



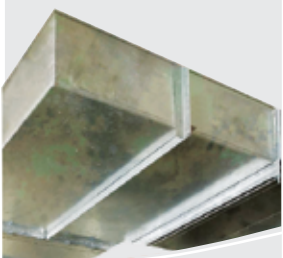
Delivering with agility for a dynamic industry

Safer, greener, innovative solutions
in the fast evolving HVAC industry

Celebrating **20** *years*



Fire Resisting Ductwork



Life Safety Dampers



Sound Attenuators



Fire-rated Insulation



Smoke Exhaust,
Car Park & Tunnel
Ventilation Fans



Control Dampers



Louvers



UL Listed
Air Filters
& ESPs



AHU, FAHU, FCU, RTU,
ERV & Ecology Units



VAV Boxes



PI VAV CATALOGUE

Central Ventilation Systems (CVS) designs, tests, manufactures, and supplies certified air distribution, air control, and passive fire protection solutions, complying with international standards such as UL, AMCA, BS, EN, NFPA, IBC, ASFP, SMACNA, and DW144.

We are a family-owned group, that has been understanding the HVAC industry for 20 years; through the experience of providing certified HVAC solutions to over 1000 projects of varied sizes and complexities, primarily for the commercial, residential, healthcare, educational facilities, data centers and different industrial segments.

The existing range of CVS products includes the BS & EN Certified Fire-Rated Ductwork System, UL Classified Life Safety Dampers, AMCA Certified Louvers, Volume Control Dampers, and Sound Attenuators.

Our Research and Development team continually strives to improve our existing products as well as introduce new products to serve our customers efficiently. Maintaining quality at every stage, we work with a spirit of teamwork in achieving the various performance objectives of the consultants and building contractors. We inspect and certify our projects, and offer the assurance of all requisite approvals to be in place.



Celebrating **20** *years*



Key advantages that make a real impact

1

Fire-safety products tested, approved and certified by renowned labs and local civil defence authority

2

High quality in-house manufacturing ensuring consistency and timeliness with process automation

3

Saving time and hassle through understanding of region's building standards, local regulations and numerous specifications



High quality
delivered with
honesty and
integrity



Vision

To be recognized as a leading player within the HVAC industry having formidable presence across product categories.



Mission

Striving for superior quality and performance while manufacturing sustainable products. Associate with leading projects that are shaping the infrastructure landscape.



Core Attributes

- Striving for excellence
- Achieving technical superiority
- Commitment to customer satisfaction
- Conscious of environment and costs
- Investing in innovative methodologies

SINGLE DUCT AIR TERMINAL UNITS



ATU-PI 500
SINGLE DUCT AIR TERMINAL UNITS



SINGLE DUCT AIR TERMINAL UNITS

The single duct terminal units are at the core of today's variable air volume (VAV) systems. The staple of today's HVAC system designer, VAV systems lower operating costs by using less central fan energy and less refrigeration energy. VAV systems also have lower first costs by allowing the designer to take advantage of the building's diversity.

The primary function of the single duct terminal units is to regulate conditioned air flow into an occupied zone in response to a control signal.

Single duct terminal units are available with a wide range of control options to suit any application. These include pneumatic, analog electronic, electric, and direct digital control (DDC).

Single duct terminal units can be applied in both pressure-dependent and pressure-independent applications in duct systems with static pressures up to 3" wg.

With the demands of today's building designs to reduce energy in smaller mechanical spaces, the single duct terminal unit is the perfect choice.



ATU-PI 500 SINGLE DUCT AIR TERMINAL UNIT

SPECIFIABLE FEATURES

- 22 ga. galvanized steel casing, mechanically sealed, low leakage construction.
- Damper construction of double layer 18 gauge equivalent with integral blade seal.
- Spot welded round primary inlet duct to minimize leakage.
- Metal inlet flow sensor with extra balancing taps.



