

**ADHUNIK**

**POWVERTECH<sup>®</sup>**

**QUALITY THAT SPEAKS**



**HVAC SOLUTION UNDER ONE ROOF**

**Toll Free No: 8287-885-885**

## WHO ARE WE?

Adhunik Powertech Limited is a brand in the market of HVAC Systems that goes hand in hand with technology to provide services like heating, ventilation, air conditioning, and refrigeration.

The company was established in the year 2005, presently it has its own corporate office in DLF Corporate Greens, Sector-74a, Gurgaon (Haryana), Manufacturing Unit in Plot no. 98 Sec-9 IMT Bawal Distt. Rewari (Haryana) and in house R & D centre.

Adhunik Powertech Limited is a manufacturer of air cooling & air conditioning products, which is available in the market with the brand Adhunik Powertech.

We offer a wide range of Air Cooling products like Ducted & Non Ducted industrial Air Cooler, Air Washer Unit, Ventilation Fans etc., Air Conditioning products like- Panel Air Conditioner, Oil Chiller, Water Chiller etc. and Clean Room Products like Air Handling Unit (AHU), Air Shower, Pass Box etc.

## WHY ADHUNIK POWERTECH'S PRODUCTS

- Manufacturer of India's first stainless steel (304 grade) air washer & ducted air cooler.
- Wide range of products from budget friendly to premium one.
- Our products are cost effective & energy saving.
- Our products are Eco Friendly as they provide fresh outside air without harming the environment.
- Standard 1 year warranty with 10 year spare parts supports.
- Our products are made in India with best quality.
- Our products are available all over the India and we export too.

## OUR CERTIFICATION



## EXPORTED TO



Bangladesh



UAE



Saudi Arabia



Iraq

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# AIR WASHERS



**HAILSTORM**



**STORM**

## PRODUCT FEATURES

- India's first stainless steel (304 grade) air washer with 80% extra cooling pad and filter, model Hailstorm
- Model Storm, made of Galvanized steel. Its Entire floor area made with SS 304 with 20% extra cooling pad and filter
- Base frame having C channel with thickness of 3 mm to 5 mm
- Its has an induction motor which is the TEFC Squirrel cage type and functions for 50/60 cycle, 415+10% volts with AC Supply in 3 phase or 1 phase
- Water pump are made of SS 304 which are reliable & durable
- All spare parts have rust free anti corrosion coating
- Customization Available

**Note:** Technical specifications of each air washer depends on customization & requirements

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# MODULAR AIR WASHER WITH EC FAN



**EC PLUG AWU-10000**



**EC PLUG AWU-20000**

-  Energy Efficient EC Plug Fan
-  Advanced Air Purification
-  Sleek and Space-Saving Design
-  Low noise level & aesthetically appealing
-  Rust free stainless steel tank with larger capacity
-  Designed for a 24-hour working
-  Low maintenance and recover your investment in few months

## TECHNICAL SPECIFICATION

Model	EC PLUG AWU-10000	EC PLUG AWU-20000
Body Material	S.S 304 (1.2mm) / Galvanized Iron	S.S 304 (1.2mm) / Galvanized Iron
Fan Discharge	Top Discharge	Top Discharge
Air Volume	10000 CFM	20000 CFM
Dimension in mm (LxWxH)	1100x1100x1970 mm	1900x1100x2710 mm
Static Pressure	40 MMWG	40 MMWG
Fan Type	EC Plug Fan (1 Nos.)	EC Plug Fan (2 Nos.)
Cellulose Pad (Fill Area)	L 600 X H 775 X W 200mm (4 Nos.)	L 600 X H 1500 X W 200mm (6 Nos.)
Pre Filter (A)	L 610 X H 760 X W 50mm (4 Nos.)	L 610 X H 760 X W 50mm (12 Nos.)
Fan RPM	1750 RPM	1750 RPM
Water Tank Unit Base	18G SS-304 STAINLESS STEEL	18G SS-304 STAINLESS STEEL
Water Pump Power	100 WATT (1 Nos.)	100 WATT (2 Nos.)
Tank Capacity	150 Ltr	300 Ltr
Weight	140 Kg	240 Kg

