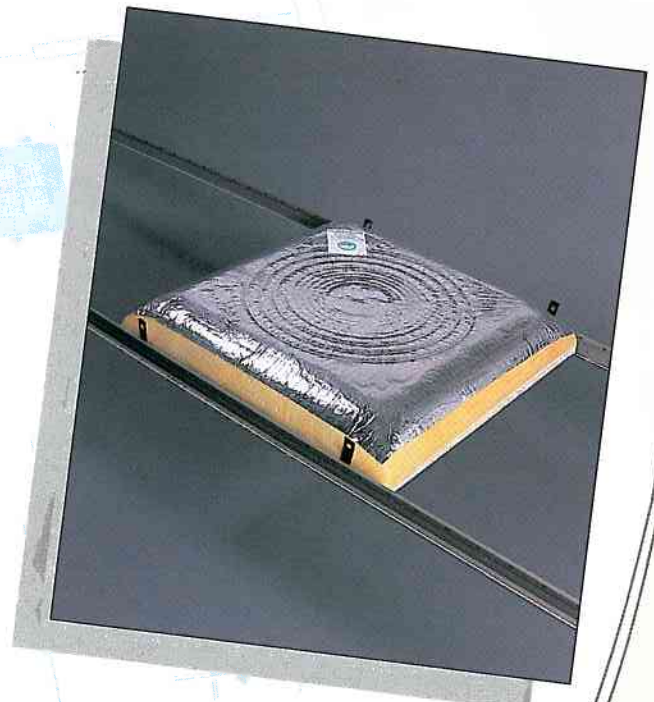
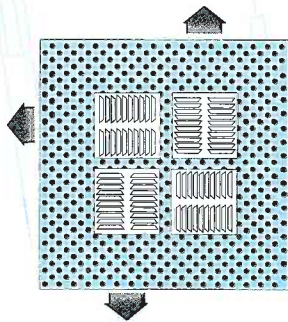
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## LI4PC & LIRD

- L.I. models come in supply and return units.
- This model is available in both a 24" x 24" and 12" x 24" size.
- Fiber glass plenum prescored for 5"-16" flexible duct connection on the 24" x 24" and 5"-10" flex duct connections on the 12" x 24" unit.
- The 12" x 24" model is ideal for small offices and mobile or modular structures.

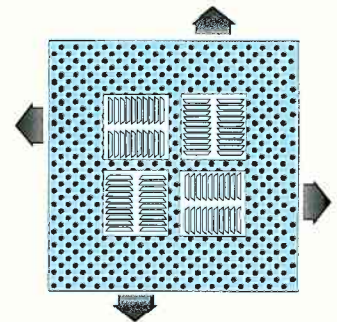
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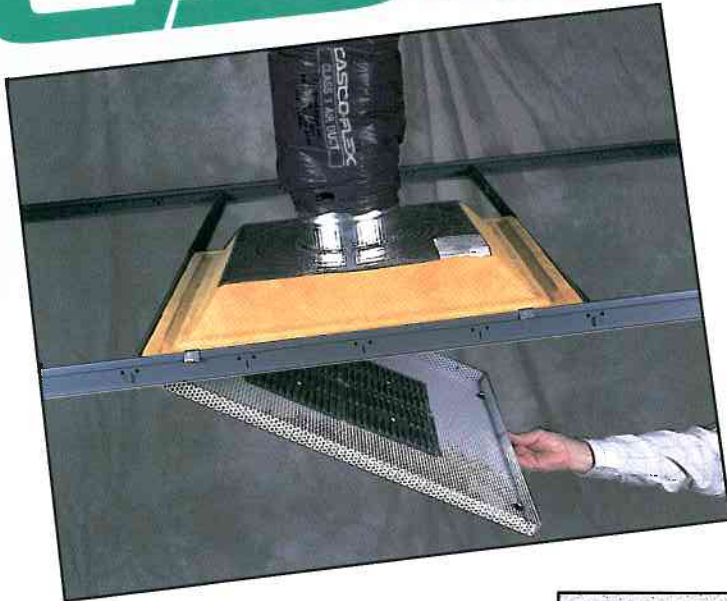
## SLIM LINE

- Comes in supply and return units.
- Fiber glass plenum prescored for 5"-12" flexible duct connection
- 100% foil reinforcement molded fiber glass plenum.