ATU-PI 500 SINGLE DUCT AIR TERMINAL UNIT

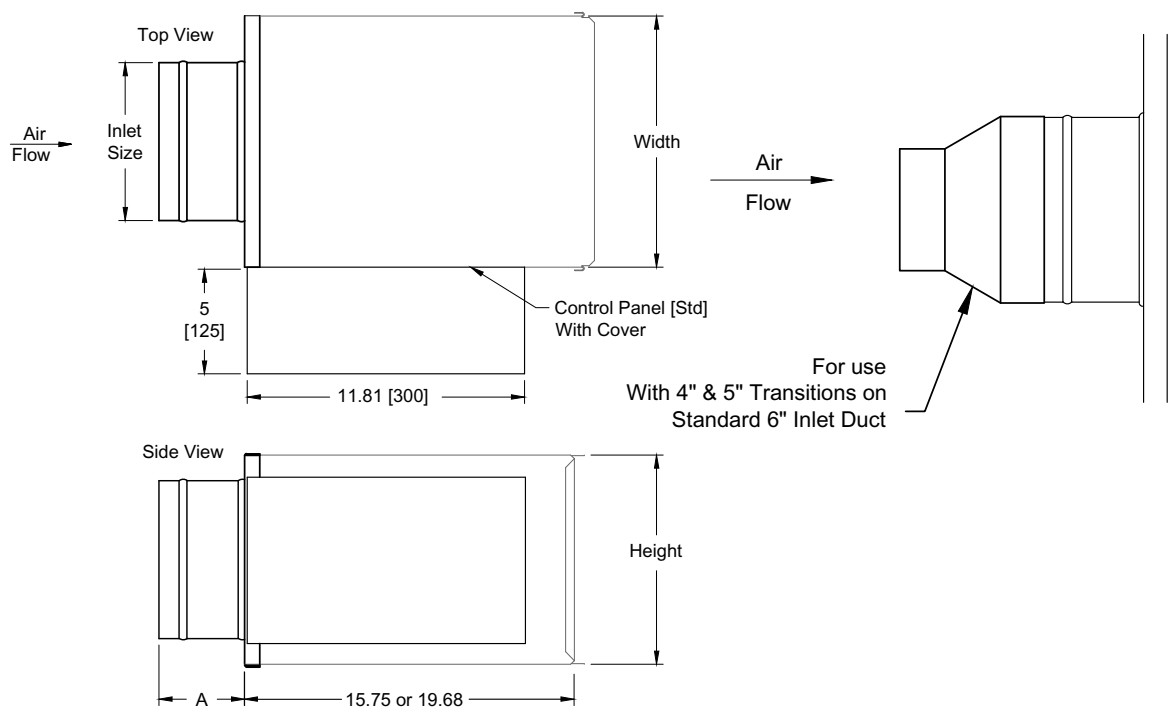
The ATU-PI 500 is the simplest and most widely used VAV terminal unit. Its basic components are an insulated sheet metal box, round inlet damper, flow measuring device and rectangular outlet. The unit is served by a central air handler and modulates the amount of 'primary' cooling air to the space between a minimum set point and the design airflow. When necessary, the ATU-PI 500 can be provided with a heating coil on the discharge of the unit to provide for reheat.

STANDARD FEATURES

- ATU-PI-500 available in 10 unit sizes to handle 75-4200 CFM.
- Variable or constant volume applications.
22 ga. galvanized steel casing, mechanically sealed for low leakage.
- Mechanically fastened damper assembly is double layer, 18 gauge equivalent, galvanized steel with integral blade seal. (<1% at 3.0" wg static pressure).
- Optional factory calibrated controls to meet all control strategies.
- Multi-point, averaging flow sensor for highly accurate (+/-5%) flow readings with varying inlet duct configurations after certified balancer has balanced terminal.
- Externally accessible steel balancing taps.
- External control cabinet with offset mounting plate is standard.
- 3-beaded inlet connection tube for added rigidity and secure flex duct connections.
1/2" thick, dual density (1.5lb / ft³ min.) fiberglass insulation with edges coated.
- Meets NFPA 90A and UL 181.
- Rectangular discharge with slip and drive cleat duct connection.
- Independently tested and certified laboratory performance data.
- Full range of options and accessories available (heating coils, disconnects, attenuators, etc.).
- Full range of liners / insulation available.

