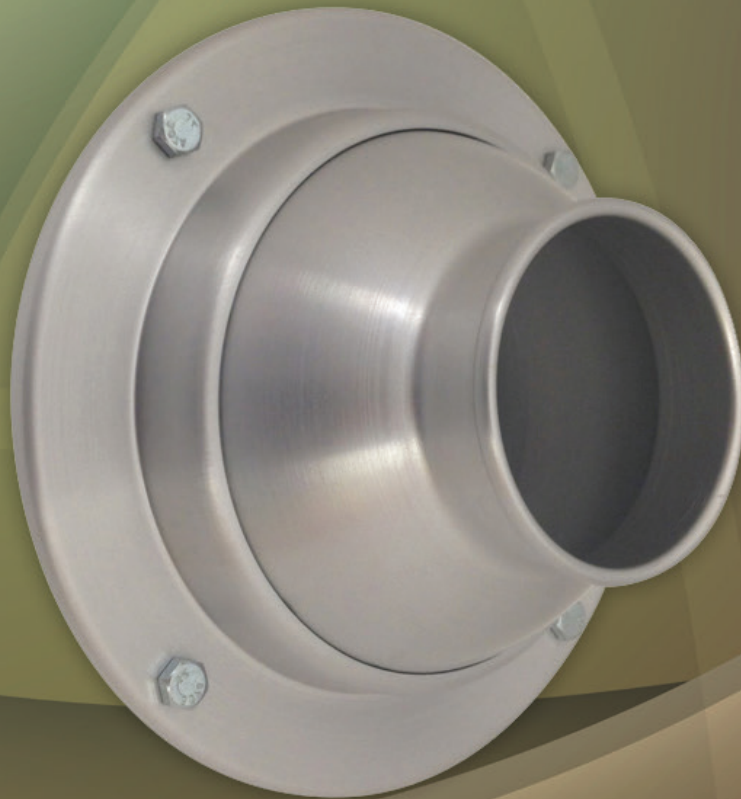


# AIRCONCEPTS

AIR DISTRIBUTION PRODUCTS



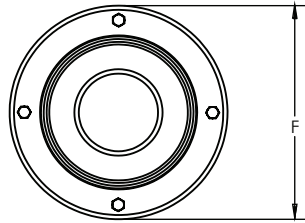
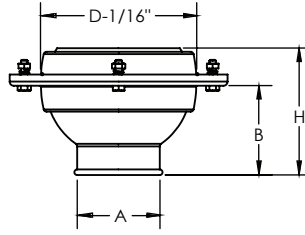
HTO SERIES

# HTO

## High Temperature Outlet

### Swirl Diffuser Dimensions in Inches

MODEL	A	B	D	F	H
HTO-03	1 5/8	1 3/4	3 1/8	5	2 11/16
HTO-04	2	2 9/16	4	6	3 5/16
HTO-05	2 1/2	2 5/8	5	7	4
HTO-06	3	3 1/16	6	8	4 1/2



### High Velocity/

### High Aspiration Air Outlet

No adhesives, silicones or felt gasket  
 Suitable for labs, clean rooms, air showers, spray booths & ovens  
 Up to 500° F operating temperature

### Construction

Heavy gauge aluminum face

### Finishes

Standard: #00 Mill  
 #10 Clear Anodized

### Adjustability

Lock down adjustment  
 70° global rotation minimum  
 ± 35° deflection  
 360° rotation

MODEL	Nozzle Velocity (FPM)	1000	1500	2000	2500	3000	3500	4000
HTO-03	CFM	14	22	29	36	43	50	58
	Static Pressure	0.03	0.07	0.13	0.20	0.28	0.39	0.50
	NC	<15	<15	<15	19	23	26	30
	Projection	2-4-8	3-6-13	4-8-15	5-11-16	6-12-17	7-13-20	8-14-21
HTO-04	CFM	22	33	44	55	66	77	88
	Static Pressure	0.03	0.07	0.13	0.20	0.28	0.39	0.50
	NC	<15	<15	<15	19	23	26	30
	Projection	3-6-12	4-8-17	6-12-23	8-16-24	9-18-27	10-21-30	12-22-32
HTO-05	CFM	34	51	68	85	102	119	136
	Static Pressure	0.04	0.10	0.16	0.28	0.40	0.52	0.64
	NC	<15	<15	<15	20	24	28	32
	Projection	4-7-14	5-10-20	7-14-28	9-18-27	11-22-33	13-26-37	15-27-39
HTO-06	CFM	49	74	98	123	147	172	196
	Static Pressure	0.05	0.12	0.22	0.34	0.49	0.66	0.86
	NC	<15	<15	15	21	25	29	33
	Projection	4-8-16	6-12-23	8-16-27	10-20-30	12-21-32	14-25-36	16-26-38

Performance data based on ASHRAE 70-06

**PROJECTION:** Projection distance (THROW) in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity (Vt).

**TERMINAL VELOCITY:** Maximum velocity (Vt) in feet per minute at the specified distance from the outlet face (THROW) 400 fpm, 200 fpm and 100 fpm respectively.

**AIRFLOW CFM:** Standard air density and isothermal conditions.

**STATIC PRESSURE:** Inches of water gauge required.

**NOISE CRITERIA:** Noise criteria (NC) curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.