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# DUCTED COOLERS



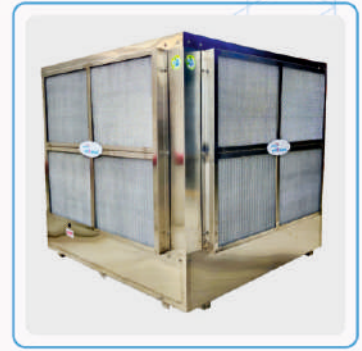
**AIROSTA**



**AIROSTA PLUS**



**CYCLONE**



**CYCLONE PLUS**

- High air flow and long distance air delivery
- Washable Type Pre-Filter having efficiency 90% down to 10 micron.
- Four Side Honeycomb / CELdek pads with 100-200mm Thickness
- Axial flow fan of 30 inches diameter along with 9 blades
- Rust free stainless steel tank with larger capacity
- 100% copper wound electric motor with three phase
- Saves energy and recover your investment in few months

## TECHNICAL SPECIFICATION OF DUCTED AIR COOLERS

Description	Airosta	Airosta Plus	Cyclone	Cyclone Plus
Air Volume	40000 CMH	40000 CMH	40000 CMH	40000 CMH
Air Discharge	Top/Bottom Discharge	Top/Bottom Discharge	Top/Bottom Discharge	Top/Bottom Discharge
Motor Power	4 kw	4 kw	4 kw	4 kw
Power Supply	380 v	380 v	380 v	380 v
Wind Pressure	250~280 pa	250~280 pa	250~280 pa	250~280 pa
Outlet Size	900x900 mm	900x900 mm	900x900 mm	1050x1050 mm
Filter	NA	NA	16 no.	16 no.
Pad Surface Area	40 sq.ft.	40 sq.ft.	50 sq.ft.	50 sq.ft.
Noise	<=82 DB	<=82 DB	<=82 DB	<=82 DB
Tank Capacity	180 Ltr	180 Ltr	180 Ltr	500 Ltr
Water Pump Power	100 watts	100 watts	100 watts	70x2 watts
Cooling Effect	3~18°C	3~18°C	3~20°C	3~20°C
Water Inlet	Mechanical	Mechanical	Mechanical	Mechanical
Fan Type	Axial	Axial	Axial	Axial
Weight	135 Kg	165 Kg	175 Kg	200 Kg
Dimension(LxWxH)	1420x1420x1320mm	1215x1215x1210mm	1430x1430x1535mm	1640x1640x1530mm
CELdek Pad	100 mm (Flute size 5mm)	100 mm (Flute size 5mm)	100 mm (Flute size 5mm)	200 mm (Flute size 7mm)
Body Material	Fibre Re-inforced Plastic	Galvanized Iron & SS 304 (Tank)	Stainless Steel 304	Stainless Steel 304

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# NON DUCTED AIR COOLERS



**ALASKA**



**ALASKA MINI**



**SUPER ALASKA**



**THUNDER MINI**



**THUNDER**

-  3 to 5 blades fans with 24 & 30 inches diameter respectively
-  Auto Drain
-  High quality wheels with MS material stand
-  Zinc plated heavy grill
-  High Quality Honeycomb Pads
-  150 to 250 Ltr water tank

## TECHNICAL SPECIFICATION OF NON DUCTED AIR COOLERS

Parameters	Specification	Specification	Specification	Specification	Specification
<b>Brand</b>	Adhunik Powertech	Adhunik Powertech	Adhunik Powertech	Adhunik Powertech	Adhunik Powertech
<b>Product Name</b>	Alaska	Alaska Mini	Alaska Super	Thunder Mini	Thunder
<b>Air Flow</b>	18000 CMH	14000 CMH	22000 CMH	15000 CMH	19000 CMH
<b>Dimensions in MM (LxWxH)</b>	1143x609x1752	1003x614x1615	1120xx690x1620	1181x596x1587	1404x660x1684
<b>Fan</b>	Axial	Axial	Axial	Axial	Axial
<b>Fan Blades</b>	3	4	5	4	3
<b>Fan Diameter</b>	30 inches	24 inches	30 inches	24 inches	30 inches
<b>Material</b>	PP	PP	PP	PP	PP
<b>Motor Power</b>	600 Watt	490 Watt	750 Watts	490 Watt	600 watt
<b>Pad Size (mm)</b>	L 1195 x H 1105	L 1280 x H 1000	L 1105 x H 1105	L 1075 x H 1055	L 1155 x H 1285
<b>Pad Thickness</b>	100 mm	100 mm	100 mm	100 mm	100 mm
<b>Usage</b>	Industrial/ Commercial	Industrial/ Commercial	Industrial/ Commercial	Industrial/ Commercial	Industrial/ Commercial
<b>Water Tank Cap.</b>	150 Ltr	150 Ltr	150 Ltr	150 Ltr	250 Ltr
<b>Product Weight</b>	52 Kg.	43 Kg.	61 Kg.	57 Kg.	61 Kg.