Single Duct Air Terminal Units

ATU-PI 500 SINGLE DUCT AIR TERMINAL UNIT, COOLING ONLY

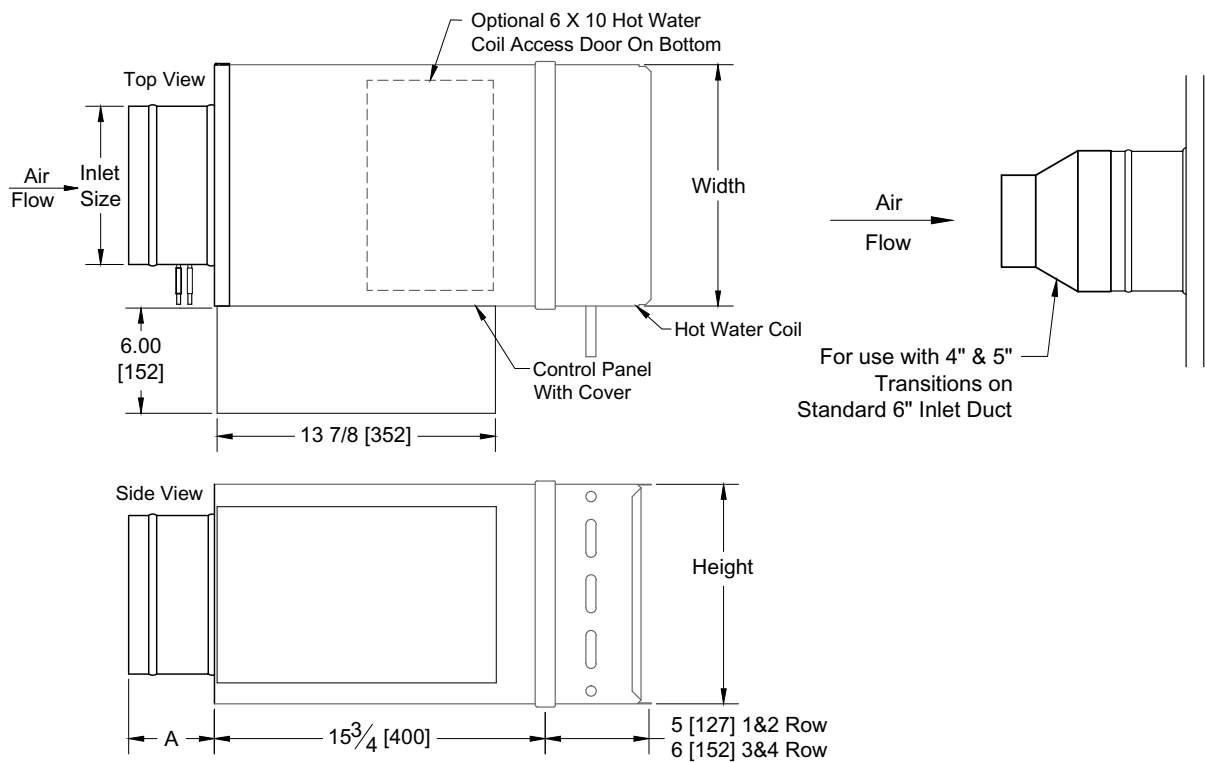


The standard location for control panel is Right Hand on Model ATU-PI 500.
Looking in the direction of airflow, the control panel is on the right.
The control panel will extend at the top and aligned at the bottom of VAV casing
Control Panel Mounting Surface width by height is 11.81" x 11.81".
Note: In above drawings S&C connections are shown (available upon request), standard supply is with plain casing at the outlet.

Model Number	Inlet Size		A		Width		Height		*Approx. Unit wt.	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb.	kg.
ATU-PI 504	3 7/8	99	10	254	12	305	8	203	13	6
ATU-PI 505	4 7/8	124	10	254	12	305	8	203	13	6
ATU-PI 506	5 7/8	149	5	127	12	305	8	203	12	5
ATU-PI 507	6 7/8	175	5	127	12	305	10	254	15	7
ATU-PI 508	7 7/8	200	5	127	12	305	10	254	15	7
ATU-PI 509	8 7/8	225	5	127	14	356	12 1/2	318	18	8
ATU-PI 510	9 7/8	251	5	127	14	356	12 1/2	318	18	8
ATU-PI 512	11 7/8	302	5	127	16	406	15	381	22	10
ATU-PI 514	13 7/8	353	5	127	20	508	17 1/2	445	24	11
ATU-PI 516	15 7/8	403	5	127	24	610	18	457	29	13