1. Molded fiber glass plenums.
2. All supply units have 4-way pattern control for easy adjustment to 3,2 or 1 way throws.
3. Thermal insulation.
4. Acoustical absorption surpassing any steel products.
5. Light weight, overall economy, simplified ordering and fast delivery.
6. Easy to install — simply bend clips over the T-bars at diagonal corners and affix to cross member using #8 sheet metal screws.



# CASCO



## HINGED FACE DIFFUSER

Molded Fiberglass Diffuser  
Model #H.F.S.D.

**1.** Turn two (2) tabs to release grille, either by finger tip or screwdriver



Unique molded fiber glass plenum with foil reinforcement offers:

- Thermal insulation
- Acoustical Absorption surpassing any steel product
- Casco's universal collars make a quick, air-tight connection.
- Superior Air Performance
- Light Weight
- Overall Economy
- Minimum Inventory
- Simplified Ordering
- Fast Delivery



**2.** Grille will hinge down to vertical position.

**3.** Louvers are now exposed for easy adjustment to 1, 2, 3 or 4 way pattern throw.



**4.** The grille can easily be cleaned inside and out with soap and water.



**5.** The unit can now be returned to original position.

# UNIVERSAL PERFORMANCE

INLET SIZE		INLET VELOCITY (F.P.M.) & VELOCITY PRESSURE (IN. H <sub>2</sub> O)															
		300	.006	400	.010	500	.016	600	.023	700	.031	800	.040	1000	.063	1200	.090
5"	CFM	40		55		70		80		95		110		135		165	
	Pt.	.009		.015		.023		.033		.045		.059		.092		.132	
	NC	—		—		—		16		21		25		31		36	
	4-WAY	1- 1- 3		1- 2- 4		1- 2- 4		1- 3- 5		1- 3- 5		2- 3- 5		2- 3- 6		3- 4- 7	
	3-WAY	1- 2- 3		1- 2- 4		2- 2- 5		1- 3- 5		2- 3- 6		2- 3- 6		2- 3- 7		3- 4- 8	
	2-WAY	1- 2- 4		1- 2- 5		2- 2- 5		2- 3- 6		2- 3- 7		2- 3- 7		2- 3- 8		3- 5- 9	
6"	CFM	60		80		100		120		140		160		200		235	
	Pt.	.009		.016		.025		.036		.049		.064		.100		.144	
	NC	—		—		—		18		23		27		34		38	
	4-WAY	1- 1- 3		1- 2- 4		1- 2- 4		1- 3- 6		1- 3- 6		2- 3- 7		2- 4- 8		3- 5- 9	
	3-WAY	1- 2- 3		1- 2- 4		2- 2- 5		2- 3- 6		2- 3- 7		2- 4- 8		3- 4- 9		4- 5-10	
	2-WAY	1- 2- 4		1- 2- 5		2- 4- 5		2- 4- 6		3- 4- 7		3- 4- 9		3- 4-10		4- 6-11	
7"	CFM	80		105		135		160		190		215		270		320	
	Pt.	.009		.017		.026		.038		.051		.067		.105		.151	
	NC	—		—		16		20		25		29		35		40	
	4-WAY	1- 1- 3		1- 2- 4		2- 2- 5		2- 3- 6		2- 3- 7		2- 4- 9		3- 5-10		4- 6-11	
	3-WAY	1- 2- 3		1- 2- 5		2- 3- 5		2- 3- 7		3- 3- 8		3- 4-10		4- 5-11		5- 6-12	