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# VENTILATION FANS



**AXIAL FLOW FAN**



**EXHAUST FAN (PP)**



**EXHAUST FAN (SS)**

## AXIAL FLOW FAN

- Suitable for basement ventilation, Big Kitchens Ventilation, Fresh air supply
- Certified for 250°C up to two hours operation
- High performance Kirloskar / ABB IE-2 Motor
- Statically & Dynamically balanced with 8 number of fan blade
- Inbuilt bird screen & foot mounting

## EXHAUST FAN

- High air flow, low noise, low energy consumption, durable which results to a stable operation
- Suitable for industries where continues welding work done and where high fumes, excessive heat, smoke etc. produce

## AXIAL FLOW FANS

Fan Diameter	450 to 1600 mm
Volume	3000 to 50000
Static Pressure (mmWG)	Up to 40
Fan Casing Material	Cold rolled steel
Impeller Material	Aluminium
Surface Finish	Painted
Mounting	Suitable for wall, roof, Vertical and Horizontal
Bearing	Ball bearing
Blade Sweep	900mm diameter
Motor (HP)	Upto 20
Fan Speed (RMP)	960 to 1440
Warranty	12 months

## EXHAUST FANS

Model No.	Exhaust-PP	Exhaust-SS
Air Volume (M3/H)	32000	30000
Related Voltage	380V	380V
Power (KW)	0.75	0.55
Dimension (mm)	1060X1060X550	1100x1100x400
Diameter	900	950
Blades	6	6
Material	Poly-Propylene	Stainless Steel
Speed (RPM)	460	460
Noise (DBA)	<= 48	<= 50
Net Weight (KG)	35	40
Warranty	12 months	12 months

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# CHILLER (OIL / WATER / COOLANT)



**OIL CHILLER**



**WATER CHILLER**



**COOLANT CHILLER**

- Oil Temperature can be maintained between 25°C to 35°C
- It is used to cool Coolant oil, Hydraulic oil, Spindle oil, Cutting oil
- PHE's are around 10 times compact and massive space saving
- The plate design facilitates turbulent flow for optimum heat exchange
- Microprocessor based digital display controller which is easy to operate
- Highly efficient compressor & pump for smooth & continuous operation

## TECHNICAL SPECIFICATION OF CHILLERS

Model No.	Cooling Capacity (Kcal/hr)	W	D	H	Refrigerant	Power	Pump LPM	No. of Refrigerant Circuit
<b>AOC-407-20C+T</b>	2000	600	600	1100	R-407c/R-410a	415V,50Hz, 3PH	10	1
<b>AOC-407-30C+T</b>	3000	600	600	1100	R-407c/R-410a	415V,50Hz, 3PH	15	1
<b>AOC-407-45C+T</b>	4500	750	750	1100	R-407c/R-410a	415V,50Hz, 3PH	20	1
<b>AOC-407-60C+T</b>	6000	750	750	1100	R-407c/R-410a	415V,50Hz, 3PH	30	1
<b>AOC-407-75C+T</b>	7500	750	750	1100	R-407c/R-410a	415V,50Hz, 3PH	40	1

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# PANEL AIR CONDITIONERS



**TOP MOUNT**



**WALL MOUNT**



**STAND ALONE UNIT**



**WATER COOLED UNIT**

## FEATURES OF PANEL AIR CONDITIONING

- ➔ Wide range of products starts from 250 watt to 7000 watts
- ➔ Using eco friendly refrigerant R-134a
- ➔ Hermetic sealed reciprocating compressor with make of Emerson/ Danfoss/Tecumseh
- ➔ Designed for 24 hours working
- ➔ Low noise level & aesthetically appealing
- ➔ Compact design which saves huge space
- ➔ MS powder coated body and SS 304 also available as per requirement
- ➔ Energy saving Microprocessor based controller which is easy to operate