* For actual weights, please consult factory

ATU-PI 500
SINGLE DUCT AIR TERMINAL UNIT WITH HOT WATER COIL

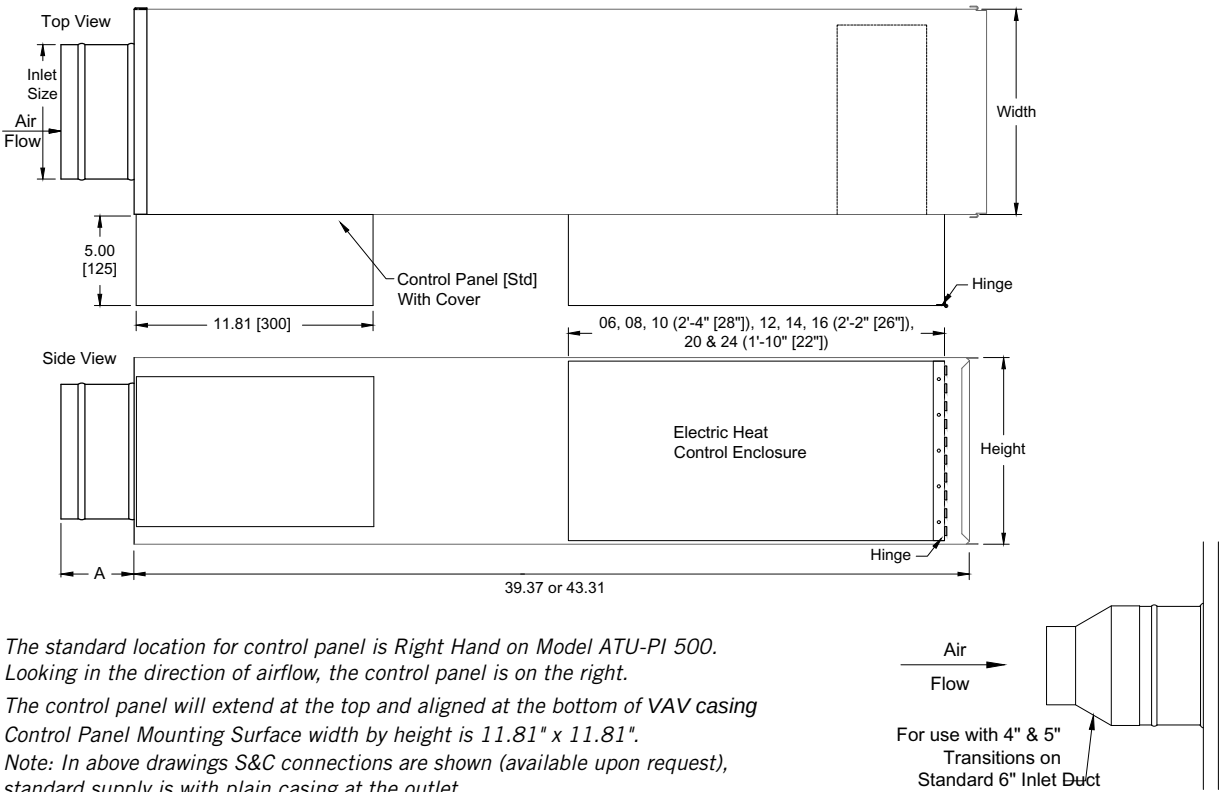


The standard location for control panel is Right Hand on Model ATU-PI 500.
Looking in the direction of airflow, the control panel is on the right.
The control panel will extend at the top and aligned at the bottom of VAV casing
Control Panel Mounting Surface width by height is 11.81" x 11.81".
Note: In above drawings S&C connections are shown (available upon request), standard supply is with plain casing at the outlet.

Model Number	Inlet Size		A		Width		Height		Unit wt.							
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	1 Row		2 Row		3 Row		4 Row	
									lb.	kg.	lb.	kg.	lb.	kg.	lb.	kg.
ATU-PI 504	3 7/8	99	10	254	12	305	8	203	17	7.7	18	8	24	11	23	10.4
ATU-PI 505	4 7/8	124	10	254	12	305	8	203	17	7.7	18	8	24	11	23	10.4
ATU-PI 506	5 7/8	149	5	127	12	305	8	203	17	7.7	18	8	24	11	23	10.4
ATU-PI 508	7 7/8	200	5	127	12	305	10	254	20	9	22	10	28	13	28	13
ATU-PI 510	9 7/8	251	5	127	14	356	12 1/2	318	24	11	27	12	34	15	38	17
ATU-PI 512	11 7/8	302	5	127	16	406	15	381	31	14	34	15.4	41	19	43	19.5
ATU-PI 514	13 7/8	353	5	127	20	508	17 1/2	445	34	15.4	39	17.7	47	21	53	24
ATU-PI 516	15 7/8	403	5	127	24	610	18	457	42	19	48	21.8	54	25	59	26.8

Single Duct Air Terminal Units

ATU-PI 500 SINGLE DUCT AIR TERMINAL UNIT WITH ELECTRIC HEAT



Model Number	Inlet Duct				Unit					
	Nominal Size		A		Width		Height		Unit wt.	
	in.	mm.	in.	mm.	in.	mm.	in.	mm.	lb.	kg.
ATU-PI 504	3 7/8	99	10	254	12	305	8	203	38	17
ATU-PI 505	4 7/8	124	10	254	12	305	8	203	38	17
ATU-PI 506	5 7/8	149	5	127	12	305	8	203	38	17
ATU-PI 508	7 7/8	200	5	127	12	305	10	254	43	20
ATU-PI 510	9 7/8	251	5	127	14	356	12 1/2	318	50	23
ATU-PI 512	11 7/8	302	5	127	16	406	15	381	59	27
ATU-PI 514	13 7/8	353	5	127	20	508	17 1/2	445	67	30
ATU-PI 516	15 7/8	403	5	127	24	610	18	457	77	35

