

COMPREHENSIVE AIR HANDLING

DIXTONAIR

WE BRING AIR TO LIFE

DIXTONAIR

AHUS & Air Distribution Products



DIXTONAIR Horizontal Type(Air Handling Unit)

CAPACITY RANGE:1000 CFM to 80000 CFM

APPLICATIONS: Comfort Air Conditioning-For Schools, Studio,Airports, Laboratories,Multiplexes,Offices, Institution Buildings, and Hotels.

OPTIONS:

- .Single/Double Tier Construction.
- .Thermal break profile with 25/43mm panel thickness.
- .Filter section for Merv-8, Merv-13, in Rigid/Bag construction.
- . Heat recovery Wheel/Heat Pipe.
- .Humidification, Pre Heat Package.
- .Mixing Box With Fresh/Return Air Dampers



DIXTONAIR TFA (Special Air Treatment Unit)

CAPACITY RANGE:1000 CFM to 50000 CFM

APPLICATIONS: Comfort,Clean Room,IAQ, and Energy Recovery.For Operation Theater/ICU/ICCU, Pharma, Laboratories

OPTIONS:

- .Single/Double Tier Construction.
- .Thermal Break Profile with 25/43mm Panel thickness.
- .Filter section for Merv-8 &13 Carbon Filter in Rigid Bag construction.
- .Heat recovery Wheel/Heat Pipe.
- .Humidification,Pre Heat Package.
- .Backward curved blower.
- .Plenum Fan.
- .Motorized supply/Return/Exhaust/Bypass/Fresh air Dampers.



DIXTONAIR Fan Coil Unit

CAPACITY RANGE: 400 CFM(1TR) to 1200 CFM(3TR).

FEATURES: Casing made out of Pre coated / Galvanized Sandwich insulated drain pan with expanded polystyrene.

TYPES: Chilled water, Direct Expansion.

Vibration free, noise less, single phase direct Driven motor with

OPTIONS: Ceiling /Wall mounted, Three-way Mixing / diverting Valves. Ball Valve set.

APPLICATION: Hotels, Hospitals, Malls, Pharmaceuticals



DIXTONAIR Ceiling Suspended Type(Air Handling Unit)

CAPACITY RANGE: 800 CFM upto 10000 CFM

TYPES: Belt type, Direct driven

APPLICATIONS: Comfort Air conditioning For Shopping Malls, Multiplexes, and Small offices

FEATURES: Compact , low height, single/twin centrifugal fan.

OPTIONS: Direct driven / belt driven options.

. Units available in Double / Single skin / Single Phase Motors



DIXTONAIR Vertical Type(Air Handling Unit)

CAPACITY RANGE: 800 CFM upto 12000 CFM

APPLICATIONS: Comfort Air-conditioning-For Shopping Malls, Multiplexes, and small offices,Hotels.

FEATURES: Customized Units available upto 18000 CFM.

OPTIONS: Belt Driven units available in Double / Single skin.

. Compact , Space saving with single /multi Centrifugal fan.



DIXTONAIR Fresh Air & Exhaust Air

· Capacity - 1000 CFM upto 10000 CFM

· Types - Ceiling Type, Floor mounted

· Applications - Hospital,Hotel,Colleges

· Features - Available with Pre-filters.

· Options - Cowl, Fine Filters, Hepa Filters



DIXTONAIR Coils - CHW/DX

Available: 1/2" & 3/8" thickness for the commercial and industrial

· These coils are available 2 row - 12 row deep.

FEATURES: Aluminium foils with or without hydrophilic coating.

· End Plate Stainless steel, GI

TYPES: Direct Expansion, Chilled Water, Heating



DIXTONAIR Filters

HEPA filters are 99.9% Efficient at 0.3 micron which enables better than class 100 conditions. These filters can be directly installed in AHUs or mounted in banks in separate single skin plenums. Following are the construction Features of our range:

- . Filter media micro fiber glass
- . Frame material aluminium/GI/SS/MS
- . Frame type box/flange/channel.