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# TECHNICAL SPECIFICATION OF PANEL AIR CONDITIONER

## WALL MOUNT

Capacity in Watt		250 Watt	500 Watt	1000 Watt	1500 Watt	2000 Watt	2500 Watt	3000 Watt	3500 Watt	5000 Watt	7000 Watt
Model No.	UNITS	WMS -025	WMS -005	WMS -0010	WMS -0015	WMS -0020	WMS -0025	WMS -0030	WMS -0035	WMS -0050	WMS -0070
Cooling Capacity	BTU	853	1706	3412	5119	6824	8525	10352	11945	17064	24000
Dimension in mm	H	570	570	780	780	1220	1220	1200	1200	1500	1500
	D	285	285	285	285	257	257	275	275	545	545
	W	285	285	307	307	400	400	400	400	425	425
Power Input	Watts/Amp.	475/2.2	689/3.2	754/3.5	906/4.2	1010/4.4	1290/5.8	1405/6.5	1470/6.8	2115/9.2	2594/12
Air-Flow	CMH	85	85	314	314	320	485	680	731	1076	1326
Gross Weight	KG.	25	25	32	34	52	55	52	54	100	105

## TOP MOUNT

Capacity in Watt		250 Watt	500 Watt	1000 Watt	1500 Watt
Model No.	UNITS	TMT - 025	TMT - 005	TMT - 0010	TMT - 0015
Cooling Capacity	BTU	853	1707	3413	5120
Dimension in mm	H	555	555	345	345
	D	438	438	395	395
	W	465	465	655	655
Power Input	Watts/Amp.	475/2.2	689/3.2	754/3.5	906/4.2
Air-Flow	CMH	68	68	221	221
Gross Weight	KG.	26	28	39	43