Single Duct Air Terminal Units

ATU-PI 500

RADIATED SOUND POWER at ΔPS = 0.50, 1.00, 1.50, and 3.0 in. wg

Unit Size	Airflow		Min. Inlet ΔPs		ΔPs = 0.50 in. wg (125 Pa)							ΔPs = 1.00 in. wg (250 Pa)							ΔPs = 1.50 in. wg (375 Pa)							ΔPs = 3.0 in. wg (750 Pa)							
					Sound Power Octave Band Lw (dB)							NC	Sound Power Octave Band Lw (dB)							NC	Sound Power Octave Band Lw (dB)							NC	Sound Power Octave Band Lw (dB)				
	CFM	L/s	in. wg	Pa	2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	2	3	4		5	6	7	2	3
504 4 inch	50	24	0.010	2.5	49	40	27	27	23	15	<15	51	42	29	29	25	17	<15	52	43	30	30	26	19	<15	53	46	33	32	31	26	<15	
	100	47	0.020	5.0	51	42	31	30	27	21	<15	53	44	33	32	29	23	<15	54	45	34	32	30	25	<15	55	48	37	35	35	32	15	
	150	71	0.030	7.5	54	44	37	34	29	24	<15	56	48	39	36	31	26	16	56	49	40	36	32	28	16	58	52	43	39	37	35	20	
	200	94	0.040	10.0	57	49	43	37	31	26	18	59	51	45	39	33	28	20	60	52	46	40	34	30	21	61	55	49	42	39	37	23	
	250	118	0.060	14.9	59	51	47	40	36	34	21	61	53	49	42	38	36	23	62	54	50	42	39	38	24	63	57	53	45	44	45	28	
505 5 inch	150	71	0.030	7.5	54	46	37	34	29	24	<15	56	48	39	36	31	26	16	56	49	40	36	32	28	16	58	52	43	39	37	35	20	
	200	94	0.040	10.0	57	49	43	37	31	26	18	59	51	45	39	33	28	20	60	52	46	40	34	30	21	61	55	49	42	39	37	23	
	250	118	0.060	14.9	59	51	47	40	36	34	21	61	53	49	42	38	36	23	62	54	50	42	39	38	24	63	57	53	45	44	45	28	
	300	142	0.070	17.4	61	54	51	43	40	38	25	63	56	53	45	42	40	28	64	57	54	46	43	42	29	65	60	57	48	48	49	32	
	350	165	0.090	22.4	62	56	54	46	43	41	29	64	58	56	47	45	43	31	65	59	56	48	46	45	31	66	61	59	50	50	50	34	
506 6 inch	200	94	0.040	10.0	57	49	43	37	31	26	18	59	51	45	39	33	28	20	60	52	46	40	34	30	21	61	55	49	42	39	37	23	
	300	142	0.070	17.4	61	54	51	43	40	38	25	63	56	53	45	42	40	28	64	57	54	46	43	42	29	65	60	57	48	48	49	32	
	400	189	0.100	24.9	63	58	54	49	46	40	29	65	60	56	51	48	42	31	66	61	57	52	49	44	32	67	64	60	54	54	51	35	
	500	236	0.140	34.9	65	61	56	52	48	42	31	67	63	58	54	50	44	33	68	64	59	54	51	46	34	69	67	62	57	56	53	37	
	600	283	0.150	37.4	66	62	57	53	49	43	32	68	64	59	55	51	45	34	68	65	60	55	52	47	35	69	68	63	58	57	54	38	
507 7 inch	350	165	0.030	7.5	60	49	42	34	29	27	21	64	55	50	44	36	32	27	64	56	51	46	40	36	27	65	57	54	51	48	46	29	
	450	212	0.040	10.0	60	50	43	37	30	27	21	64	57	50	45	38	33	27	65	58	53	48	42	38	28	66	61	58	54	50	48	33	
	550	260	0.060	14.9	62	52	44	40	32	28	24	66	59	50	46	38	34	30	67	61	54	49	42	39	31	68	65	60	56	50	48	35	
	650	307	0.080	19.9	63	53	46	42	34	28	25	68	60	52	47	40	36	32	69	63	56	51	44	40	33	70	68	63	58	52	49	38	
	750	354	0.100	24.9	64	55	49	44	36	30	27	70	62	54	48	42	37	34	71	65	58	52	45	41	35	74	70	65	60	52	50	40	