FINE FILTER are widely used in pharmaceutical, clean room, semi-conductor, biotechnology, photo film, optical, precision mechanical Critical, O.T, defense, air handling units and air conditioning etc as secondary or final filter. These filters are resistant to chemicals & organic solvents. Following are the construction features of our range:

- . Filter media synthetic non woven deep pleated and panel type.
- . Media support aluminium and HDPE wire mesh.
- . Efficiency 90% down to 0.5u.

PRE FILTER are used in air conditioning, Air Handling units, pharmaceutical, clean room, semi-conductor, biotechnology, photo film Optical, precision mechanical, critical O.T, defense etc as per pre filter and riser filter.

- . Filter media synthetic non woven
- . Efficiency 90% down to 10u.
- . Thickness available 25 mm /50 mm.



DIXTONAIR Air Distribution Products

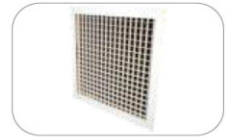
Air distribution & Architectural product refers to rectangular & square ceiling diffusers, linear Grills, Volume Control Devices, Fresh Air Louvers & Fire & Smoke Control Dampers

- . Aluminium powder coated fixed bar linear grills
- . Aluminium powder coated removal core type grills
- . Aluminium powder coated Single louver adjustable grills
- . Aluminium powder coated Double louver adjustable grills
- . Aluminium powder coated rectangular/square Ceiling Diffusers
- . Aluminium powder coated multi slot diffusers (with & without hit & miss Damper)
- . Aluminium powder coated liner diffuser (One/Tway Way)
- . Aluminium powder coated special jointless round diffuser
- . Aluminium powder coated perforated diffuser
- . Aluminium key operated volume control dampers
- . Aluminium powder low leakage (ABS GEAR DRIVE) Volume control damper
- . G.I. duct volume control dampers
- . G.I. smoke & fire control dampers

FINISHES: Most of our products come with powder coated finish with any colour to suit the interiors. Anodized Aluminium finish is also available.

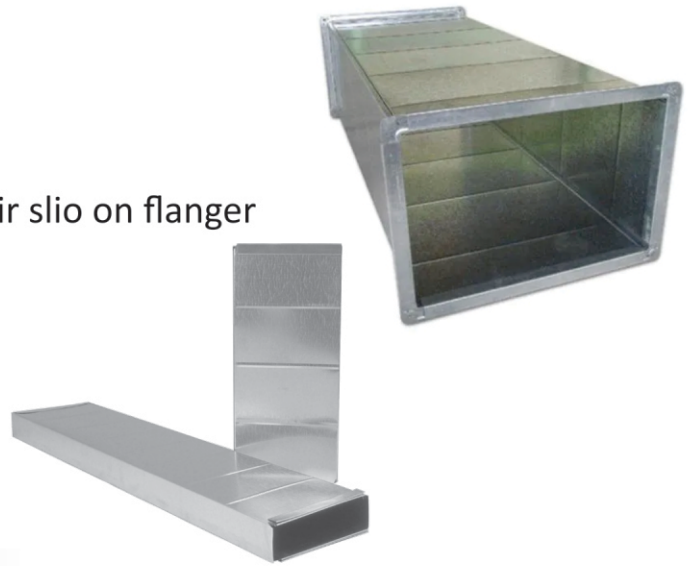
FIXING: The grills & diffusers are produced with concealed screw or spring action clip, fixing arrangement. Exposed screw type fixing can be made on special request.

MATERIAL OF CONSTRUCTION: All our products are made from high grade aluminium, extrusion for maximum strength, corrosion resistance, light weight & dimensional stability.



DIXTONAIR Factory Fabricated Rectangular Duct

- . Size : 250-3000 mm
- . Thickness : 0.4mm-1.5mm (16 Guage)
- . Slip & Drive Systems
- . Flexibility to use suit to site piece with Damair slio on flanger



DIXTONAIR Flat Oval Duct

- . Sizes - 200-1000mm
- . Thickness - upto 1.2mm
- . Static Pressure - upto 50mm wc.
- . Feature - Less leakage & less static pressure.
- . Decrease duct surfce area.
- . Reduces sound level (Noise Pollution)
- . Better, more efficient air flow.
- . Easy to join pieces together.
- . Faster intallation.