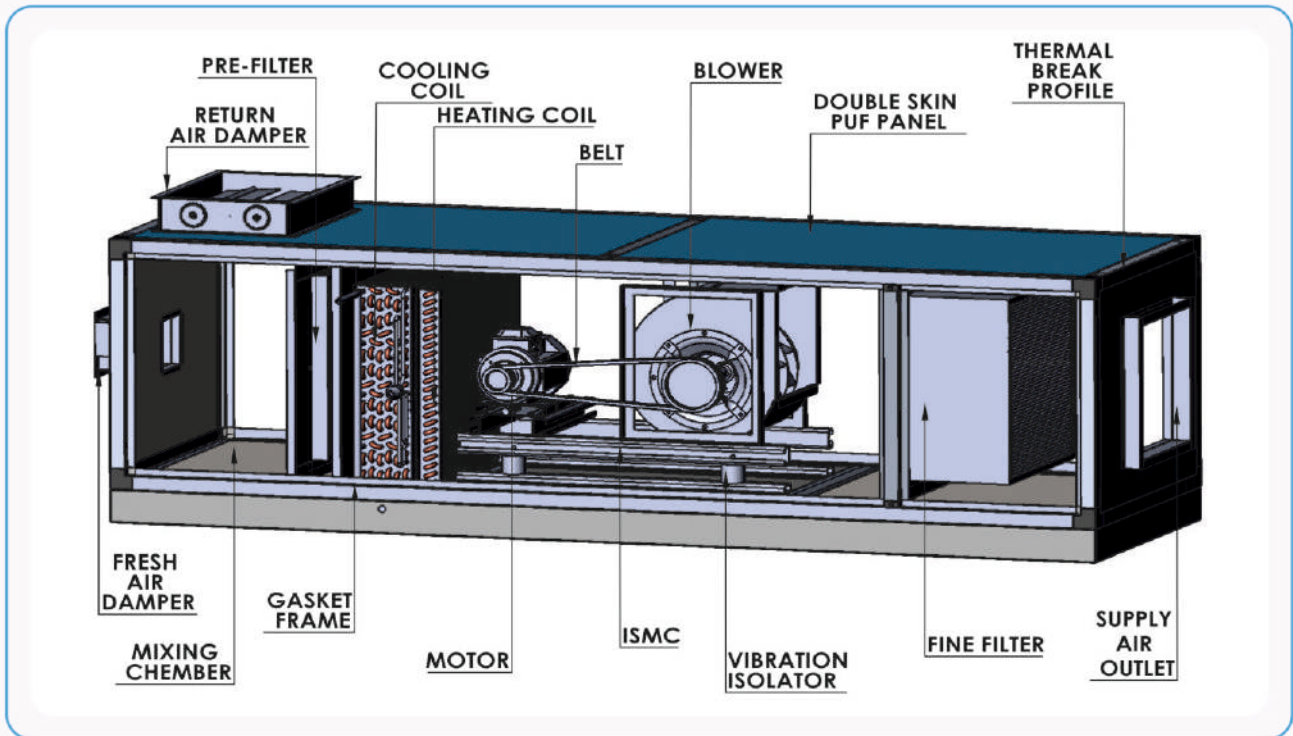
## STAND ALONE

Capacity in Watt	Parameters	1000 Watt	1500 Watt	3000 Watt	5000 Watt	7000 Watt
Model No.	UNITS	SA - 010	SA - 015	SA- 0030	SA - 0050	SA - 070
Cooling Capacity	BTU	3413	5121	10230	17064	24000
Dimension in mm	H	710	710	1150	1150	1500
	D	390	390	550	550	545
	W	420	420	550	550	425
Power Input	Watts/Amp.	454/3.5	906/4.2	1729/6.5	2053/9.5	2594/12
Air-Flow	CMH	221	221	714	883	1326
Gross Weight	KG.	38	42	72	82	105

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# AIR HANDLING UNIT

## AIR CONDITIONING & CLEAN ROOM JOBS



## PRODUCT FEATURES

- ➔ Wide range of products (Double Skin Comfort & Clean Room Air Handling Unit) Starts from capacity 500CFM to 50000 CFM.
- ➔ MS powder coated body and SS-304 also available as per requirement.
- ➔ All Spare parts have rust free anti corrosion coating.
- ➔ Maximum energy efficiency and indoor air quality.
- ➔ Wide range of functions and options.
- ➔ High quality components.
- ➔ Light-weighted, good-looking appearance, and compact and solid structure.
- ➔ Operation efficiency and energy savings.
- ➔ Outstanding reliability and performance.
- ➔ Low-noise motor for driving the low-speed fan with a wide impeller; strictly tested before delivery.
- ➔ Customization Available.

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# AIR SHOWER & PASS BOX



- ➔ Adhunik Powertech's air shower and pass box is a space that uses high-velocity jets, much like a fume hood, to eliminate contaminants from anyone entering or exiting a cleanroom.
- ➔ These air showers and pass boxes connect to a HEPA filtration system for maximum efficiency. Absolute filter-fan module provide positive pressurization and filtration down to 99.97% efficiency on 0.3 micron.
- ➔ These air showers and pass boxes comes with standard door interlocking system and customization can be done as per requirement.
- ➔ These air showers and pass boxes are availble in SS 304 and Powder Coated GI material.
- ➔ Customization available for Pass Box.

## TECHNICAL SPECIFICATION OF AIR SHOWER UNIT

Basic Information	AIR SHOWER	
Dimension in mm	W	1480
	D	1500
	H	2145
Number of Nozzels		15 Nos.
Fluorescent Lamp		01 Nos.
Material of Construction	Stainless Steel 304 Grade / Powder Coated GI	
Maximum Power	3.0 Amp.	
Electrical Motor	IE2 / IE3 / Flame Proof.	
Motor	2Hp / 3Hp	
Entry	Human Only / Human & Trolley Movement / Material Movement	
Number of Users / Cycle	01/02/03/04/05.....100	
Flooring	Required / Not Required	
Application	Pharmacy / Auto / Electronics / Others (Specify)	
Power Input	440v / 50Hz.	
Customization Available	YES	

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# PROUDLY SERVED TO

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# ADHUNIK POWERTECH<sup>®</sup>

QUALITY THAT SPEAKS



**CORPORATE OFFICE**  
DLF CORPORATE GREEN (GURGAON)



**MANUFACTURING PLANT**  
BAWAL (HARYANA)

REACH OUT TO US

## ADHUNIK COOLING SYSTEM PVT. LTD.

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