508 8 inch	400	189	0.040	10.0	60	50	42	36	30	27	21	64	56	50	44	37	32	27	64	57	52	47	41	37	27	66	59	56	52	49	47	31	
	550	260	0.060	14.9	62	52	44	40	32	28	24	66	59	50	46	38	34	30	67	61	54	49	42	39	31	68	65	60	56	50	48	35	
	700	330	0.090	22.4	64	54	48	43	35	29	27	69	61	53	48	41	36	33	70	64	57	52	44	40	34	72	69	64	59	52	49	31	
	850	401	0.110	27.4	66	57	51	46	38	32	30	71	62	55	50	44	39	35	72	66	59	53	47	42	36	76	72	66	60	54	50	35	
	1000	472	0.130	32.4	68	60	54	50	42	35	32	73	65	58	53	47	41	38	74	68	61	56	50	44	39	78	74	68	62	55	50	39	
509 9 inch	500	236	0.010	2.5	54	53	42	36	33	29	21	59	58	52	42	38	32	27	63	59	53	46	42	37	28	67	60	55	52	49	48	31	
	700	330	0.010	2.5	56	55	46	40	35	30	23	60	60	54	46	40	34	30	64	62	57	49	44	39	32	70	67	61	55	52	49	37	
	900	425	0.020	5.0	56	56	49	43	36	31	24	62	62	56	48	42	35	32	66	65	59	51	46	41	35	72	72	66	58	54	52	43	
	1100	519	0.040	10.0	59	58	52	46	38	32	27	63	63	57	49	43	37	33	67	68	61	54	48	43	38	73	76	69	61	56	55	48	
	1300	614	0.060	14.9	62	62	55	49	40	34	32	66	64	58	50	44	38	34	70	69	62	55	49	45	39	76	78	70	63	58	57	50	
510 10 inch	700	330	0.010	2.5	56	55	46	40	35	30	23	60	60	54	46	40	34	30	64	62	57	49	44	39	32	70	67	61	55	52	49	37	
	900	425	0.020	5.0	56	56	49	43	36	31	24	62	62	56	48	42	35	32	66	65	59	51	46	41	35	72	72	66	58	54	52	43	
	1100	519	0.040	10.0	59	58	52	46	38	32	27	63	63	57	49	43	37	33	67	68	61	54	48	43	38	73	76	69	61	56	55	48	
	1300	614	0.060	14.9	62	62	55	49	40	34	32	66	64	58	50	44	38	34	70	69	62	55	49	45	39	76	78	70	63	58	57	50	
	1500	708	0.080	19.9	64	64	57	50	44	28	34	69	66	59	52	46	40	36	74	70	63	56	51	47	40	80	78	71	64	58	58	50	
512 12 inch	800	378	0.020	5.0	58	50	43	36	34	37	19	62	56	53	44	40	40	28	64	59	57	48	44	44	32	66	64	64	58	54	55	39	
	1200	566	0.040	10.0	59	54	49	42	37	38	23	64	59	57	47	43	42	32	66	63	61	52	47	46	36	70	70	70	62	56	56	46	
	1600	755	0.080	19.9	62	56	54	47	41	40	29	66	61	59	50	46	45	34	68	64	62	54	49	48	37	73	73	71	63	57	56	47	
	2000	944	0.120	29.9	63	59	58	50	45	44	33	67	62	60	52	49	47	35	70	66	64	56	52	50	39	74	75	72	64	58	57	48	
	2400	1133	0.170	42.3	65	60	54	46	46	44	30	70	65	63	55	52	50	38	72	69	67	59	55	53	43	77	75	74	67	61	59	50	
514 14 inch	1000	472	0.020	5.0	61	49	47	39	35	30	23	63	51	49	41	37	32	25	64	52	50	42	38	32	27	65	53	51	43	39	34	28	
	1600	755	0.050	12.5	64	54	52	43	39	34	27	66	56	54	45	41	36	30	66	56	54	46	42	36	30	68	58	56	47	43	38	32	
	2100	991	0.080	19.9	67	62	59	50	44	39	34	69	64	61	52	46	41	36	70	64	62	52	46	42	37	71	66	63	54	48	43	38	
	2600	1227	0.120	29.9	70	64	62	51	48	44	37	72	66	64	53	50	46	39	72	66	64	54	50	46	39	74	68	66	55				