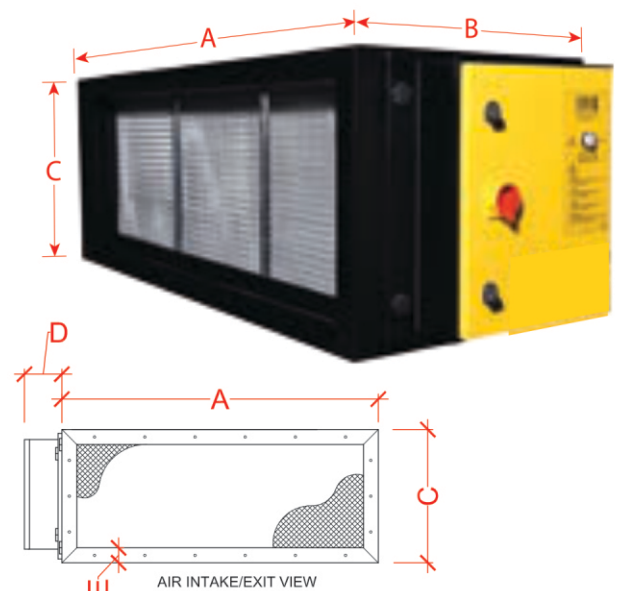


DIXTONAIR Dry Scrubber - DDS

- Air Capacity: up to 10,000 CFM / 50 PA
- Partical Size: 0.01 microns - 10 microns
- MOC / Finishing - 1.6 mm thick galvanized steel / Powder Coated
- Efficiency up to 99%
- Number of Cells / Filters - 1 to 5
- Mounting Ceiling Suspended, Wall or Frame
- Ozone UV Lamps 40 Watt to 90 Watt
- Weight 58kg to 126kg

	A	B	C	D	E
DDS-1	515	620	565	150	60
DDS-2	1015	620	565	150	60
DDS-3	1520	620	565	150	60
DDS-4	2020	620	565	150	60
DDS-5	2520	620	565	150	60

All Dimension are in mm



DIXTONAIR**SELECTION CHART OF CEILING SUSPENDED AIR HANDLING UNITS**

MODEL NO.	CFM	S.P	OUTLET VELOCITY	RPM	FPM	COIL AREA (sq.f.t.)	FILTER AREA (sq.f.t.)	FAN SIZE	MOTOR (kw)	SIZE		
										L	W	H
DI/DU-010	1000	32	8.00	1632	500	2	2	KAT 7X7	0.55	1090	800	555
DI /DU-012	1200	32	7.26	1268	500	2.4	2.4	KAT 9X9	0.55	1140	975	575
DI /DU-015	1500	32	9.07	1173	500	3	3	KAT 9X9	0.55	1140	975	575
DI /DU-020	2000	32	9.87	1027	500	4	4	KAT 10X10	0.75	1190	1085	630
DI /DU-025	2500	32	7.56	1268	500	5	5	KAT 9X9 C2L	1.10	1140	1250	575
DI /DU-030	3000	32	9.07	1220	500	6	6	KAT 9X9 C2L	1.50	1140	1775	575
DI /DU-035	3500	32	8.64	1059	500	7	7	KAT 10X10 C2L	1.50	1225	1585	665
DI /DU-040	4000	32	9.87	1068	500	8	8	KAT 10X10 C2L	1.50	1190	2075	630
DI /DU-045	4500	32	7.89	965	500	9	9	KAT 12X12 C2L	2.20	1290	1875	710
DI /DU-050	5000	32	8.76	930	500	10	10	KAT 12X12 C2L	2.20	1290	1875	710
DI /DU-060	6000	40	10.52	1030	500	12	12	KAT 12X12 C2L	3.00	1050	2250	730
DI /DU-060	6000	40	10.52	1030	500	12	12	KAT 12X12 C2L	3.00	1050	2250	730
DI /DU-070	7000	40	8.68	902	500	14	14	KAT 15X15 C2L	3.00	2190	1710	1100
DI /DU-075	7500	40	9.30	897	500	15	15	KAT 15X15 C2L	4.00	1700	2150	940
DI /DU-080	8000	40	9.93	896	500	12	12	KAT 12X12 C2L	3.00	1050	2250	730
DI /DU-010U	10000	40	10.52	1030	500	16	16	KAT 15X15 C2L	4.00	1700	2200	940