	2-WAY	1- 2- 4		1- 2- 5		2- 4- 6		3- 4- 7		3- 4- 8		3- 4-11		4- 5-13		5- 7-13	
8"	CFM	105		140		175		210		245		280		350		420	
	Pt.	.010		.017		.027		.039		.052		.068		.107		.154	
	NC	—		—		17		22		26		30		37		42	
	4-WAY	1- 1- 3		1- 2- 4		2- 2- 5		2- 3- 7		2- 3- 8		2- 4-11		3- 5-12		4- 6-13	
	3-WAY	1- 2- 3		1- 2- 5		2- 3- 5		2- 3- 8		3- 4- 9		3- 5-12		4- 5-13		5- 7-14	
	2-WAY	1- 2- 4		1- 2- 5		2- 4- 6		3- 4- 8		3- 4- 9		3- 5-13		4- 6-15		6- 7-16	
9"	CFM	135		175		220		265		310		355		440		530	
	Pt.	.011		.019		.029		.042		.057		.075		.117		.168	
	NC	—		—		20		25		29		33		39		44	
	4-WAY	1- 2- 3		1- 2- 4		2- 2- 5		2- 3- 8		3- 4- 8		2- 4-11		3- 5-12		4- 6-13	
	3-WAY	1- 2- 4		1- 2- 5		2- 3- 6		2- 4- 8		3- 5- 9		3- 5-12		4- 6-13		5- 7-15	
	2-WAY	1- 2- 5		2- 3- 6		2- 4- 7		3- 4- 9		3- 5-10		3- 5-13		5- 7-15		6- 8-17	
10"	CFM	165		220		270		325		380		435		545		655	
	Pt.	.012		.020		.032		.046		.063		.082		.128		.184	
	NC	—		16		22		27		31		35		42		46	
	4-WAY	1- 2- 4		1- 2- 5		2- 3- 6		2- 4- 8		3- 5- 9		3- 5-11		4- 6-12		5- 6-14	
	3-WAY	1- 2- 4		1- 3- 6		2- 3- 7		2- 4- 9		3- 5-10		3- 5-12		4- 6-14		5- 7-16	
	2-WAY	1- 2- 5		2- 3- 7		3- 4- 9		3- 5-10		3- 6-11		3- 6-14		5- 7-15		6- 9-18	
12"	CFM	235		315		390		470		550		630		785		945	
	Pt.	.015		.028		.042		.060		.082		.108		.168		.242	
	NC	—		18		25		30		35		39		45		50	
	4-WAY	1- 3- 5		2- 3- 7		3- 5- 9		3- 6-11		4- 6-12		5- 7-13		6- 8-15		7- 8-16	
	3-WAY	2- 3- 5		2- 4- 8		3- 5-10		3- 6-12		5- 7-14		5- 7-15		6- 8-16		7- 9-18	
	2-WAY	2- 4- 6		3- 5- 9		4- 6-12		4- 7-13		5- 8-15		6- 8-16		7- 9-17		8-10-20	
14"	CFM	320		425		530		635		740		850		1060		1270	
	Pt.	.021		.038		.059		.085		.115		.151		.236		.340	
	NC	16		24		30		35		40		44		50		55	
	4-WAY	2- 4- 7		3- 5- 9		4- 6-12		5- 8-14		5- 8-15		6- 9-16		7- 9-18		8-10-19	
	3-WAY	2- 4- 7		3- 5-10		4- 6-13		5- 8-15		6- 9-17		6-10-18		7-10-19		8-11-21	
	2-WAY	2- 5- 8		3- 6-11		4- 7-14		6- 9-16		7-10-18		8-11-19		9-12-20		10-12-22	

All data is with air control baffles in upmost position.

Pt: Total Pressure drop in inches H<sub>2</sub>O.

NC: Based on a room absorption of 8 DB, RE 10<sup>12</sup> watts.

**THROW:** Distance from center of diffuser that terminal velocities of 150, 100 & 50 F.P.M. respectively are sustained, using isothermal air. Above four-way data is for factory set 4-way (see reverse side of sheet); 4-way corner throw values are three quarters (.75) of those listed above.