Single Duct Air Terminal Units

ATU-PI 500

DISCHARGE SOUND POWER at ΔPS = 0.50, 1.0, 1.50, and 3.0 in. wg

Unit Size	Airflow		Min. Inlet ΔPs		ΔPs = 0.50 in. wg (125 Pa)							ΔPs = 1.00 in. wg (250 Pa)							ΔPs = 1.50 in. wg (375 Pa)							ΔPs = 3.0 in. wg (750 Pa)								
					Sound Power Octave Band Lw (dB)							NC	Sound Power Octave Band Lw (dB)							NC	Sound Power Octave Band Lw (dB)							NC	Sound Power Octave Band Lw (dB)					
	CFM	L/s	in. wg	Pa	2	3	4	5	6	7	2		3	4	5	6	7	2	3		4	5	6	7	2	3	4		5	6	7	2	3	4
504 4 inch	50	24	0.010	2.5	63	51	43	39	33	26	18	64	59	54	51	43	35	19	65	60	55	52	44	36	20	68	63	56	55	47	39	24		
	100	47	0.020	5.0	64	53	43	38	34	30	19	65	60	56	51	44	38	20	66	61	57	52	45	39	21	69	64	58	55	48	42	25		
	150	71	0.030	7.5	65	55	46	41	36	31	20	66	61	57	52	46	40	21	67	62	58	53	47	41	23	70	65	59	56	50	44	27		
	200	94	0.040	10.0	66	56	49	44	38	32	21	67	62	57	53	48	41	23	68	63	58	54	49	42	24	71	66	59	57	52	45	28		
	250	118	0.060	14.9	67	58	51	46	40	36	23	68	63	59	53	49	44	24	69	64	60	54	50	45	25	72	67	63	57	53	48	30		
505 5 inch	150	71	0.030	7.5	65	55	46	41	36	31	20	66	61	57	52	46	40	21	67	62	58	53	47	41	23	70	65	59	56	50	44	27		
	200	94	0.040	10.0	66	56	49	44	38	32	21	67	62	57	53	48	41	23	68	63	58	54	49	42	24	71	66	59	57	52	45	28		
	250	118	0.060	14.9	67	58	51	46	40	36	23	68	63	59	53	49	44	24	69	64	60	54	50	45	25	72	67	63	57	53	48	30		
	300	142	0.070	17.4	68	60	55	49	42	38	20	68	65	61	54	50	47	23	69	66	62	55	51	48	24	72	69	65	58	54	51	28		
	350	165	0.090	22.4	67	61	56	50	44	41	19	67	65	62	54	51	48	23	68	66	62	55	52	49	24	71	68	65	57	54	52	27		
506 6 inch	200	94	0.040	10.0	66	56	49	44	38	32	21	67	62	57	53	48	41	23	68	63	58	54	49	42	24	71	66	59	57	52	45	28		
	300	142	0.070	17.4	68	60	55	49	42	38	20	68	65	61	54	50	47	23	69	66	62	55	51	48	25	72	69	65	58	54	51	28		
	400	189	0.100	24.9	69	64	59	53	46	44	22	69	66	62	55	51	51	24	70	67	63	56	52	52	25	73	71	66	59	55	55	31		
	500	236	0.140	34.9	72	68	63	58	52	49	27	72	70	66	60	56	54	30	73	71	67	61	57	55	31	76	74	70	64	60	58	34		
	600	283	0.150	37.4	72	70	64	60	54	51	30	72	71	67	62	58	54	31	74	72	68	63	58	56	32	76	75	71	66	61	58	35		
507 7 inch	350	165	0.030	7.5	69	62	53	48	43	38	21	73	69	62	58	54	50	28	73	69	62	58	54	52	28	74	70	62	62	58	56	30		
	450	212	0.040	10.0	70	64	55	51	44	40	23	75	70	64	59	55	50	30	75	70	64	60	56	54	30	76	72	64	62	58	58	32		
	550	260	0.060	14.9	72	66	57	54	46	42	25	76	72	64	61	56	52	32	77	72	64	61	57	54	32	78	73	64	64	60	59	33		
	650	307	0.080	19.9	74	68	59	56	48	44	28	78	74	66	63	58	53	34	78	74	66	63	59	56	34	80	76	66	65	62	60	36		
	750	354	0.100	24.9	76	70	61	59	50	46	28	79	74	68	64	58	54	33	80	76	68	65	60	57	35	82	78	68	67	64	62	37		
508 8 inch	400	189	0.040	10.0	70	63	54	50	44	39	23	74	70	63	58	54	50	30	74	70	63	59	55	53	30	75	71	63	62	58	57	31		
	550	260	0.060	14.9	72	66	57	54	46	42	25	76	72	64	61	56	52	32	77	72	64	61	57	54	32	78	73	64	64	60	59	33		
	700	330	0.090	22.4	75	69	60	58	49	44	30	78	74	67	64	58	54	34	79	75	67	64	60	56	35	81	77	68	66	63	61	37		
	850	401	0.110	27.4	77	71	63	61	52	48	30	81	76	69	66	60	55	35	82	77	69	67	62	59	36	84	79	70	70	66	64	38		
	1000	472	0.130	32.4	79	74	66	64	56	51	33	83	78	71	69	62	57	37	84	79	72	70	64	60	38	86	81	73	74	69	66	40		
509 9 inch	500	236	0.010	2.5	64	62	52	49	40	38	20	69	68	60	57	52	48	27	70	68	62	58	53	50	27	72	70	64	62	58	56	30		
	700	330	0.010	2.5	68	64	56	52	44	42	22	72	70	63	59	54	51	30	73	71	65	60	55	53	31	75	73	68	64	60	57	33		
	900	425	0.020	5.0	70	66	58	54	45	44	23	74	72	65	61	57	54	31	75	72	66	62	58	55	31	77	74	70	65	61	58	33		
	1100	519	0.040	10.0	72	68	61	57	49	47	25	76	73	67	62	59	56	32	76	74	68	63	60	56	33	78	76	72	66	63	59	35		
	1300	614	0.060	14.9	74	72	64	61	54	52	31	78	76	70	66	60	58	35	79	76	71	66	62	58	35	82	78	74	68	66	63	37		
510 10 inch	700	330	0.010	2.5	68	64	56	52	44	42	22	72	70	63	59	54	51	30	73	71	65	60	55	53	31	75	73	68	64	60	57	33		
	900	425	0.020	5.0	70	66	58	54	45	44	23	74	72	65	61	57	54	31	75	72	66	62	58	55	31	77	74	70	65	61	58	33		
	1100	519	0.040	10.0	72	68	61	57	49	47	25	76	73	67	62	59	56	32	76	74	68	63	60	56	33	78	76	72	66	63	59	35		
	1300	614	0.060	14.9	74	72	64	61	54	52	31	78	76	70	66	60	58	35	79	76	71	66	62	58	35	82	78	74	68	66	63	37		
	1500	708	0.080	19.9	77	75	66	64	58	56	34	81	79	72	70	64	60	38	81	79	72	70	64	61	38	84	82	76	72	68	65	42		
512 12 inch	800	378	0.020	5.0	61	59	56	54	50	44	15	66	63	58	57	55	52	20	67	63	58	58	55	53	20	70	65	59	60	57	56	22		
	1200	566	0.040	10.0	64	62	61	57	52	47	19	68	67	63	60	58	55	24	69	68	62	60	59	56	25	72	70	64	63	62	60	28		
	1600	755	0.080	19.9	66	64	63	59	55	50	21	71	70	66	63	62	59	28	72	71	66	64	63	60	30	75	74	69	67	66	64	33		
	2000	944	0.120	29.9	68	65	63	60	56	52	22	74	72	68	66	65	63	31	76	74	70	68	67	66	33	80	78	73	72	71	70	37		
	2400	1133	0.170	42.3	69	66	65	61	57	53	23	76	74	70	68	67	65	33	78	76	71	70	69	67	35	82	80	75	74	74	72	39		
514 14 inch	1000	472	0.020	5.0	50	43	43	41	35	28	<15	61	56	55	55	52	47	<15	65	60	59	60	57	52	16	72	68	66	67	65	61	25		
	1600	755	0.050	12.5	53	47	47	46	41	36	<15	64	59	58	59	56	52	16	68	63	62	63	60	57	21	74	70	69	70	68	65	28		
	2100	991	0.080	19.9	57	52	53	52	48	45	<15	66	61	61	62	61	58	22	69	64	64	66	65	62	26	75	71	70	72	72	69	32		
	2600	1227	0.120	29.9	62	56	56	55	52																									