DIXTONAIR**SELECTION CHART OF HORIZONTAL AIR HANDLING UNITS**

MODEL NO.	CFM	S.P	OUTLET VELOCITY	RPM	FPM	COIL AREA (sq.f.t.)	FILTER AREA (sq.f.t.)	FAN SIZE	MOTOR (kw)	SIZE		
										L	W	H
DI /HAU-010	1000	32	8.00	1632	500	2	2	KAT 7X7	0.55	1525	895	700
DI /HAU-030	3000	32	7.44	780	500	6	6	KAT 15X15	1.10	1800	1150	900
DI /HAU-050	5000	32	8.87	692	500	10	10	KAT 18X18	1.50	1950	1350	1175
DI /HAU-070	7000	40	10.24	692	500	14	14	FDA 450	3.00	2025	1700	1275
DI /HAU-100	10000	40	11.06	666	500	20	20	FDA 500	5.50	2225	2075	1475
DI /HAU-125	12500	40	11.57	584	500	25	25	FDA 560	5.50	2350	2300	1600
DI /HAU-150	15000	40	11.07	525	500	30	30	FDA 630	7.50	2500	2550	1725
DI /HAU-200	20000	40	11.72	465	500	40	40	FDA 710	11.00	2750	2800	2075
DI /HAU-250	25000	40	11.66	399	500	50	50	FDA 800	11.00	3000	3050	2350
DI /HAU-300	30000	40	11.09	356	500	60	60	FDA 900	15.00	3250	3300	2600
DI /HAU-400	40000	40	11.78	324	500	80	80	FDA 1000	18.50	3750	3800	3100
DI /HAU-500	50000	40	14.73	369	500	100	100	FDA 1000	30.00	2500	4000	2400
DI /HAU-650	65000	40	12.02	396	500	130	130	FDA 900X2	18.50X2	2600	4500	2800
DI /HAU-800	80000	40	11.78	357	500	160	160	FDA 1000X2	18.50X2	2800	4700	2900

DIXTONAIR**SELECTION CHART OF VERTICAL AIR HANDLING UNITS**

MODEL NO.	CFM	S.P	OUTLET VELOCITY	RPM	FPM	COIL AREA (sq.f.t.)	FILTER AREA (sq.f.t.)	FAN SIZE	MOTOR (kw)	SIZE		
										L	W	H
DI /VAU-010	1000	32	8.00	1632	500	2	2	KAT 7X7	0.55	625	850	1225
DI /VAU-020	2000	32	9.87	1027	500	4	4	KAT 10X10	0.75	700	1050	1500
DI /VAU-030	3000	32	7.44	780	500	6	6	KAT 9X9 C2L	1.50	650	1555	1350
DI /VAU-040	4000	32	9.93	770	500	8	8	KAT 10X10 C2L	1.50	700	1770	1450
DI /VAU-050	5000	32	8.87	640	500	10	10	KAT 12X12 C2L	2.20	770	1950	1580
DI /VAU-055	5500	40	9.75	718	500	11	11	KAT 12X12 C2L	3.00	770	2050	1625
DI /VAU-060	6000	40	10.64	716	500	12	12	KAT 12X12 C2L	3.00	770	2100	1665
DI /VAU-070	7000	40	10.24	692	500	14	14	KAT 15X15 C2L	3.00	850	2200	1910
DI /VAU-080	8000	40	9.28	654	500	16	16	KAT 15X15 C2L	4.00	860	2250	1910
DI /VAU-090	9000	40	11.17	896	500	18	18	KAT 15X15 C2L	4.00	950	2400	1950
DI /VAU-100	10000	40	8.87	770	500	20	20	KAT 18X18 C2L	5.50	1050	2600	2065
DI /VAU-110	11000	40	9.75	746	500	22	22	KAT 18X18 C2L	5.50	1050	2700	2075
DI /VAU-115	11500	40	10.20	744	500	23	23	KAT 18X18 C2L	5.50	1050	2750	2100
DI /VAU-120	12000	40	10.64	744	500	24	24	KAT 18X18 C2L	5.50	1050	2800	2130