ATU-PI 500

CASING LEAKAGE

Casing Leakage, CFM						
Inlet Size	0.25" ΔPs	0.50" ΔPs	1.00" ΔPs	1.50" ΔPs	2.0" ΔPs	3.0" ΔPs
6	4	5	6	7	8	9
8	4	5	7	8	8	10
10	5	6	8	10	11	12
12	5	7	9	11	12	14
14	6	8	11	13	14	17
16	7	9	12	14	16	19

ATU-PI 500

DAMPER LEAKAGE

Damper Leakage, CFM			
Inlet Size	1.5" ΔPs	3.0" ΔPs	6.0" ΔPs
6	5	6	9
8	5	6	9
10	6	7	9
12	6	7	9
14	6	8	10
16	6	8	10

Projects References



Bvlgari Hotel and Residences



Four Seasons Hotel



Louvre Museum



Sheikh Zayed Grand Mosque
Visitors Centre & Plaza

Projects References



Product Range

- ▶ Fire-Resisting Ductwork (BS & EN)
- ▶ Fire-rated Insulation (ASTM & UL)
- ▶ Sound Attenuators (ASTM & BS)
- ▶ VAV Boxes (AHRI)
- ▶ Life Safety Dampers (UL)
- ▶ Control Dampers (AMCA & BS)
- ▶ Access Doors (BS & EN)
- ▶ Louvers (AMCA)
- ▶ Smoke Exhaust, Building, Car Park & Tunnel Ventilation Fans (AMCA & EN)
- ▶ Domestic and Industrial Ventilation Fans
- ▶ AHU, FAHU, FCU, RTU, ERV & Ecology Units (Eurovent, TUV & AHRI)
- ▶ Electrostatic Precipitators (ESPs) & UL Listed Air Filters (UL)

Our Brands



Control Dampers, Louvers,
Sound Attenuators & VAV Boxes



Non-Coated Fire-Resisting Ductwork
& Life Safety Dampers



Fire-rated Insulation

Building & Industry



Smoke Exhaust, Car Park &
Tunnel Ventilation



General Ventilation



Global Clean Air
Solutions Provider

Central Ventilation System Co. L.L.C

Al Wasit Street,
Industrial Area 2,
Sharjah, U.A.E

CVS Arabia L.L.C

2nd Industrial City,
Dammam 31952,
K.S.A

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