DIXTONAIR**SELECTION CHART OF FAN COIL UNITS**

MODEL NO.	CFM	S.P	OUTLET VELOCITY	RPM	FPM	COIL AREA (sq.f.t.)	FILTER AREA (sq.f.t.)	FAN SIZE	MOTOR (kw)	SIZE		
										L	W	H
DI /FCU-004	400	20	1	940	500	0.88	0.88	6X6 X2	1/12	625	945	265
DI /FCU-006	600	20	1.5	940	500	1.33	1.33	6X7 X2	1/12	620	1145	265
DI /FCU-008	800	20	2	940	500	1.77	1.77	7X7 X2	1/12	635	1220	315
DI /FCU-010	1000	20	2.5	940	500	2.22	2.22	7X8 X2	1/12	635	1220	365
DI /FCU-012	1200	20	3	940	500	2.66	2.66	8X8 X2	1/5	670	1400	365
DI /FCU-012	1200	20	3	1300	500	2.66	2.66	8X7 X2	1/12	670	1400	365

DIXTONAIR SELECTION CHART OF AIR WASHER

MODEL NO.	CFM	SP	OUTLET VELOCITY	RPM	FPM	COOLING PAD	ELEMINATOR	FILTER AREA	FAN SIZE	MOTOR (KW)	PUMP (KW)	SIZES		
						AREA(sq.f.t.)	AREA(sq.f.t.)	(sq.f.t.)				L	W	H
DI /AW-010	1000	40	8.00	1089	500	2	2	2	KAT 7X7	0.55	0.37	1250	728	1035
DI /AW-030	3000	40	10.52	990	500	6	6	2	KAT 12X12	1.55	0.37	1700	1050	1100
DI /AW-050	5000	40	8.87	741	500	10	10	10	KAT 18X18	2.20	0.37	1900	1170	1550
DI /AW-070	7000	50	10.24	775	500	14	14	14	FDA 450	4.00	0.37	2050	1450	1650
DI /AW-100	10000	50	11.60	736	500	20	20	20	FDA 500	5.50	0.37	2165	1700	1800
DI /AW-125	12500	50	11.57	644	500	25	25	25	FDA 560	7.50	0.75	2300	2125	2000
DI /AW-150	15000	50	11.07	580	500	30	30	30	FDA 1250	11.00	0.75	2475	2050	2200
DI /AW-200	20000	50	11.72	513	500	40	40	40	FDA 630	11.00	0.75	2600	2400	2300
DI /AW-250	25000	50	11.66	445	500	50	50	50	FDA 710	18.50	0.75	2800	2700	2350
DI /AW-300	30000	50	14.00	452	500	60	60	60	FDA 800	18.50	1.50	3200	3250	2600
DI /AW-400	40000	50	11.78	357	500	80	80	80	FDA 800	18.50	2.25	2850	4400	2600
DI /AW-500	50000	50	14.73	369	500	100	100	100	FDA 1000	30.00	2.25	2850	4850	2600
DI /AW-650	65000	65	13.22	323	500	130	130	130	FDA 1250	45.00	3.00	2850	5000	2600
DI /AW-800	80000	65	16.27	330	500	160	160	160	FDA 1250	55.00	3.00	3150	7500	2600

DIXTONAIR SELECTION CHART OF AIR SCRUBBER

MODEL NO.	CFM	SP	OUTLET VELOCITY	RPM	FPM	ELEMINATOR	FAN SIZE	MOTOR (KW)	PUMP (KW)	L	SIZES	
						AREA(sq.f.t.)					W	H
DI /AS-010	1000	40	8.00	1089	500	2	KAT 7X7	0.55	0.37	2000	728	810
DI /AS-030	3000	40	10.52	990	500	6	KAT 12X12	1.55	0.37	2200	850	990
DI /AS-050	5000	40	8.87	741	500	10	KAT 18X18	2.20	0.37	2600	1120	1220
DI /AS-070	7000	50	10.24	775	500	14	FDA 450	4.00	0.37	2650	1250	1500
DI /AS-125	12500	50	11.57	644	500	25	FDA 560	7.50	0.75	2875	1750	1700
DI /AS-200	20000	50	11.72	513	500	40	FDA 710	11.00	0.75	3250	2400	2050
DI /AS-250	25000	50	11.66	445	500	50	FDA 800	18.50	0.75	3500	2600	2100
DI /AS-300	30000	50	14.00	452	500	60	FDA 800	18.50	1.50	3500	2750	2500
DI /AS-400	40000	50	11.78	357	500	80	FDA 1000	18.50	2.25	3900	3650	2500
DI /AS-500	50000	50	14.73	369	500	100	FDA 1000	30.00	2.25	3900	4000	2500
DI /AS-650	65000	65	13.22	323	500	130	FDA 1250	45.00	3.00	5125	5025	4500
DI /AS-800	80000	65	16.27	330	500	160	FDA 1250	55.00	3.00	5500	5475	5100

DIXTONAIR SELECTION CHART OF FRESH AIR UNIT

MODEL NO.	CFM	SP	OUTLET VELOCITY	RPM	FAN SIZE	MOTOR (KW)	L	SIZES	
								W	H
DI /FA-010	1000	40	8.00	1089	KAT 7X7	0.55	700	520	555
DI /FA-030	3000	40	10.52	990	KAT 12X12	1.50	950	800	710
DI /FA-050	5000	40	8.87	741	KAT 18X18	2.20	1250	1200	1000
DI /FA-100	10000	50	11.60	736	FDA 500	5.50	1350	1500	1600
DI /FA-125	12500	50	11.57	644	FDA 560	5.50	1450	1950	1475
DI /FA-150	15000	50	11.07	580	FDA 630	7.50	1675	2000	1800
DI /FA-200	20000	50	11.72	513	FDA 710	11.00	1775	2000	2100
DI /FA-250	25000	50	11.66	445	FDA 800	11.00	2050	2600	2000
DI /FA-300	30000	50	14.00	452	FDA 800	18.50	2050	3250	2100
DI /FA-400	40000	50	11.78	357	FDA 1000	18.50	2500	3300	2400
DI /FA-500	50000	50	14.73	369	FDA 1000	30.00	2500	4000	2400
DI /FA-650	65000	65	13.22	396	FDA 900X2	18.50X2	2600	4500	2800
DI /FA-800	80000	65	16.27	357	FDA 1000X2	18.50X2	2800	4700	2900

COMPREHENSIVE AIR HANDLING

Products:

Air Handling Unit

TFA (Special Air Treatment Unit)

Fan Coil Unit

Fresh Air & Exhaust Unit

Heating & Cooling Coils

Filters

Air Distribution Products

Factory Fabricated Ducting

***“The
Country
Needs
A
Good
Climate”***

Manufactured by:

DEXTONAIR

Factory : Plot No. 22, Sahupura, Malerna road
Ballabgarh -121001, Haryana, (India)

Marketed in India by:

DEXTONAIR

Office : Plot No.22, Sahupura, Malerna road
Ballabgarh -121004, Haryana, (India)

E-mail : damair2@yahoo.com,

Visit us at : www.damairindia.com

Marketed in Overseas by:

DEXTONAIR

Office: Flat 6, Fine Field Walk, Milsetone
Apartment, Slough, SL 1 2QE,
United Kingdom

Ph. : 0044 7700005500

